



**CITY OF GARDEN GROVE**  
**FIRE DEPARTMENT**

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November 5, 2015

Amada Lagunas  
Fulcrum Resources Environmental

Records Search for 12640 & 12644 Westminster Ave. Garden Grove, CA 92843

Dear Ms. Lagunas:

Enclosed are the records found concerning the history of the above-mentioned site(s), especially as it pertains to fire code violation history, permits, the use, storage, or disposal of hazardous substances, and the installation or removal of underground flammable or combustible liquid storage tanks.

The City of Garden Grove Fire Department has utilized its best efforts to locate the records requested. However, the City makes no representation as to the accuracy of the records or that all records requested were retained or located. The City does not provide records on spills, leaks or clean-up, as that information is provided through the County of Orange Health Dept.

Sincerely,

A handwritten signature in black ink, appearing to read 'Nate Brady', written over a white background.

Nate Brady  
Division Chief/Fire Marshal

Date Archived 04/11/2008

District 2725

Dbas DIRECT CHEMICALS / HOME & BODY CO

Complex

Address

12640

WESTMINSTER

Ave

92843

**Business Information**

Business License No. 175307

Dunn and Bradstreet -

Sic Code- 2819

Fax

E-Mail

Business Owner Name HAZEM HADDAD

Home Phone

Property Use

**Construction Information**

Construction type-

Occupancy group-

Occupancy Load- 0

Building Sq.ft- 0

**Contacts Information**

Property Owner

Building Owner

Contacts

Contact Type - Emergency One

HAZEM HADDAD

Office

Mobile

Contact Type - Emergency Primary

HAZEM HADDAD Position/Title -OWNER

Office

Mobile

Contact Type - Emergency Secondary

NADINE HADDAD Position/Title -OWNER

Office

Office /  
Mobile

Contact Type - Business Owner  
HAZEM HADDAD Position/Title -Business Owner  
Home  
Mobile

12640 WESMINSTER Ave Unit C  
SANTA ANA, CA 92706  
Contact Type - Business Operator  
HAZEM HADDAD Position/Title -Business Operator  
Office

Contact Type - Environmental  
HAZEM HADDAD Position/Title -Environmental Contact  
Office

#### Inspection Information

Archived by VThorpe  
File number 8284  
Inspector- E3 C  
NEW BUSINESS - 3/05

#### Inspection History

05/19/2005 Time 10:06

Employee No. - 6691Name - Valerie Thorpe  
Action Performed - Life Safety Inspection  
Notes - System generated Life Safety inspection printed for - Inspector FPB shift N F  
\*\*\*\*\*

09/08/2005 Time 08:12

Employee No. - 6691Name - Valerie Thorpe  
Action Performed - Inspection Cleared  
Notes - Inspection cleared using Status field on input form- Inspector 2989 Justin Kuhn  
\*\*\*\*\*

10/18/2005 Time 10:23

Employee No. - 6691Name - Valerie Thorpe  
Action Performed - Inspection Cleared  
Notes - Inspection cleared using Status field on input form- Inspector 3303 Sabrina Sol  
\*\*\*\*\*

11/01/2005 Time 07:59

Employee No. - 6691Name - Valerie Thorpe  
Action Performed - Fire code Permit

**Action Performed - Fire code Permit**  
**Notes - Fire Code Permit for a exempt business printed**  
\*\*\*\*\*

**01/10/2006 Time 08:11**  
**Employee No. - 6691Name - Valerie Thorpe**  
**Action Performed - Permit Printed**  
**Notes - Permit Copy Printed**  
\*\*\*\*\*

**11/01/2006 Time 09:22**  
**Employee No. - 6691Name - Valerie Thorpe**  
**Action Performed - Fire code Permit**  
**Notes - Fire Code Permit for a exempt business printed**  
\*\*\*\*\*

**12/05/2006 Time 08:53**  
**Employee No. - 6691Name - Valerie Thorpe**  
**Action Performed - Changed Inspection Date**  
**Notes - Changed to 4/2008**  
\*\*\*\*\*

**11/01/2007 Time 08:31**  
**Employee No. - 6691Name - Valerie Thorpe**  
**Action Performed - Fire code Permit**  
**Notes - Fire Code Permit for a exempt business printed**  
\*\*\*\*\*

**11/01/2007 Time 10:21**  
**Employee No. - 6691Name - Valerie Thorpe**  
**Action Performed - Permit Printed**  
**Notes - Permit Copy Printed**  
\*\*\*\*\*

**03/19/2008 Time 08:12**  
**Employee No. - 6691Name - Valerie Thorpe**  
**Action Performed - Life Safety Inspection**  
**Notes - System generated Life Safety inspection printed for - Inspector E3 shift C En**  
\*\*\*\*\*

**04/11/2008 Time 09:45**  
**Employee No. - 6691Name - Valerie Thorpe**  
**Action Performed - Inspection Cleared**  
**Notes - Inspection cleared- Inspector E3 Engine 3 by Valerie Thorpe**  
\*\*\*\*\*

**Visits**

**08/01/2005**  
**Inspector Id- 2989Name - Justin Kuhns**  
**Insp. Type - Initial Inspection**  
**Category - Life Safety**  
**Comments - New business. Needs extinguishers. Sprinkler system had been serviced 6/19/05.**  
\*\*\*\*\*

**08/15/2005**  
**Inspector Id- 2989Name - Justin Kuhns**  
**Insp. Type -**  
**Category - Life Safety**  
**Comments - receipt for 3 new fire extinguishers.**  
\*\*\*\*\*

**10/18/2005**  
**Inspector Id- INTRN1Name - jim g**  
**Insp. Type - ReInspection**  
**Category - Life Safety**



Comments - Cleared by nazmat. Add Hazmat permit - corrosives.

\*\*\*\*\*

04/09/2008

Inspector Id- E3Name - Engine 3

Insp. Type - Annual Life Safety

Category - Life Safety

Comments - vacant

\*\*\*\*\*

## Violations

08/01/2005

code no - 1002.1

Description - Provide extinguishers.

\*\*\*\*\*

08/04/2004

code no - CFC 1001.5.1

Description - Service and tag Fire Extinguishers.

\*\*\*\*\*

08/04/2005

code no - Title 19 Sec. 567.6

Description - Hang extinguisher(s) 3.5'-5' from floor

\*\*\*\*\*

08/04/2005

code no - 7902.1

Description - Complete Hazardous Materials Disclosure packet - due 9/18/05.

\*\*\*\*\*

## Permits

Permit No- 801031

Permit description- HAZARDOUS MATERIALS - use, handling or storage

\*\*\*\*\*

## EPS Information

Business Operator - HAZEM HADDAD

Phone - 7145806708

Environmental Contact - HAZEM HADDAD

phone - 7145540007

address - 16731 TRUDY LANE, HUNTINGTON BEACH CA 92647

## Chemical Information

Chemical Name - DODECYL - BENZENSULFONIC ACID

Common name - VANWER ACID 98

\*\*\*\*\*

Chemical Name - SODIUM HYDROXIDE

Common name - CAUSTIC SODA

\*\*\*\*\*

Chemical Name - ISOMOPYL ALCOHOL

Common name - ISOMOPANOL

\*\*\*\*\*

Chemical Name - POTASSIUM HYDROXIDE SOLUTION

Common name - CAUSTIC POTASH 45%

\*\*\*\*\*

\*\*\*\*\*

**Tank Information**

**Tank Owner Name -  
Phone -  
Address-**

**Disclosure Local Information**

**Date Disclosure was verified 00/00/00  
Disclosure letter verified by  
Date Inquiry letter Sent 00/00/00  
Date New Business Packet Sent 00/00/00  
Date New Business Packet Received 00/00/00  
Date Year end packet sent 00/00/00  
Date Year end packet Received 00/00/00  
Date Year end Packet Approved 00/00/00  
Citation Date 00/00/00  
City Attorney Letter sent Date 00/00/00  
Date BEP sent 00/00/00  
Date BEP Submitted 00/00/00  
Date BEP Corrected 00/00/00  
Date BEP Approved 00/00/00  
Business was not in the Cal Arp program  
Number of Employee  
Local ID Number**

**Invoices**

**External Invoices**

**Notes**



# CITY OF GARDEN GROVE FIRE DEPARTMENT

11301 Acacia Parkway, Garden Grove, CA 92842 (714) 741-5600 (714) 741-5636

FORM 1

## Hazardous Materials Business Information Form

Page \_\_\_ of \_\_\_ 3

### BUSINESS INFORMATION

FACILITY # (Supplied by GGFD)	3 0 0 3 5	BEGINNING DATE	9/15/05	1	ENDING DATE	12/31/05	2
BUSINESS NAME	HOME and Body CO: Direct chemical (DBA)			4	BUSINESS PHONE	(714) 554-0007	
BUSINESS SITE ADDRESS	12640 Westminister Ave UNIT C						
CITY	GARDEN GROVE			7	STATE	CA	8
DUN & BRADSTREET	10	SIC CODE (4 DIGIT #)	11	FIRE DISTRICT	92843		
COUNTY	ORANGE						
BUSINESS OPERATOR NAME	HAZEM HADDAD			14	OPERATOR'S PHONE	(714) 580-6708	

### BUSINESS OWNER

OWNER NAME	HAZEM HADDAD			16	OWNER PHONE	17	
OWNER MAILING ADDRESS	18						
CITY	19	STATE	20	ZIP	21		

### ENVIRONMENTAL CONTACT

CONTACT NAME	HAZEM HADDAD			22	CONTACT PHONE	(714) 554-0007	
CON	24						
CITY	25	STATE	26	ZIP	27		

### PRIMARY EMERGENCY CONTACTS SECONDARY

NAME	HAZEM HADDAD	28	NAME	NADINE HADDAD	33
TITLE	owner	29	TITLE	owner	34
BUSINESS PHONE	(714) 554-0007	30	BUSINESS PHONE	(714) 554-0007	35
24-HR. PHON		31	24-HR. PHONE		36
PAGER #		32	PAGER #		37

### ADDITIONAL LOCALLY COLLECTED INFORMATION

DESCRIBE THE TYPE OF BUSINESS OPERATION:	Manufacture of Personnel care and some industrial cleaning	Product	38	TOTAL # OF EMPLOYEES	7	39	
BILLING ADDRESS (IF DIFFERENT FROM ABOVE)	same as above			40	ATTENTION	Nadine	
PROPERTY OWNER NAME	SPEERY Van Ness	42	ADDRESS	17305	43	PHONE	44
<b>Certification:</b> Based on my inquiry of those individuals responsible for obtaining the information, I certify under penalty of law that I have personally examined and am familiar with the information submitted and believe the information is true, accurate, and complete.							
SIGNATURE OF OWNER/OPERATOR OR DESIGNATED REPRESENTATIVE	Nadine Haddad			45	DATE	9/15/05	
NAME OF SIGNER (print)	NADINE HADDAD			47	NAME OF DOCUMENT PREPARER (print)	NADINE HADDAD	
TITLE OF SIGNER	OWNER			48	TITLE OF DOCUMENT PREPARER	OWNER	



005 06/04/04 CAUSTIC POTASH LIQUID (ALL GRADES)

\*\*\*\*\*

## PRODUCT IDENTIFICATION

\*\*\*\*\*

PRODUCT NAME: CAUSTIC POTASH LIQUID (ALL GRADES)

MSDS#: OZ31866

DATE ISSUED: 05/14/2004

SUPERSEDES: 05/22/2003

ISSUED BY: 008730

## MATERIAL SAFETY DATA SHEET

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

## Distributed by:

Univar USA Inc.  
6100 Carillon Point  
Kirkland, WA 98033  
425-889-3400

SUBSTANCE: CAUSTIC POTASH LIQUID (ALL GRADES)

## TRADE NAMES:

Caustic Potash Commercial Grade 10%, 25%, 30%, 40%, 45%, 48%, 50%;  
Caustic Potash Low Sodium 45%, 47%, 47.5%, 50%; Caustic Potash Membrane  
Dilute Solution 45%, 48%, 50%; 50% Caustic Potash WC; Caustic Potash Liquid  
(10-40% Solution)

## SYNONYMS:

KOH, liquid potash

PRODUCT USE: glass manufacture, cleaner, process chemical, petroleum industry  
REVISION DATE: May 14 2004

## 2. COMPOSITION, INFORMATION ON INGREDIENTS

## COMPONENT: WATER

CAS NUMBER: 7732-18-5

PERCENTAGE: 49-90

## COMPONENT: POTASSIUM HYDROXIDE

CAS NUMBER: 1310-58-3

PERCENTAGE: 10-51

## 3. HAZARDS IDENTIFICATION

NFPA RATINGS (SCALE 0-4): HEALTH=3 FIRE=0 REACTIVITY=1

HMIS RATINGS (SCALE 0-4): HEALTH=3 FLAMMABILITY=0 REACTIVITY=1

## EMERGENCY OVERVIEW:

COLOR: colorless

PHYSICAL FORM: liquid

ODOR: odorless

MAJOR HEALTH HAZARDS: MAY CAUSE BURNS TO THE RESPIRATORY TRACT, SKIN, EYES  
AND GASTROINTESTINAL TRACT. MAY CAUSE PERMANENT EYE DAMAGE.

## POTENTIAL HEALTH EFFECTS:

## INHALATION:

SHORT TERM EXPOSURE: irritation (possibly severe), chemical burns, pulmonary

**edema**

LONG TERM EXPOSURE: to our knowledge, no effects are known

**SKIN CONTACT:**

SHORT TERM EXPOSURE: irritation (possibly severe), chemical burns

LONG TERM EXPOSURE: dermatitis

**EYE CONTACT:**

SHORT TERM EXPOSURE: irritation (possibly severe), chemical burns, eye damage, blindness

LONG TERM EXPOSURE: visual disturbances

**INGESTION:**

SHORT TERM EXPOSURE: irritation (possibly severe), chemical burns, nausea, vomiting

LONG TERM EXPOSURE: to our knowledge, no effects are known

**CARCINOGEN STATUS:**

OSHA: No

NTP: No

IARC: No

**INHALATION:**

If adverse effects occur, remove to uncontaminated area. Give artificial respiration if not breathing. If breathing is difficult, oxygen should be administered by qualified personnel. If respiration or pulse has stopped, have a trained person administer Basic Life Support (Cardio-Pulmonary Resuscitation/Automatic External Defibrillator) and CALL FOR EMERGENCY SERVICES IMMEDIATELY.

**SKIN CONTACT:**

Immediately flush contaminated areas with water. Remove contaminated clothing, jewelry and shoes immediately. Wash contaminated areas with soap and water. Thoroughly clean and dry contaminate(clothing before reuse. Discard contaminated leather goods. GET MEDICAL ATTENTION IMMEDIATELY.

**EYE CONTACT:**

Immediately flush eyes with a directed stream of water for at least 15 minutes, forcibly holding eyelids apart to ensure complete irrigation of all eye and lid tissues. Washing eyes within several seconds is essential to achieve maximum effectiveness. GET MEDICAL ATTENTION IMMEDIATELY.

**INGESTION:**

Never give anything by mouth to an unconscious or convulsive person. If swallowed, do not induce vomiting. Give large amounts of water. If vomiting occurs spontaneously, keep airway clear. Give more water when vomiting stops. GET MEDICAL ATTENTION IMMEDIATELY.

**NOTE TO PHYSICIAN:**

The absence of visible signs or symptoms of burns does NOT reliably exclude the presence of actual tissue damage.

**FIRE AND EXPLOSION HAZARDS:**

Negligible fire hazard.

**EXTINGUISHING MEDIA:**

Use extinguishing agents appropriate for surrounding fire.

**FIRE FIGHTING:**

Move container from fire area if it can be done without risk. Cool containers with water.

**SENSITIVITY TO MECHANICAL IMPACT:**

Not sensitive

**SENSITIVITY TO STATIC DISCHARGE:**

Not sensitive

FLASH POINT:  
not flammable

OCCUPATIONAL RELEASE:

Shovel dry material into suitable container. Liquid material may be removed with a vacuum truck. Flush spill area with water, if appropriate. Keep out of water supplies and sewers. This material is alkaline and may raise the pH of surface waters with low buffering capacity. Releases should be reported, if required, to appropriate agencies. Notify Local Emergency Planning Committee and State Emergency Response Commission for release greater than or equal to RQ (U.S. SARA Section 304). If release occurs in the U.S. and is reportable under CERCLA Section 103, notify the National Response Center at (800)424-8802 (USA) or (202)426-2675 (USA).

STORAGE:

Store and handle in accordance with all current regulations and standards. Keep container tightly closed and properly labeled. Do not store in aluminum container or use aluminum fittings or transfer lines, as flammable hydrogen gas may be generated. Keep separated from incompatible substances.

HANDLING:

Avoid breathing vapor or mist. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. When mixing, slowly add to water to minimize heat generation and spattering. Use care when handling hot material.

EXPOSURE LIMITS:

POTASSIUM HYDROXIDE:

2 mg/m<sup>3</sup> OSHA ceiling (vacated by 58 FR 35338, June 30, 1993)  
2 mg/m<sup>3</sup> ACGIH ceiling

VENTILATION:

Provide local exhaust ventilation where dust or mist may be generated. Ensure compliance with applicable exposure limits.

EYE PROTECTION:

Wear chemical safety goggles with a faceshield to protect against skin contact when appropriate. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.

CLOTHING:

Wear chemical resistant clothing and rubber boots when potential for contact with the material exists. Contaminated clothing should be removed, then discarded or laundered.

GLOVES:

Wear appropriate chemical resistant gloves.

PROTECTIVE MATERIAL TYPES:

neoprene, polyvinyl chloride (PVC), Tychem(R) SL

RESPIRATOR:

A NIOSH approved respirator with N95 (dust, fume, mist) filters may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits, or when symptoms have been observed that are indicative of overexposure. A half facepiece air-purifying respirator may be used in concentrations up to 1 OX the acceptable exposure level and a full facepiece air-purifying respirator may be used in concentrations up to 50X the acceptable exposure level.

Supplied air should be used when the level is expected to be above 50X the acceptable level, or when there is a potential for uncontrolled release.

A respiratory protection program that meets 29 CFR 1910.134 must be followed whenever workplace conditions warrant use of a respirator.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: liquid  
APPEARANCE: clear  
COLOR: colorless  
ODOR: odorless  
BOILING POINT: 216-289 F (102-143 C)  
FREEZING POINT: -128 to 39 F (-89 to 4 C)  
VAPOR PRESSURE: Not available  
VAPOR DENSITY: Not available  
SPECIFIC GRAVITY (water=1): 1.09-1.52 @ 15.6 C  
DENSITY: 9.09-12.67 lbs/gal @ 15.6 C  
WATER SOLUBILITY: 100%  
PH: 12-14  
VOLATILITY: Not available  
ODOR THRESHOLD: Not available  
EVAPORATION RATE: Not available  
COEFFICIENT OF WATER/OIL DISTRIBUTION: Not available

## 10. STABILITY AND REACTIVITY

REACTIVITY:  
Stable at normal temperatures and pressure.

CONDITIONS TO AVOID:  
Carbon monoxide gas may form upon contact with reducing sugars, food and beverage products in enclosed spaces.

INCOMPATIBILITIES:  
acids, halogenated compounds, prolonged contact with aluminum, brass, bronze, copper, lead, tin, zinc or other alkali sensitive metals or alloys

HAZARDOUS DECOMPOSITION:  
Thermal decomposition products: None known.

POLYMERIZATION:  
Will not polymerize.

## 11. TOXICOLOGICAL INFORMATION

CAUSTIC POTASH LIQUID (ALL GRADES):  
TOXICITY DATA: Potassium hydroxide: 365 mg/kg oral-rat LD50. The severity of the tissue damage is a function of its concentration, the length of tissue contact time, and local tissue conditions. After exposure there may be a time delay before irritation and other effects occur. This material is a strong irritant and is corrosive to the skin, eyes, and mucous membranes. This material may cause severe burns and permanent damage to any tissue with which it comes into contact. Inhalation will cause severe irritation, possible burns with pulmonary edema, which may lead to pneumonitis. Skin contact with this material may cause severe irritation and corrosion of tissue. Eye contact can cause severe irritation, corrosion with possible corneal damage and blindness. Ingestion may cause irritation, corrosion/ulceration, nausea, and vomiting. In general, chronic effects are due to long-term irritation. This material may cause dermatitis on the skin, or recurrent corneal ulceration and visual disturbances. In rare cases reports have noted long-term inhalation causes bronchial inflammatory reaction or obstructive airway dysfunction.

## 12. ECOTOXICITY DATA:

FISH TOXICITY:  
This material has exhibited moderate toxicity to aquatic organisms.

FATE AND TRANSPORT:  
BIODEGRADATION:  
This material is inorganic and not subject to biodegradation.



**PERSISTENCE:**

This material is believed to persist in the environment.

**BIOCONCENTRATION:**

This material is believed not to bioaccumulate.

**OTHER ECOLOGICAL INFORMATION:**

This material has exhibited slight toxicity to terrestrial organisms.

**13. DISPOSAL CONSIDERATIONS**

Reuse or reprocess if possible. Dispose in accordance with all applicable regulations. Subject to disposal regulations: U.S. EPA 40 CFR 262. Hazardous Waste Number(s): D002.

**14. TRANSPORT INFORMATION**

U.S. DOT 49 CFR 172.101:  
PROPER SHIPPING NAME: Potassium hydroxide, solution  
ID NUMBER: UN 1814  
HAZARD CLASS OR DIVISION: 8  
PACKING GROUP: II  
LABELING REQUIREMENTS: 8  
DOT HAZARDOUS SUBSTANCE(S):  
Potassium hydroxide 1000 lb(s) (454 kg(s))

CANADIAN TRANSPORTATION OF DANGEROUS GOODS:  
SHIPPING NAME: Potassium hydroxide, solution  
UN NUMBER. UN 1814  
PACKING GROUP/RISK GROUP: II

**15. REGULATORY INFORMATION**

U.S. REGULATIONS:  
CERCLA SECTIONS 102a/103 HAZARDOUS SUBSTANCES (40 CFR 302.4):  
POTASSIUM HYDROXIDE: 1000 LBS RQ

SARA TITLE III SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355.30): Not regulated.

SARA TITLE III SARA SECTIONS 311/312 HAZARDOUS CATEGORIES (40 CFR 370.21):

ACUTE: Yes  
CHRONIC: No  
FIRE: No  
REACTIVE: No  
SUDDEN RELEASE: No

SARA TITLE III SECTION 313 (40 CFR 372.65): Not regulated.  
OSHA PROCESS SAFETY (29CFR1910.119): Not regulated.

**STATE REGULATIONS:**

California Proposition 65: This product may contain contaminants known to the State of California to cause cancer or reproductive toxicity as listed under Proposition 65 State Drinking Water and Toxic Enforcement Act.  
For additional information, contact Customer Service.

**NEW JERSEY WORKER AND COMMUNITY RIGHT TO KNOW:**

REPORTING REQUIREMENT:  
WATER 7732-18-5 49-90%  
POTASSIUM HYDROXIDE 1310-58-3 10-51%

**RIGHT TO KNOW HAZARDOUS SUBSTANCE LIST:**

POTASSIUM HYDROXIDE 1310-58-3 10-51%

**SPECIAL HEALTH HAZARD SUBSTANCE LIST:**

POTASSIUM HYDROXIDE 1310-58-3 10-51%

PENNSYLVANIA RIGHT TO KNOW:

REPORTING REQUIREMENT:

WATER 7732-18-5 49-90%

POTASSIUM HYDROXIDE 1310-58-3 10-51%

HAZARDOUS SUBSTANCE LIST:

POTASSIUM HYDROXIDE 1310-58-3 10-51%

ENVIRONMENTAL HAZARDOUS SUBSTANCE LIST:

POTASSIUM HYDROXIDE 1310-58-3 10-51%

SPECIAL HAZARDOUS SUBSTANCE LIST:

Not regulated.

CANADIAN REGULATIONS:

CONTROLLED PRODUCTS REGULATIONS (CPR):

This product has been classified in accordance with the criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

WEMIS CLASSIFICATION: D1B, E.

NATIONAL INVENTORY STATUS:

U.S. INVENTORY (TSCA): All the components of this substance are listed on or are exempt from the inventory.

TSCA 12(b) EXPORT NOTIFICATION: Not listed.

CANADA INVENTORY (DSL/NDSL): All components of this product are listed on the DSL.MSDS SUMMARY OF CHANGES

16. OTHER INFORMATION

MSDS SUMMARY OF CHANGES

3. HAZARDS IDENTIFICATION

15. REGULATORY INFORMATION

----- FOR ADDITIONAL INFORMATION -----

CONTACT: MSDS COORDINATOR UNIVAR USA INC.  
DURING BUSINESS HOURS, PACIFIC TIME (425) 889-3400

----- NOTICE -----

\*\*\*\*\* UNIVAR USA INC ("UNIVAR") EXPRESSLY DISCLAIMS

ALL EXPRESS OR IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A

PARTICULAR PURPOSE, WITH RESPECT TO THE PRODUCT OR INFORMATION PROVIDED HEREIN,

AND SHALL UNDER NO CIRCUMSTANCES BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.\*\*

-----  
DO NOT USE INGREDIENT INFORMATION AND/OR INGREDIENT PERCENTAGES IN THIS MSDS AS A PRODUCT SPECIFICATION. FOR PRODUCT SPECIFICATION INFORMATION REFER TO A PRODUCT SPECIFICATION SHEET AND/OR A CERTIFICATE OF ANALYSIS. THESE CAN BE OBTAINED FROM YOUR LOCAL UNIVAR SALES OFFICE.

ALL INFORMATION APPEARING HEREIN IS BASED UPON DATA OBTAINED FROM THE MANUFACTURER AND/OR RECOGNIZED TECHNICAL SOURCES. WHILE THE INFORMATION IS



# HAZARDOUS MATERIALS INVENTORY FORM

FORM 3

ADD

DELETE

REVISED 1

Page      of      2

FACILITY ID# 30035 BUSINESS NAME Home + Body Co

## I. FACILITY INFORMATION

CHEMICAL LOCATION warehouse

CONFIDENTIAL LOCATION EPCRA  Yes  No 5 MAP # 6 GRID # 7

## II. CHEMICAL INFORMATION

CHEMICAL NAME Isomopyl Alcohol WASTE  Yes 8 TRADE SECRET  Yes  No 11  
\* If EPCRA see instructions

COMMON NAME Isomopanol 9 An EHS Chemical  Yes  No 12  
\* If EHS is 'Yes', all amounts must be LBS

CAS # 67-63-0 10 FIRE CODE HAZARD CLASSES (supplied by GGFD) 13

TYPE (Check one item only)  a. PURE  b. MIXTURE  c. WASTE 14 RADIOACTIVE  Yes  No 15 CURIES 16

PHYSICAL STATE (Check one item only)  a. SOLID  b. LIQUID  c. GAS 17 FED HAZARD CATEGORIES  a. FIRE  b. REACTIVE  c. PRESSURE RELEASE 18  
 d. ACUTE HEALTH  e. CHRONIC HEALTH

AVERAGE DAILY AMOUNT 15 19 MAXIMUM DAILY AMOUNT 55 20 ANNUAL WASTE AMOUNT 0 21 STATE WASTE CODE N/A 22

UNITS  a. GALLONS  b. CUBIC FEET 23 DAYS ON SITE 150 24 LARGEST CONTAINER 55 25  
 c. POUNDS  d. TONS  
\* If EHS, amount must be in pounds.

STORAGE CONTAINER (Check all that apply)  a. ABOVEGROUND TANK  e. PLASTIC DRUM  i. VAT  m. CYLINDER  q. TANK WAGON 26  
 b. UNDERGROUND TANK  f. NONMETALLIC DRUM  j. FIBER DRUM  n. GLASS CONTAINER  r. RAIL CAR  
 c. TANK INSIDE BLDG  g. METAL CONTAINER  k. BAG(S)  o. PLASTIC CONTAINER  s. TOTE BIN  
 d. STEEL DRUM  h. CARBOY  l. BOX(S)  p. IN MACH OR EQUIP  t. OTHER

STORAGE PRESSURE  a. AMBIENT  b. ABOVE AMBIENT  c. BELOW AMBIENT 27

STORAGE TEMPERATURE  a. AMBIENT  b. ABOVE AMBIENT  c. BELOW AMBIENT  d. CRYOGENIC 28

%WT	HAZARDOUS COMPONENT (For mixture or waste only)	EHS	CAS #
100	Isomopyl Alcohol	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	67-63-0
29		<input type="checkbox"/> Yes <input type="checkbox"/> No	
29		<input type="checkbox"/> Yes <input type="checkbox"/> No	
29		<input type="checkbox"/> Yes <input type="checkbox"/> No	
29		<input type="checkbox"/> Yes <input type="checkbox"/> No	
29		<input type="checkbox"/> Yes <input type="checkbox"/> No	

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

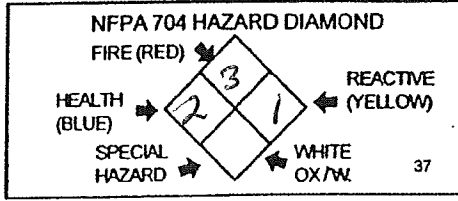
## PLACARDING INFORMATION

UNDOT # UN 1993 33  
Refer to shipping papers or MSDS

DOT HAZARD CLASS class 3 34  
Refer to shipping papers or MSDS

EPCRA  YES  NO 35

X      36  
If EPCRA, Please Sign Here



MAKE AS MANY COPIES OF CHEMICAL INVENTORY FORM AS NEEDED

006 11/05/03 ISOPROPYL ALCOHOL / ISOPROPANOL

\*\*\*\*\*

PRODUCT IDENTIFICATION

\*\*\*\*\*

PRODUCT NAME: ISOPROPYL ALCOHOL / ISOPROPANOL
MSDS NUMBER: EZ060041
DATE ISSUED: 10/20/03
SUPERCEDES: 10/16/02
ISSUED BY: 009292

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name Isopropanol
Distributed by: Univar USA Inc.
6100 Carillon Point
Kirkland, WA 98033
425-889-3400
Chemical Name 2-propanol
Synonym(s) 900212
Molecular Formula C3H8O
Molecular Weight 60.09
Product Use solvent
OSHA Status hazardous

For emergency transportation information, call CHEMTREC at 800-424-9300

2. COMPOSITION INFORMATION ON INGREDIENTS

(Typical composition is given, and it may vary. A certificate of analysis can be provided, if available.)

Table with 3 columns: Weight %, Component, CAS Registry No.
100% isopropyl alcohol 67-63-0

3. HAZARDS IDENTIFICATION

WARNING!
FLAMMABLE LIQUID AND VAPOR
CAUSES EYE IRRITATION
HIGH VAPOR CONCENTRATIONS MAY CAUSE DROWSINESS AND IRRITATION OF THE EYES OR RESPIRATORY TRACT
PROLONGED OR REPEATED SKIN CONTACT MAY CAUSE DRYING, CRACKING, OR IRRITATION
FORMS EXPLOSIVE PEROXIDES
HMIS(R) Hazard Ratings: Health - 2, Flammability -3, Chemical Reactivity - 1

HMIS rating involves data interpretations that may vary from company to company. They are intended only for rapid, general identification of the magnitude of the specific hazard. To deal adequately with the safe handling of this material, all the information contained in this MSDS must be considered.

4. FIRST-AID MEASURES

Inhalation: Move to fresh air. Treat symptomatically. Get medical attention if symptoms persist.

Eyes:

Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention.

**Skin:**

Wash with soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing before reuse. Thoroughly clean shoes before reuse.

**Ingestion:**

Seek medical advice.

**5. FIRE FIGHTING MEASURES****Extinguishing Media:**

water spray. dry chemical, carbon dioxide. alcohol foam

**Special Fire-Fighting Procedures:**

Wear self-contained breathing apparatus and protective clothing.

Use water spray to keep fire-exposed containers cool. Water may be ineffective in fighting the fire. Fight fire from a protected location.

**Hazardous Combustion Products:**

carbon dioxide, carbon monoxide

**Unusual Fire and Explosion Hazards:**

Vapors may cause a flash fire or ignite explosively. Vapors may travel considerable distance to a source of ignition and flash back. Prevent buildup of vapors or gases to explosive concentrations. Forms explosive peroxides which may be shock sensitive.

**Sensitivity to Static Discharge:**

Material may accumulate a static charge which could act as an ignition source.

**6. ACCIDENTAL RELEASE MEASURES**

Use personal protective equipment. Eliminate all ignition sources. Absorb spill with vermiculite or other inert material, then place in a container for chemical waste.

**For Large Spills:**

Use water spray to disperse vapors and dilute spill to a nonflammable mixture.

Prevent runoff from entering drains, sewers, or streams.

**7. HANDLING AND STORAGE****Personal Precautionary Measures:**

Avoid contact with eyes and prolonged or repeated contact with skin. Avoid breathing high vapor concentrations. Use only with adequate ventilation. Wash thoroughly after handling.

**Prevention of Fire and Explosion:**

Keep material from heat, light, sparks and flame. Keep from contact with oxidizing materials. Use only with adequate ventilation. Comply with all national, state, and local codes pertaining to the storage, handling, dispensing, and disposal of flammable liquids. Do not expose to air. After opening, purge container with nitrogen before reclosing. Periodically test for peroxide formation on long-term storage. If peroxide formation is suspected, do not open or move container. Do not allow to evaporate to near dryness. Distill with caution. Addition of water or appropriate reducing materials will lessen peroxide formation.

**Storage:**

Keep container tightly closed and in a well-ventilated place.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Country specific exposure limits have not been established or are not applicable unless listed below.

### ISOPROPYL ALCOHOL

US. NIOSH: Pocket Guide to Chemical Hazards

Recommended exposure limit (REL): 400 ppm, 980 mg/m<sup>3</sup>

US. NIOSH: Pocket Guide to Chemical Hazards

Short Term Exposure Limit (STEL): 500 ppm, 1,225 mg/m<sup>3</sup>

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

PEL: 400 ppm, 980 mg/m<sup>3</sup>

US. ACGIH Notice of Intended Changes (NIC) to Threshold Limit Values

Time Weighted Average (TWA): 200 ppm,

US. ACGIH Notice of Intended Changes (NIC) to Threshold Limit Values

Short Term Exposure Limit (STEL): 400 ppm,

ISOPROPANOL (ISOPROPYL ALCOHOL)

US. ACGIH Notice of Intended Changes (NIC) to Threshold Limit Values

Time Weighted Average (TWA): 200 ppm,

US. ACGIH Notice of Intended Changes (NIC) to Threshold Limit Values

Short Term Exposure Limit (STEL): 400 ppm,

ISOPROPYL ALCOHOL

US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants

Time Weighted Average (TWA) Permissible Exposure Limit (PEL): 400 ppm, 980 mg/m<sup>3</sup>

US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants

Short Term Exposure Limit (STEL): 500 ppm, 1,225 mg/m<sup>3</sup>

ISOPROPANOL

US. ACGIH Threshold Limit Values

Time Weighted Average (TWA): 200 ppm,

US. ACGIH Threshold Limit Values

Short Term Exposure Limit (STEL): 400 ppm,

### Ventilation:

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

### Respiratory Protection:

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. In the United States of America, if respirators are used, a program should be instituted to assure compliance with OSHA Standard 63 FR 1152, January 8, 1998. Respirator type: Air-purifying respirator with an appropriate, government approved (where applicable), air-purifying filter, cartridge or canister. Contact health and safety professional or manufacturer for specific information.

### Eye Protection:

Wear safety glasses with side shields (or goggles). Wear a full-face respirator, if needed.

### Skin Protection:

For operations where prolonged or repeated skin contact may occur, chemical-resistant gloves should be worn. Contact health and safety professional or manufacturer for specific information.

Recommended Decontamination Facilities: eye bath, washing facilities

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Form: liquid  
Color: colorless  
Odor: alcohol  
Odor Threshold: 22 ppm  
Specific Gravity: 0.786 (20 C)  
Vapor Pressure: 20 C; 43.3 mbar  
Vapor Density: 2.1  
Melting Point: -90 C  
Boiling Point: 82 C  
Evaporation Rate: 1.7 (n-butyl acetate = 1 )  
Viscosity: 2.38 mPa.s (20 C) ,  
Solubility in Water: complete  
Octanol/Water Partition Coefficient: P: 1.4; log P: 0.14  
Flash Point: 13 C (Tag closed cup)  
Autoignition Temperature: 432 C (ASTM) D2155)  
Thermal Decomposition Temperature:  
(HPDTA) No exotherm to boiling (at 150 psig)

#### 10. STABILITY AND REACTIVITY

**Stability:**

Stable. Forms explosive peroxides on concentration.

**Incompatibility:**

Material reacts violently with strong oxidizing agents

**Hazardous Polymerization:**

Will not occur.

#### 11. TOXICOLOGICAL INFORMATION

**Skin:**

This material has a low potential to cause allergic skin reactions; however, cases of human skin sensitization have been reported.

Acute toxicity data, if available, are listed below. Additional toxicity data may be available on request.

Oral LD-50: (rat) 5,800 mg/kg  
Oral LD-50: (rabbit) 7,900 mg/kg  
Oral LD-50: (dog) 6,200 mg/kg  
Inhalation LC-50: (rat) 8 h: 12000 ppm  
Dermal LD-50: ( rabbit) 16.4 ml/kg  
Skin Irritation (rabbit) slight  
Eye Irritation (rabbit) moderate

#### 12. ECOLOGICAL INFORMATION

Acute toxicity data, if available, are listed below. Additional toxicity data may be available on request.

**Oxygen Demand Data:**

BOD-5: 1,190 - 1,720 mg/g  
BOD-20: 1,680 mg/g

COD: 2,230 mg/g  
ThBOD: 2,400 mg/g

**Acute Aquatic Effects Data:**

96 h LC-50 (fathead minnow): > 1000 ul/l  
48 h LC-50 (golden orfe): 8970 - 9280 mg/l  
96 h LC-50 (daphnid): > 1000 ul/l

#### 13. DISPOSAL CONSIDERATIONS

Discharge, treatment, or disposal may be subject to national, state, or local laws. Mix with compatible chemical which is less flammable and incinerate. Since emptied containers retain product residue, follow label warnings even after container is emptied. Residual vapors may explode on ignition; do not cut, drill, grind, or weld on or near this container.

#### 14. TRANSPORT INFORMATION

Marine pollutant components: none unless listed below

DOT (USA): Class 3 Packing group II

ICAO Status: Class 3 Packing group II

IMDG Status: Class 3 Packing group II

#### 15. REGULATORY INFORMATION

WEMIS (Canada) Status: controlled

WEMIS (Canada) Hazard Classification: B/2, D/2/B

SARA 311-312 Hazard Classification(s):

immediate (acute) health hazard

fire hazard

SARA 313: none, unless listed below

Carcinogenicity Classification (components present at 0.1% or more): none, unless listed below

TSCA (US Toxic Substances Control Act): This product is listed on the TSCA inventory. Any impurities present in this product are exempt from listing.

DSL (Canadian Domestic Substances List) and CEPA (Canadian Environmental Protection Act): This product is listed on the DSL. Any impurities present in this product are exempt from listing.

EINECS (European Inventory of Existing Commercial Chemical Substances): This product is listed on EINECS.

AICS / NICNAS (Australian Inventory of Chemical Substances and National Industrial Chemicals Notification and Assessment Scheme): This product is listed on AICS or otherwise complies with NICNAS.

MITI (Japanese Handbook of Existing and New Chemical Substances): This product is listed in the Handbook or has been approved in Japan by new substance notification.

ECL (Korean Toxic Substances Control Act): This product is listed on the Korean inventory or otherwise complies with the Korean Toxic Substances Control Act.

#### 16. OTHER INFORMATION

----- FOR ADDITIONAL INFORMATION -----

CONTACT: MSDS COORDINATOR UNIVAR USA INC.  
DURING BUSINESS HOURS, PACIFIC TIME (425) 889-3400

----- NOTICE -----

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\* \* \* E N D O F M S D S \* \* \*



# HAZARDOUS MATERIALS INVENTORY FORM

FORM 3

ADD  DELETE  REVISED 1

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FACILITY ID#	30035	BUSINESS NAME	Home + Body CO
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## I. FACILITY INFORMATION

CHEMICAL LOCATION	warehouse		
CONFIDENTIAL LOCATION EPCRA	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	MAP #	GRID #

## II. CHEMICAL INFORMATION

CHEMICAL NAME	Sodium Hydroxide 50%	WASTE	<input type="checkbox"/> Yes <input type="checkbox"/> No	TRADE SECRET	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
COMMON NAME	caustic soda 50%	An EHS Chemical		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
CAS #	1310-73-2	FIRE CODE HAZARD CLASSES (supplied by GGF D)			
TYPE (Check one item only)	<input type="checkbox"/> a. PURE <input checked="" type="checkbox"/> b. MIXTURE <input type="checkbox"/> c. WASTE	RADIOACTIVE	<input type="checkbox"/> Yes <input type="checkbox"/> No	CURIES	
PHYSICAL STATE (Check one item only)	<input type="checkbox"/> a. SOLID <input checked="" type="checkbox"/> b. LIQUID <input type="checkbox"/> c. GAS	FED HAZARD CATEGORIES		<input type="checkbox"/> a. FIRE <input type="checkbox"/> b. REACTIVE <input type="checkbox"/> c. PRESSURE RELEASE <input type="checkbox"/> d. ACUTE HEALTH <input type="checkbox"/> e. CHRONIC HEALTH	
AVERAGE DAILY AMOUNT	10	MAXIMUM DAILY AMOUNT	55	ANNUAL WASTE AMOUNT	STATE WASTE CODE
UNITS	<input checked="" type="checkbox"/> a. GALLONS <input type="checkbox"/> b. CUBIC FEET <input type="checkbox"/> c. POUNDS <input type="checkbox"/> d. TONS	DAYS ON SITE	150	LARGEST CONTAINER	
STORAGE CONTAINER (Check all that apply)	<input type="checkbox"/> a. ABOVEGROUND TANK <input type="checkbox"/> b. UNDERGROUND TANK <input type="checkbox"/> c. TANK INSIDE BLDG <input type="checkbox"/> d. STEEL DRUM	<input checked="" type="checkbox"/> e. PLASTIC DRUM <input type="checkbox"/> f. NONMETALLIC DRUM <input type="checkbox"/> g. METAL CONTAINER <input type="checkbox"/> h. CARBOY	<input type="checkbox"/> i. VAT <input type="checkbox"/> j. FIBER DRUM <input type="checkbox"/> k. BAG(S) <input type="checkbox"/> l. BOX(S)	<input type="checkbox"/> m. CYLINDER <input type="checkbox"/> n. GLASS CONTAINER <input type="checkbox"/> o. PLASTIC CONTAINER <input type="checkbox"/> p. IN MACH OR EQUIP	<input type="checkbox"/> q. TANK WAGON <input type="checkbox"/> r. RAIL CAR <input type="checkbox"/> s. TOTE BIN <input type="checkbox"/> t. OTHER
STORAGE PRESSURE	<input type="checkbox"/> a. AMBIENT <input type="checkbox"/> b. ABOVE AMBIENT <input type="checkbox"/> c. BELOW AMBIENT				
STORAGE TEMPERATURE	<input type="checkbox"/> a. AMBIENT <input type="checkbox"/> b. ABOVE AMBIENT <input type="checkbox"/> c. BELOW AMBIENT <input type="checkbox"/> d. CRYOGENIC				

%WT	HAZARDOUS COMPONENT (For mixture or waste only)	EHS	CAS #
50	Sodium Hydroxide	<input type="checkbox"/> Yes <input type="checkbox"/> No	1310-73-2
29		<input type="checkbox"/> Yes <input type="checkbox"/> No	
29		<input type="checkbox"/> Yes <input type="checkbox"/> No	
29		<input type="checkbox"/> Yes <input type="checkbox"/> No	
29		<input type="checkbox"/> Yes <input type="checkbox"/> No	
29		<input type="checkbox"/> Yes <input type="checkbox"/> No	

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

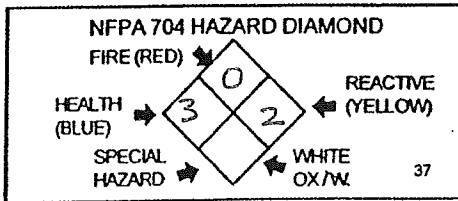
## PLACARDING INFORMATION

UNDOT # VN1823 33  
 Refer to shipping papers or MSDS

DOT HAZARD CLASS Class 8 34  
 Refer to shipping papers or MSDS

EPCRA  YES  NO 35

X \_\_\_\_\_ 36  
 If EPCRA, Please Sign Here



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# HAZARDOUS MATERIALS INVENTORY FORM

FORM 3

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FACILITY ID#	30035	38	BUSINESS NAME	Home + Body CO	3
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## I. FACILITY INFORMATION

CHEMICAL LOCATION	warehouse					4	
CONFIDENTIAL LOCATION EPCRA	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	5	MAP #	6	GRID #	7

## II. CHEMICAL INFORMATION

CHEMICAL NAME	Sodium Hydroxide 50%		WASTE	<input type="checkbox"/> Yes	8	TRADE SECRET	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	11	
COMMON NAME	caustic soda 50%		9			An EHS Chemical	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	12	
CAS #	1310-73-2	10	FIRE CODE HAZARD CLASSES (supplied by GGFD)							13

TYPE (Check one item only)	<input type="checkbox"/> a. PURE	<input checked="" type="checkbox"/> b. MIXTURE	<input type="checkbox"/> c. WASTE	14	RADIOACTIVE	<input type="checkbox"/> Yes	<input type="checkbox"/> No	15	CURIES	16
PHYSICAL STATE (Check one item only)	<input type="checkbox"/> a. SOLID	<input checked="" type="checkbox"/> b. LIQUID	<input type="checkbox"/> c. GAS	17	FED HAZARD CATEGORIES	<input type="checkbox"/> a. FIRE	<input type="checkbox"/> b. REACTIVE	<input type="checkbox"/> c. PRESSURE RELEASE	18	
						<input type="checkbox"/> d. ACUTE HEALTH	<input type="checkbox"/> e. CHRONIC HEALTH			

AVERAGE DAILY AMOUNT	10	19	MAXIMUM DAILY AMOUNT	55	20	ANNUAL WASTE AMOUNT	21	STATE WASTE CODE	22
UNITS	<input checked="" type="checkbox"/> a. GALLONS	<input type="checkbox"/> b. CUBIC FEET	23	DAYS ON SITE	150	24	LARGEST CONTAINER	55	25
		<input type="checkbox"/> c. POUNDS	<input type="checkbox"/> d. TONS	*If EHS, amount must be in pounds.					

STORAGE CONTAINER (Check all that apply)	<input type="checkbox"/> a. ABOVEGROUND TANK	<input checked="" type="checkbox"/> e. PLASTIC DRUM	<input type="checkbox"/> i. VAT	<input type="checkbox"/> m. CYLINDER	<input type="checkbox"/> q. TANK WAGON	26
	<input type="checkbox"/> b. UNDERGROUND TANK	<input type="checkbox"/> f. NONMETALLIC DRUM	<input type="checkbox"/> l. FIBER DRUM	<input type="checkbox"/> n. GLASS CONTAINER	<input type="checkbox"/> r. RAIL CAR	
	<input type="checkbox"/> c. TANK INSIDE BLDG	<input type="checkbox"/> g. METAL CONTAINER	<input type="checkbox"/> j. BAG(S)	<input type="checkbox"/> o. PLASTIC CONTAINER	<input type="checkbox"/> s. TOTE BIN	
	<input type="checkbox"/> d. STEEL DRUM	<input type="checkbox"/> h. CARBOY	<input type="checkbox"/> k. BOX(S)	<input type="checkbox"/> p. IN MACH OR EQUIP	<input type="checkbox"/> t. OTHER	

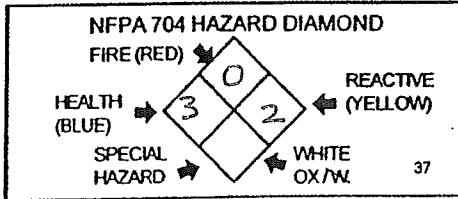
STORAGE PRESSURE	<input type="checkbox"/> a. AMBIENT	<input type="checkbox"/> b. ABOVE AMBIENT	<input type="checkbox"/> c. BELOW AMBIENT	27	
STORAGE TEMPERATURE	<input type="checkbox"/> a. AMBIENT	<input type="checkbox"/> b. ABOVE AMBIENT	<input type="checkbox"/> c. BELOW AMBIENT	<input type="checkbox"/> d. CRYOGENIC	28

%WT	HAZARDOUS COMPONENT (For mixture or waste only)	EHS	CAS #
50	Sodium Hydroxide	<input type="checkbox"/> Yes <input type="checkbox"/> No	1310-73-2
29		<input type="checkbox"/> Yes <input type="checkbox"/> No	
29		<input type="checkbox"/> Yes <input type="checkbox"/> No	
29		<input type="checkbox"/> Yes <input type="checkbox"/> No	
29		<input type="checkbox"/> Yes <input type="checkbox"/> No	
29		<input type="checkbox"/> Yes <input type="checkbox"/> No	

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

## PLACARDING INFORMATION

UNDOT #	VN1823	33
Refer to shipping papers or MSDS		
DOT HAZARD CLASS	Class 8	34
Refer to shipping papers or MSDS		
EPCRA	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	35
X		36
If EPCRA, Please Sign Here		



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# HAZARDOUS MATERIALS INVENTORY FORM

FORM 3

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FACILITY ID#	3 0 0 3 5	BUSINESS NAME	Home + Body CO
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## I. FACILITY INFORMATION

CHEMICAL LOCATION	Ware house		
CONFIDENTIAL LOCATION EPCRA	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	MAP #	GRID #

## II. CHEMICAL INFORMATION

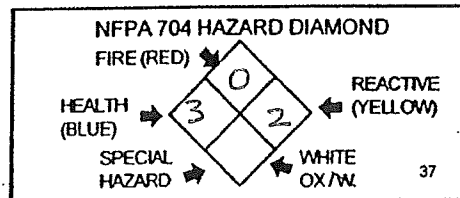
CHEMICAL NAME	Sodium Hydroxide 50%	WASTE	<input type="checkbox"/> Yes	TRADE SECRET	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
COMMON NAME	Caustic soda 50%	* If EPCRA see instructions		An EHS Chemical	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
CAS #	1310-73-2	FIRE CODE HAZARD CLASSES (supplied by GGFDD)		* If EHS is "Yes", all amounts must be LBS	
TYPE (Check one item only)	<input type="checkbox"/> a. PURE <input checked="" type="checkbox"/> b. MIXTURE <input type="checkbox"/> c. WASTE	RADIOACTIVE	<input type="checkbox"/> Yes <input type="checkbox"/> No	CURIES	
PHYSICAL STATE (Check one item only)	<input type="checkbox"/> a. SOLID <input checked="" type="checkbox"/> b. LIQUID <input type="checkbox"/> c. GAS	FED HAZARD CATEGORIES	<input type="checkbox"/> a. FIRE <input type="checkbox"/> b. REACTIVE <input type="checkbox"/> c. PRESSURE RELEASE <input type="checkbox"/> d. ACUTE HEALTH <input type="checkbox"/> e. CHRONIC HEALTH		
AVERAGE DAILY AMOUNT	10	MAXIMUM DAILY AMOUNT	55	ANNUAL WASTE AMOUNT	STATE WASTE CODE
UNITS	<input checked="" type="checkbox"/> a. GALLONS <input type="checkbox"/> b. CUBIC FEET <input type="checkbox"/> c. POUNDS <input type="checkbox"/> d. TONS	DAYS ON SITE	150	LARGEST CONTAINER	
STORAGE CONTAINER (Check all that apply)	<input type="checkbox"/> a. ABOVEGROUND TANK <input type="checkbox"/> b. UNDERGROUND TANK <input type="checkbox"/> c. TANK INSIDE BLDG <input type="checkbox"/> d. STEEL DRUM	<input checked="" type="checkbox"/> e. PLASTIC DRUM <input type="checkbox"/> f. NONMETALLIC DRUM <input type="checkbox"/> g. METAL CONTAINER <input type="checkbox"/> h. CARBOY	<input type="checkbox"/> i. VAT <input type="checkbox"/> j. FIBER DRUM <input type="checkbox"/> k. BAG(S) <input type="checkbox"/> l. BOX(S)	<input type="checkbox"/> m. CYLINDER <input type="checkbox"/> n. GLASS CONTAINER <input type="checkbox"/> o. PLASTIC CONTAINER <input type="checkbox"/> p. IN MACH OR EQUIP	<input type="checkbox"/> q. TANK WAGON <input type="checkbox"/> r. RAIL CAR <input type="checkbox"/> s. TOTE BIN <input type="checkbox"/> t. OTHER
STORAGE PRESSURE	<input type="checkbox"/> a. AMBIENT <input type="checkbox"/> b. ABOVE AMBIENT <input type="checkbox"/> c. BELOW AMBIENT				
STORAGE TEMPERATURE	<input type="checkbox"/> a. AMBIENT <input type="checkbox"/> b. ABOVE AMBIENT <input type="checkbox"/> c. BELOW AMBIENT <input type="checkbox"/> d. CRYOGENIC				

%WT	HAZARDOUS COMPONENT (For mixture or waste only)	EHS	CAS #
50	Sodium Hydroxide	<input type="checkbox"/> Yes <input type="checkbox"/> No	1310-73-2
29		<input type="checkbox"/> Yes <input type="checkbox"/> No	
29		<input type="checkbox"/> Yes <input type="checkbox"/> No	
29		<input type="checkbox"/> Yes <input type="checkbox"/> No	
29		<input type="checkbox"/> Yes <input type="checkbox"/> No	
29		<input type="checkbox"/> Yes <input type="checkbox"/> No	

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

## PLACARDING INFORMATION

UNDOT #	VN1823	33
DOT HAZARD CLASS	class 8	34
EPCRA	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	35
X	If EPCRA, Please Sign Here	36



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# HAZARDOUS MATERIALS INVENTORY FORM

FORM 3

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FACILITY ID#	3 0 0 3 5	BUSINESS NAME	Home + Body CO
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## I. FACILITY INFORMATION

CHEMICAL LOCATION	warehouse		
CONFIDENTIAL LOCATION EPCRA	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	MAP #	GRID #

## II. CHEMICAL INFORMATION

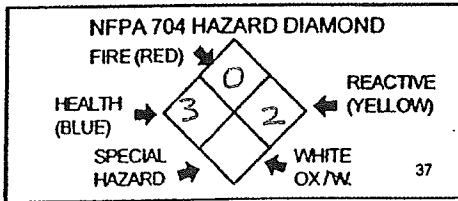
CHEMICAL NAME	Sodium Hydroxide 50%	WASTE	<input type="checkbox"/> Yes	TRADE SECRET	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
COMMON NAME	caustic soda 50%	* If EPCRA see instructions			
CAS #	1310-73-2	FIRE CODE HAZARD CLASSES (supplied by GGFDF)			
TYPE (Check one item only)	<input type="checkbox"/> a. PURE <input checked="" type="checkbox"/> b. MIXTURE <input type="checkbox"/> c. WASTE	RADIOACTIVE	<input type="checkbox"/> Yes <input type="checkbox"/> No	CURIES	
PHYSICAL STATE (Check one item only)	<input type="checkbox"/> a. SOLID <input checked="" type="checkbox"/> b. LIQUID <input type="checkbox"/> c. GAS	FED HAZARD CATEGORIES	<input type="checkbox"/> a. FIRE <input type="checkbox"/> b. REACTIVE <input type="checkbox"/> c. PRESSURE RELEASE <input type="checkbox"/> d. ACUTE HEALTH <input type="checkbox"/> e. CHRONIC HEALTH		
AVERAGE DAILY AMOUNT	10	MAXIMUM DAILY AMOUNT	55	ANNUAL WASTE AMOUNT	STATE WASTE CODE
UNITS	<input checked="" type="checkbox"/> a. GALLONS <input type="checkbox"/> b. CUBIC FEET <input type="checkbox"/> c. POUNDS <input type="checkbox"/> d. TONS	DAYS ON SITE	150	LARGEST CONTAINER	
STORAGE CONTAINER (Check all that apply)	<input type="checkbox"/> a. ABOVEGROUND TANK <input type="checkbox"/> b. UNDERGROUND TANK <input type="checkbox"/> c. TANK INSIDE BLDG <input type="checkbox"/> d. STEEL DRUM	<input checked="" type="checkbox"/> e. PLASTIC DRUM <input type="checkbox"/> f. NONMETALLIC DRUM <input type="checkbox"/> g. METAL CONTAINER <input type="checkbox"/> h. CARBOY	<input type="checkbox"/> i. VAT <input type="checkbox"/> j. FIBER DRUM <input type="checkbox"/> k. BAG(S) <input type="checkbox"/> l. BOX(S)	<input type="checkbox"/> m. CYLINDER <input type="checkbox"/> n. GLASS CONTAINER <input type="checkbox"/> o. PLASTIC CONTAINER <input type="checkbox"/> p. IN MACH OR EQUIP	<input type="checkbox"/> q. TANK WAGON <input type="checkbox"/> r. RAIL CAR <input type="checkbox"/> s. TOTE BIN <input type="checkbox"/> t. OTHER
STORAGE PRESSURE	<input type="checkbox"/> a. AMBIENT <input type="checkbox"/> b. ABOVE AMBIENT <input type="checkbox"/> c. BELOW AMBIENT				
STORAGE TEMPERATURE	<input type="checkbox"/> a. AMBIENT <input type="checkbox"/> b. ABOVE AMBIENT <input type="checkbox"/> c. BELOW AMBIENT <input type="checkbox"/> d. CRYOGENIC				

%WT	HAZARDOUS COMPONENT (For mixture or waste only)	EHS	CAS #
50	Sodium Hydroxide	<input type="checkbox"/> Yes <input type="checkbox"/> No	1310-73-2
29		<input type="checkbox"/> Yes <input type="checkbox"/> No	
29		<input type="checkbox"/> Yes <input type="checkbox"/> No	
29		<input type="checkbox"/> Yes <input type="checkbox"/> No	
29		<input type="checkbox"/> Yes <input type="checkbox"/> No	
29		<input type="checkbox"/> Yes <input type="checkbox"/> No	

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

## PLACARDING INFORMATION

UNDOT #	VN1823	Refer to shipping papers or MSDS
DOT HAZARD CLASS	Class 8	Refer to shipping papers or MSDS
EPCRA	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
X		If EPCRA, Please Sign Here



MAKE AS MANY COPIES OF CHEMICAL INVENTORY FORM AS NEEDED



# HAZARDOUS MATERIALS INVENTORY FORM

FORM 3

ADD  DELETE  REVISED 1

Page \_\_\_ of \_\_\_ 2

FACILITY ID#	3 0 0 3 5	38	BUSINESS NAME	Home + Body CO	3
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## I. FACILITY INFORMATION

CHEMICAL LOCATION	Ware house	4
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CONFIDENTIAL LOCATION EPCRA	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5	MAP #	6	GRID #	7
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## II. CHEMICAL INFORMATION

CHEMICAL NAME	Sodium Hydroxide 50%	8	WASTE	<input type="checkbox"/> Yes	TRADE SECRET	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	11
---------------	----------------------	---	-------	------------------------------	--------------	---	----

COMMON NAME	Caustic soda 50%	9	An EHS Chemical	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	12
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CAS #	1310-73-2	10	FIRE CODE HAZARD CLASSES (supplied by GGFD)	13
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TYPE (Check one item only)	<input type="checkbox"/> a. PURE <input checked="" type="checkbox"/> b. MIXTURE <input type="checkbox"/> c. WASTE	14	RADIOACTIVE	<input type="checkbox"/> Yes <input type="checkbox"/> No	15	CURIES	16
----------------------------	---	----	-------------	--	----	--------	----

PHYSICAL STATE (Check one item only)	<input type="checkbox"/> a. SOLID <input checked="" type="checkbox"/> b. LIQUID <input type="checkbox"/> c. GAS	17	FED HAZARD CATEGORIES	<input type="checkbox"/> a. FIRE <input type="checkbox"/> b. REACTIVE <input type="checkbox"/> c. PRESSURE RELEASE <input type="checkbox"/> d. ACUTE HEALTH <input type="checkbox"/> e. CHRONIC HEALTH	18
--------------------------------------	---	----	-----------------------	--	----

AVERAGE DAILY AMOUNT	10	19	MAXIMUM DAILY AMOUNT	55	20	ANNUAL WASTE AMOUNT	21	STATE WASTE CODE	22
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UNITS	<input checked="" type="checkbox"/> a. GALLONS <input type="checkbox"/> b. CUBIC FEET <input type="checkbox"/> c. POUNDS <input type="checkbox"/> d. TONS	23	DAYS ON SITE	150	24	LARGEST CONTAINER	55	25
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STORAGE CONTAINER (Check all that apply)	<input type="checkbox"/> a. ABOVEGROUND TANK <input type="checkbox"/> b. UNDERGROUND TANK <input type="checkbox"/> c. TANK INSIDE BLDG <input type="checkbox"/> d. STEEL DRUM <input checked="" type="checkbox"/> e. PLASTIC DRUM <input type="checkbox"/> f. NONMETALLIC DRUM <input type="checkbox"/> g. METAL CONTAINER <input type="checkbox"/> h. CARBOY <input type="checkbox"/> i. VAT <input type="checkbox"/> j. FIBER DRUM <input type="checkbox"/> k. BAG(S) <input type="checkbox"/> l. BOX(S) <input type="checkbox"/> m. CYLINDER <input type="checkbox"/> n. GLASS CONTAINER <input type="checkbox"/> o. PLASTIC CONTAINER <input type="checkbox"/> p. IN MACH OR EQUIP <input type="checkbox"/> q. TANK WAGON <input type="checkbox"/> r. RAIL CAR <input type="checkbox"/> s. TOTE BIN <input type="checkbox"/> t. OTHER	26
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STORAGE PRESSURE	<input type="checkbox"/> a. AMBIENT <input type="checkbox"/> b. ABOVE AMBIENT <input type="checkbox"/> c. BELOW AMBIENT	27
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STORAGE TEMPERATURE	<input type="checkbox"/> a. AMBIENT <input type="checkbox"/> b. ABOVE AMBIENT <input type="checkbox"/> c. BELOW AMBIENT <input type="checkbox"/> d. CRYOGENIC	28
---------------------	---	----

%WT	HAZARDOUS COMPONENT (For mixture or waste only)	EHS	CAS #
1 50	Sodium Hydroxide	<input type="checkbox"/> Yes <input type="checkbox"/> No	1310-73-2
2 29		<input type="checkbox"/> Yes <input type="checkbox"/> No	
3 29		<input type="checkbox"/> Yes <input type="checkbox"/> No	
4 29		<input type="checkbox"/> Yes <input type="checkbox"/> No	
5 29		<input type="checkbox"/> Yes <input type="checkbox"/> No	

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

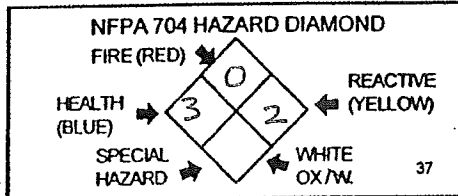
## PLACARDING INFORMATION

UNDOT # VN1823 33  
Refer to shipping papers or MSDS

DOT HAZARD CLASS Class 8 34  
Refer to shipping papers or MSDS

EPCRA  YES  NO 35

X \_\_\_\_\_ 36  
If EPCRA, Please Sign Here



MAKE AS MANY COPIES OF CHEMICAL INVENTORY FORM AS NEEDED

006 04/27/04 CAUSTIC SODA ANHYDROUS (ALL GRADES)

\*\*\*\*\*

PRODUCT IDENTIFICATION

\*\*\*\*\*

PRODUCT NAME: CAUSTIC SODA ANHYDROUS (ALL GRADES)

MSDS#: OZ32413

DATE ISSUED: 04/07/2004

SUPERSEDES: 05/06/2003

ISSUED BY: 008730

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Distributed by:
Univar USA Inc.
6100 Carillon Point
Kirkland, WA 98033
425-889-3400

SUBSTANCE: CAUSTIC SODA ANHYDROUS (ALL GRADES)

TRADE NAMES:
Caustic Soda - Solid; Caustic Soda - Beads; Caustic Soda- # 2 Flake;
Caustic Soda - # 4 Flake; Caustic Soda - Rayon; Caustic Soda - Diaphragm;
Diaphragm Compounder

SYNONYMS:
Sodium hydroxide - Dry

PRODUCT USE: cleaner, process chemical, petroleum industry, food processing,
metal finishing

REVISION DATE: Apr 07 2004

2. COMPOSITION, INFORMATION ON INGREDIENTS

COMPONENT: SODIUM HYDROXIDE
CAS NUMBER: 1310-73-2
PERCENTAGE: 97-98.2

COMPONENT: SODIUM CHLORIDE
CAS NUMBER: 7647-14-5
PERCENTAGE: 0-1.2

COMPONENT: SODIUM CARBONATE
CAS NUMBER: 497-19-8
PERCENTAGE: 0.4-1.0

3. HAZARDS IDENTIFICATION

NFPA RATINGS (SCALE 0-4): HEALTH=3 FIRE=0 REACTIVITY=2

HMS RATINGS (SCALE 0-4): HEALTH=3 FLAMMABILITY=0 REACTIVITY=2

EMERGENCY OVERVIEW:

COLOR: white
PHYSICAL FORM: solid
ODOR: odorless

MAJOR HEALTH HAZARDS: MAY CAUSE BURNS TO THE RESPIRATORY TRACT, SKIN, EYES

006 04/27/04 CAUSTIC SODA ANHYDROUS (ALL GRADES)

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HMIS RATINGS (SCALE 0-4): HEALTH=3 FLAMMABILITY=0 REACTIVITY=2

## EMERGENCY OVERVIEW:

COLOR: white  
PHYSICAL FORM: solid  
ODOR: odorless

MAJOR HEALTH HAZARDS: MAY CAUSE BURNS TO THE RESPIRATORY TRACT, SKIN, EYES



006 04/27/04 CAUSTIC SODA ANHYDROUS (ALL GRADES)

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Diaphragm Compounder

## SYNONYMS:

Sodium hydroxide - Dry

PRODUCT USE: cleaner, process chemical, petroleum industry, food processing,  
metal finishing

REVISION DATE: Apr 07 2004

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COMPONENT: SODIUM HYDROXIDE

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PERCENTAGE: 97-98.2

COMPONENT: SODIUM CHLORIDE

CAS NUMBER: 7647-14-5

PERCENTAGE: 0-1.2

COMPONENT: SODIUM CARBONATE

CAS NUMBER: 497-19-8

PERCENTAGE: 0.4-1.0

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NFPA RATINGS (SCALE 0-4): HEALTH=3 FIRE=0 REACTIVITY=2

HMIS RATINGS (SCALE 0-4): HEALTH=3 FLAMMABILITY=0 REACTIVITY=2

## EMERGENCY OVERVIEW:

COLOR: white

PHYSICAL FORM: solid

ODOR: odorless

MAJOR HEALTH HAZARDS: MAY CAUSE BURNS TO THE RESPIRATORY TRACT, SKIN, EYES

006 04/27/04 CAUSTIC SODA ANHYDROUS (ALL GRADES)

\*\*\*\*\*

PRODUCT IDENTIFICATION

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PRODUCT NAME: CAUSTIC SODA ANHYDROUS (ALL GRADES)

MSDS#: 0232413

DATE ISSUED: 04/07/2004

SUPERSEDES: 05/06/2003

ISSUED BY: 008730

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6100 Carillon Point
Kirkland, WA 98033
425-889-3400

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Diaphragm Compounder

SYNONYMS:
Sodium hydroxide - Dry

PRODUCT USE: cleaner, process chemical, petroleum industry, food processing,
metal finishing

REVISION DATE: Apr 07 2004

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CAS NUMBER: 1310-73-2
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CAS NUMBER: 7647-14-5
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HMS RATINGS (SCALE 0-4): HEALTH=3 FLAMMABILITY=0 REACTIVITY=2

EMERGENCY OVERVIEW:

COLOR: white
PHYSICAL FORM: solid
ODOR: odorless

MAJOR HEALTH HAZARDS: MAY CAUSE BURNS TO THE RESPIRATORY TRACT, SKIN, EYES

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## EMERGENCY OVERVIEW:

COLOR: white

PHYSICAL FORM: solid

ODOR: odorless

MAJOR HEALTH HAZARDS: MAY CAUSE BURNS TO THE RESPIRATORY TRACT, SKIN, EYES

AND GASTROINTESTINAL TRACT. MAY CAUSE PERMANENT EYE DAMAGE.

POTENTIAL HEALTH EFFECTS:

INHALATION:

SHORT TERM EXPOSURE: irritation (possibly severe), burns, pulmonary edema  
LONG TERM EXPOSURE: to our knowledge, no effects are known

SKIN CONTACT:

SHORT TERM EXPOSURE: irritation (possibly severe), burns  
LONG TERM EXPOSURE: dermatitis

EYE CONTACT:

SHORT TERM EXPOSURE: irritation (possibly severe), burns, eye damage,  
blindness  
LONG TERM EXPOSURE: visual disturbances

INGESTION:

SHORT TERM EXPOSURE: irritation (possibly severe), burns, nausea, vomiting  
LONG TERM EXPOSURE: to our knowledge, no effects are known

CARCINOGEN STATUS:

OSHA: No  
NTP: No  
IARC: No

4. FIRST AID MEASURES

INHALATION:

If adverse effects occur, remove to uncontaminated area. Give artificial respiration if not breathing. If breathing is difficult, oxygen should be administered by qualified personnel. If respiration or pulse has stopped, have a trained person administer Basic Life Support (Cardio-Pulmonary Resuscitation/Automatic External Defibrillator) and CALL FOR EMERGENCY SERVICES IMMEDIATELY.

SKIN CONTACT:

Immediately flush contaminated areas with water. Remove contaminated clothing, jewelry, and shoes immediately. Wash contaminated areas with soap and water. Thoroughly clean and dry contaminated clothing and shoes before reuse. Discard footwear which cannot be decontaminated. GET MEDICAL ATTENTION IMMEDIATELY.

EYE CONTACT:

Immediately flush eyes with a directed stream of water for at least 15 minutes, forcibly holding eyelids apart to ensure complete irrigation of all eye and lid tissues. Washing eyes within several seconds is essential to achieve maximum effectiveness. GET MEDICAL ATTENTION IMMEDIATELY.

INGESTION:

Never give anything by mouth to an unconscious or convulsive person. If swallowed, do not induce vomiting. Give large amounts of water. If vomiting occurs spontaneously, keep airway clear. Give more water when vomiting stops. GET MEDICAL ATTENTION IMMEDIATELY.

NOTE TO PHYSICIAN: The absence of visible signs or symptoms of burns does NOT reliably exclude the presence of actual tissue damage.

5. FIRE FIGHTING MEASURES

FIRE AND EXPLOSION HAZARDS:

Negligible fire hazard.

EXTINGUISHING MEDIA:

Do not use water. Use extinguishing agents appropriate for surrounding fire.

AND GASTROINTESTINAL TRACT. MAY CAUSE PERMANENT EYE DAMAGE.

POTENTIAL HEALTH EFFECTS:

INHALATION:

SHORT TERM EXPOSURE: irritation (possibly severe), burns, pulmonary edema  
LONG TERM EXPOSURE: to our knowledge, no effects are known

SKIN CONTACT:

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EYE CONTACT:

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Immediately flush eyes with a directed stream of water for at least 15 minutes, forcibly holding eyelids apart to ensure complete irrigation of all eye and lid tissues. Washing eyes within several seconds is essential to achieve maximum effectiveness. GET MEDICAL ATTENTION IMMEDIATELY.

INGESTION:

Never give anything by mouth to an unconscious or convulsive person. If swallowed, do not induce vomiting. Give large amounts of water. If vomiting occurs spontaneously, keep airway clear. Give more water when vomiting stops. GET MEDICAL ATTENTION IMMEDIATELY.

NOTE TO PHYSICIAN: The absence of visible signs or symptoms of burns does NOT reliably exclude the presence of actual tissue damage.

5. FIRE FIGHTING MEASURES

FIRE AND EXPLOSION HAZARDS:

Negligible fire hazard.

EXTINGUISHING MEDIA:

Do not use water. Use extinguishing agents appropriate for surrounding fire.



**FIRE FIGHTING:**

Move container from fire area if it can be done without risk.

**SENSITIVITY TO MECHANICAL IMPACT:** Not sensitive  
**SENSITIVITY TO STATIC DISCHARGE:** Not sensitive  
**FLASH POINT:** not flammable

**6. ACCIDENTAL RELEASE MEASURES****OCCUPATIONAL RELEASE:**

Shovel dry material into suitable container. Keep out of water supplies and sewers. This material is alkaline and may raise the pH of surface waters with low buffering capacity. Releases should be reported, if required, to appropriate agencies. Notify Local Emergency Planning Committee and State Emergency Response Commission for release greater than or equal to RQ (U.S. SARA Section 304). If release occurs in the U.S. and is reportable under CERCLA Section 103, notify the National Response Center at (800)424-8802 (USA) or (202)426-2675 (USA).

**STORAGE:**

Store and handle in accordance with all current regulations and standards. Keep container tightly closed and properly labeled. Do not store in aluminum container or use aluminum fittings or transfer lines, as flammable hydrogen gas may be generated. Keep separated from incompatible substances.

**HANDLING:**

Avoid breathing dust. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. When mixing, slowly add to water to minimize heat generation and spattering.

**8. EXPOSURE CONTROLS, PERSONAL PROTECTION****EXPOSURE LIMITS:****SODIUM HYDROXIDE:**

2 mg/m<sup>3</sup> OSHA TWA  
2 mg/m<sup>3</sup> OSHA ceiling (vacated by 58 FR 35338, June 30, 1993)  
2 mg/m<sup>3</sup> ACGIH ceiling  
2 mg/m<sup>3</sup> MEXICO peak

**VENTILATION:**

Provide local exhaust ventilation where dust or mist may be generated. Ensure compliance with applicable exposure limits.

**EYE PROTECTION:**

Wear chemical resistant safety goggles if eye contact is likely. When wet mixing, wear splash resistant safety goggles with a faceshield. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.

**CLOTHING:**

Wear protective clothing to minimize skin contact. When potential for contact with wet material exists, wear Tychem(R) SL or a similar chemical protective suit. When potential for contact with dry material exists, wear disposable coveralls such as Tyvek(R).

**GLOVES:**

Wear suitable gloves. Discard contaminated leather goods. When wet mixing, wear chemical resistant gloves such as butyl rubber, natural rubber, neoprene or nitrile.

**PROTECTIVE MATERIAL TYPES:**

butyl rubber, canvas, leather, natural rubber, neoprene, nitrile, Tychem (R), Tyvek(R)

**RESPIRATOR:**

**FIRE FIGHTING:**

Move container from fire area if it can be done without risk.

**SENSITIVITY TO MECHANICAL IMPACT:** Not sensitive  
**SENSITIVITY TO STATIC DISCHARGE:** Not sensitive  
**FLASH POINT:** not flammable

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**SENSITIVITY TO MECHANICAL IMPACT:** Not sensitive  
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butyl rubber, canvas, leather, natural rubber, neoprene, nitrile, Tychem (R), Tyvek(R)

**RESPIRATOR:**

A NIOSH approved respirator with N95 (dust, fume, mist) filters may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits, or when symptoms have been observed that are indicative of overexposure.

A half facepiece air-purifying respirator may be used in concentrations up to 10X the acceptable exposure level and a full facepiece air-purifying respirator may be used in concentrations up to 50X the acceptable exposure level.

Supplied air should be used when the level is expected to be above 50X the acceptable level, or when there is a potential for uncontrolled release.

A respiratory protection program that meets 29 CFR 1910.134 must be followed whenever workplace conditions warrant use of a respirator.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE:	solid
COLOR:	white
ODOR:	odorless
MOLECULAR WEIGHT:	40.00
MOLECULAR FORMULA:	NaOH
BOILING POINT:	Not applicable
MELTING POINT:	604 F (318 C)
VAPOR PRESSURE:	Not applicable
VAPOR DENSITY:	Not applicable
SPECIFIC GRAVITY (water=1):	2.13 @ 20 C
WATER SOLUBILITY:	100%
PH:	Not applicable
VOLATILITY:	0%
ODOR THRESHOLD:	Not available
EVAPORATION RATE:	Not applicable
COEFFICIENT OF WATER/OIL DISTRIBUTION:	Not available

## 10. STABILITY AND REACTIVITY

REACTIVITY: Stable at normal temperatures and pressure.

### CONDITIONS TO AVOID:

Avoid contact with water. Direct contact with water may cause an exothermic reaction. Carbon monoxide gas may form upon contact with reducing sugars, food and beverage products in enclosed spaces.

### INCOMPATIBILITIES:

acids, halogenated compounds, prolonged contact with aluminum, brass, bronze, copper, lead, tin, zinc or other alkali sensitive metals or alloys

### HAZARDOUS DECOMPOSITION:

Thermal decomposition products: None known.

POLYMERIZATION: Will not polymerize.

## 11. TOXICOLOGICAL INFORMATION

### CAUSTIC SODA ANHYDROUS (ALL GRADES):

TOXICITY DATA: Sodium Hydroxide: 1350 mg/kg Dermal-Rabbit LD50. 220 mg/kg (50% solution) Oral-Rat LD50. As a solid, this material interacts with moist tissue to cause damage. When in solution, this material will affect all tissues with which it comes in contact. The severity of the tissue damage is a function of its concentration, the length of tissue contact time, and local tissue conditions. After exposure there may be a time delay before irritation and other effects occur. This material is a strong irritant and is corrosive to the skin, eyes, and mucous membranes. This material may cause severe burns and permanent damage to any tissue with which it comes into contact. Inhalation will cause severe irritation, possible burns with pulmonary edema, which may lead to pneumonitis. Skin contact with this material may cause severe irritation and corrosion of tissue. Eye contact can cause severe irritation, corrosion with possible corneal damage and blindness. In general,

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## 10. STABILITY AND REACTIVITY

REACTIVITY: Stable at normal temperatures and pressure.

### CONDITIONS TO AVOID:

Avoid contact with water. Direct contact with water may cause an exothermic reaction. Carbon monoxide gas may form upon contact with reducing sugars, food and beverage products in enclosed spaces.

### INCOMPATIBILITIES:

acids, halogenated compounds, prolonged contact with aluminum, brass, bronze, copper, lead, tin, zinc or other alkali sensitive metals or alloys

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Thermal decomposition products: None known.

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### CONDITIONS TO AVOID:

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Thermal decomposition products: None known.

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acids, halogenated compounds, prolonged contact with aluminum, brass, bronze, copper, lead, tin, zinc or other alkali sensitive metals or alloys

### HAZARDOUS DECOMPOSITION:

Thermal decomposition products: None known.

POLYMERIZATION: Will not polymerize.

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chronic effects are due to long-term irritation. This material may cause dermatitis on the skin, or recurrent corneal ulceration and visual disturbances. In rare cases reports have noted long-term inhalation causes bronchial inflammatory reaction or obstructive airway dysfunction.

## 12. ECOLOGICAL INFORMATION

### ECOTOXICITY DATA:

FISH TOXICITY: This material has exhibited moderate toxicity to aquatic organisms.

### FATE AND TRANSPORT:

BIODEGRADATION: This material is inorganic and not subject to biodegradation.

PERSISTENCE: This material will exist in the disassociated state.

BIOCONCENTRATION: This material is believed not to bioaccumulate.

OTHER ECOLOGICAL INFORMATION: This material has exhibited slight toxicity to terrestrial organisms.

## 13. DISPOSAL CONSIDERATIONS

Reuse or reprocess if possible. Dispose in accordance with all applicable regulations.

## 14. TRANSPORT INFORMATION

### U.S. DOT 49 CFR 172.101:

PROPER SHIPPING NAME: Sodium hydroxide, solid  
ID NUMBER: UN1823  
HAZARD CLASS OR DIVISION: 8  
PACKING GROUP: II  
LABELING REQUIREMENTS: 8  
DOT HAZARDOUS SUBSTANCE(S):  
Sodium hydroxide 1000 lb(s) (454 kg(s))

### CANADIAN TRANSPORTATION OF DANGEROUS GOODS:

SHIPPING NAME: Sodium hydroxide, solid  
UN NUMBER: UN 1823  
CLASS: 8  
PACKING GROUP/RISK GROUP: II

## 15. REGULATORY INFORMATION

### U.S. REGULATIONS:

CERCLA SECTIONS 102a/103 HAZARDOUS SUBSTANCES (40 CFR 302.4):  
SODIUM HYDROXIDE: 1000 LBS RQ  
SARA TITLE III SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355.30):  
Not regulated.  
SARA TITLE III SARA SECTIONS 311/312 HAZARDOUS CATEGORIES (40 CFR 370.21):

ACUTE: Yes  
CHRONIC: No  
FIRE: No  
REACTIVE: Yes  
SUDDEN RELEASE: No

SARA TITLE III SECTION 313 (40 CFR 372.65): Not regulated.  
OSHA PROCESS SAFETY (29CFR1910.119): Not regulated.

### STATE REGULATIONS:

California Proposition 65: This product may contain contaminants known to the State of California to cause cancer or reproductive toxicity as listed under Proposition 65 State Drinking Water and Toxic Enforcement Act.

chronic effects are due to long-term irritation. This material may cause dermatitis on the skin, or recurrent corneal ulceration and visual disturbances. In rare cases reports have noted long-term inhalation causes bronchial inflammatory reaction or obstructive airway dysfunction.

## 12. ECOLOGICAL INFORMATION

### ECOTOXICITY DATA:

FISH TOXICITY: This material has exhibited moderate toxicity to aquatic organisms.

### FATE AND TRANSPORT:

BIODEGRADATION: This material is inorganic and not subject to biodegradation.

PERSISTENCE: This material will exist in the disassociated state.

BIOCONCENTRATION: This material is believed not to bioaccumulate.

OTHER ECOLOGICAL INFORMATION: This material has exhibited slight toxicity to terrestrial organisms.

## 13. DISPOSAL CONSIDERATIONS

Reuse or reprocess if possible. Dispose in accordance with all applicable regulations.

## 14. TRANSPORT INFORMATION

### U.S. DOT 49 CFR 172.101:

PROPER SHIPPING NAME: Sodium hydroxide, solid  
ID NUMBER: UN1823  
HAZARD CLASS OR DIVISION: 8  
PACKING GROUP: II  
LABELING REQUIREMENTS: 8  
DOT HAZARDOUS SUBSTANCE(S):  
Sodium hydroxide 1000 lb(s) (454 kg(s))

### CANADIAN TRANSPORTATION OF DANGEROUS GOODS:

SHIPPING NAME: Sodium hydroxide, solid  
UN NUMBER: UN 1823  
CLASS: 8  
PACKING GROUP/RISK GROUP: II

## 15. REGULATORY INFORMATION

### U.S. REGULATIONS:

CERCLA SECTIONS 102a/103 HAZARDOUS SUBSTANCES (40 CFR 302.4):  
SODIUM HYDROXIDE: 1000 LBS RQ  
SARA TITLE III SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355.30):  
Not regulated.  
SARA TITLE III SARA SECTIONS 311/312 HAZARDOUS CATEGORIES (40 CFR 370.21):

ACUTE: Yes  
CHRONIC: No  
FIRE: No  
REACTIVE: Yes  
SUDDEN RELEASE: No

SARA TITLE III SECTION 313 (40 CFR 372.65): Not regulated.  
OSHA PROCESS SAFETY (29CFR1910.119): Not regulated.

### STATE REGULATIONS:

California Proposition 65: This product may contain contaminants known to the State of California to cause cancer or reproductive toxicity as listed under Proposition 65 State Drinking Water and Toxic Enforcement Act.

chronic effects are due to long-term irritation. This material may cause dermatitis on the skin, or recurrent corneal ulceration and visual disturbances. In rare cases reports have noted long-term inhalation causes bronchial inflammatory reaction or obstructive airway dysfunction.

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**LABELING REQUIREMENTS:** 8  
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### CANADIAN TRANSPORTATION OF DANGEROUS GOODS:

**SHIPPING NAME:** Sodium hydroxide, solid  
**UN NUMBER:** UN 1823  
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## 15. REGULATORY INFORMATION

### U.S. REGULATIONS:

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**SODIUM HYDROXIDE: 1000 LBS RQ**

**SARA TITLE III SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355.30):**

Not regulated.

**SARA TITLE III SARA SECTIONS 311/312 HAZARDOUS CATEGORIES (40 CFR 370.21):**

**ACUTE:** Yes  
**CHRONIC:** No  
**FIRE:** No  
**REACTIVE:** Yes  
**SUDDEN RELEASE:** No

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ID NUMBER: UN1823  
HAZARD CLASS OR DIVISION: 8  
PACKING GROUP: II  
LABELING REQUIREMENTS: 8  
DOT HAZARDOUS SUBSTANCE(S):  
Sodium hydroxide 1000 lb(s) (454 kg(s))

### CANADIAN TRANSPORTATION OF DANGEROUS GOODS:

SHIPPING NAME: Sodium hydroxide, solid  
UN NUMBER: UN 1823  
CLASS: 8  
PACKING GROUP/RISK GROUP: II

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CHRONIC: No  
FIRE: No  
REACTIVE: Yes  
SUDDEN RELEASE: No

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### STATE REGULATIONS:

California Proposition 65: This product may contain contaminants known to the State of California to cause cancer or reproductive toxicity as listed under Proposition 65 State Drinking Water and Toxic Enforcement Act.

For additional information, contact Customer Service.

NEW JERSEY WORKER AND COMMUNITY RIGHT TO KNOW:

REPORTING REQUIREMENT:

SODIUM HYDROXIDE	1310-73-2	97-98.2%
SODIUM CHLORIDE	7647-14-5	0-1.2%
SODIUM CARBONATE	497-19-8	0.4-1.0%

RIGHT TO KNOW HAZARDOUS SUBSTANCE LIST:

SODIUM HYDROXIDE	1310-73-2	97-98.2%
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SPECIAL HEALTH HAZARD SUBSTANCE LIST:

SODIUM HYDROXIDE	1310-73-2	97-98.2%
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PENNSYLVANIA RIGHT TO KNOW:

REPORTING REQUIREMENT:

SODIUM HYDROXIDE	1310-73-2	97-98.2%
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BELIEVED TO BE ACCURATE, UNIVAR MAKES NO REPRESENTATIONS AS TO ITS ACCURACY OR SUFFICIENCY. CONDITIONS OF USE ARE BEYOND UNIVARS CONTROL AND THEREFORE USERS ARE RESPONSIBLE TO VERIFY THIS DATA UNDER THEIR OWN OPERATING CONDITIONS TO DETERMINE WHETHER THE PRODUCT IS SUITABLE FOR THEIR PARTICULAR PURPOSES AND THEY ASSUME ALL RISKS OF THEIR USE, HANDLING, AND DISPOSAL OF THE PRODUCT, OR FROM THE PUBLICATION OR USE OF, OR RELIANCE UPON , INFORMATION CONTAINED HEREIN. THIS INFORMATION RELATES ONLY TO THE PRODUCT DESIGNATED HEREIN, AND DOES NOT RELATE TO ITS USE IN COMBINATION WITH ANY OTHER MATERIAL OR IN ANY OTHER PROCESS.

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\* \* \* E N D O F M S D S \* \* \*



# HAZARDOUS MATERIALS INVENTORY FORM

FORM 3

ADD  DELETE  REVISED 1

Page \_\_\_ of \_\_\_ 2

FACILITY ID#	30035	BUSINESS NAME	Home + Body Co.
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### I. FACILITY INFORMATION

CHEMICAL LOCATION	warehouse		
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CONFIDENTIAL LOCATION EPCRA	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5	MAP #	6	GRID #	7
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### II. CHEMICAL INFORMATION

CHEMICAL NAME	Dodecyl Benzenesulfonic Acid	WASTE	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	8	TRADE SECRET	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	11
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COMMON NAME	Vanwet Acid 98	9	An EHS Chemical	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	12
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CAS #	27176-87-0	10	FIRE CODE HAZARD CLASSES (supplied by GGF)	13
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TYPE (Check one item only)	<input type="checkbox"/> a. PURE <input checked="" type="checkbox"/> b. MIXTURE <input type="checkbox"/> c. WASTE	14	RADIOACTIVE	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	15	CURIES	16
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PHYSICAL STATE (Check one item only)	<input type="checkbox"/> a. SOLID <input checked="" type="checkbox"/> b. LIQUID <input type="checkbox"/> c. GAS	17	FED HAZARD CATEGORIES	<input type="checkbox"/> a. FIRE <input type="checkbox"/> b. REACTIVE <input type="checkbox"/> c. PRESSURE RELEASE <input type="checkbox"/> d. ACUTE HEALTH <input type="checkbox"/> e. CHRONIC HEALTH	18
--------------------------------------	---	----	-----------------------	--	----

AVERAGE DAILY AMOUNT	10	19	MAXIMUM DAILY AMOUNT	55	20	ANNUAL WASTE AMOUNT	21	STATE WASTE CODE	N/A	22
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UNITS	<input checked="" type="checkbox"/> a. GALLONS <input type="checkbox"/> b. CUBIC FEET <input type="checkbox"/> c. POUNDS <input type="checkbox"/> d. TONS	23	DAYS ON SITE	180	24	LARGEST CONTAINER	55	25
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STORAGE CONTAINER (Check all that apply)	<input type="checkbox"/> a. ABOVEGROUND TANK <input type="checkbox"/> b. UNDERGROUND TANK <input type="checkbox"/> c. TANK INSIDE BLDG <input type="checkbox"/> d. STEEL DRUM <input type="checkbox"/> e. PLASTIC DRUM <input type="checkbox"/> f. NONMETALLIC DRUM <input type="checkbox"/> g. METAL CONTAINER <input type="checkbox"/> h. CARBOY <input type="checkbox"/> i. VAT <input type="checkbox"/> j. FIBER DRUM <input type="checkbox"/> k. BAG(S) <input type="checkbox"/> l. BOX(S) <input checked="" type="checkbox"/> m. CYLINDER <input type="checkbox"/> n. GLASS CONTAINER <input checked="" type="checkbox"/> o. PLASTIC CONTAINER <input type="checkbox"/> p. IN MACH OR EQUIP <input type="checkbox"/> q. TANK WAGON <input type="checkbox"/> r. RAIL CAR <input type="checkbox"/> s. TOTE BIN <input type="checkbox"/> t. OTHER	26
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STORAGE PRESSURE	<input type="checkbox"/> a. AMBIENT <input type="checkbox"/> b. ABOVE AMBIENT <input type="checkbox"/> c. BELOW AMBIENT	27
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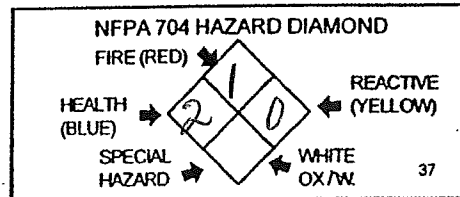
STORAGE TEMPERATURE	<input type="checkbox"/> a. AMBIENT <input type="checkbox"/> b. ABOVE AMBIENT <input type="checkbox"/> c. BELOW AMBIENT <input type="checkbox"/> d. CRYOGENIC	28
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%WT	HAZARDOUS COMPONENT (For mixture or waste only)	EHS	CAS #
1 96	Benzenesulfonic acid, dodecyl	<input type="checkbox"/> Yes <input type="checkbox"/> No	27176-87-0
2 2	Sulfonic Acid	<input type="checkbox"/> Yes <input type="checkbox"/> No	7664-93-9
3 29		<input type="checkbox"/> Yes <input type="checkbox"/> No	
4 29		<input type="checkbox"/> Yes <input type="checkbox"/> No	
5 29		<input type="checkbox"/> Yes <input type="checkbox"/> No	

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

### PLACARDING INFORMATION

UNDOT #	VN 3265	33
DOT HAZARD CLASS	Class 8	34
EPCRA	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	35
X	If EPCRA, Please Sign Here	36



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# HAZARDOUS MATERIALS INVENTORY FORM

FORM 3

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ADD     DELETE     REVISED 1

FACILITY ID# 30035 BUSINESS NAME Home + Body Co.

## I. FACILITY INFORMATION

CHEMICAL LOCATION warehouse

CONFIDENTIAL LOCATION EPCRA  Yes  No 5 MAP # 6 GRID # 7

## II. CHEMICAL INFORMATION

CHEMICAL NAME Dodecyl Benzenesulfonic Acid WASTE  Yes 8 TRADE SECRET  Yes  No 11  
\* If EPCRA see instructions

COMMON NAME Vanwet Acid 98 9 An EHS Chemical  Yes  No 12  
\* If EHS is "Yes", all amounts must be LBS

CAS # 27176-87-0 10 FIRE CODE HAZARD CLASSES (supplied by GGF) 13

TYPE (Check one item only)  a. PURE  b. MIXTURE  c. WASTE 14 RADIOACTIVE  Yes  No 15 CURIES 16

PHYSICAL STATE (Check one item only)  a. SOLID  b. LIQUID  c. GAS 17 FED HAZARD CATEGORIES  a. FIRE  b. REACTIVE  c. PRESSURE RELEASE 18  
 d. ACUTE HEALTH  e. CHRONIC HEALTH

AVERAGE DAILY AMOUNT 10 19 MAXIMUM DAILY AMOUNT 55 20 ANNUAL WASTE AMOUNT 0 21 STATE WASTE CODE N/A 22

UNITS  a. GALLONS  b. CUBIC FEET 23 DAYS ON SITE 180 24 LARGEST CONTAINER 55 25  
 c. POUNDS  d. TONS  
\* If EHS, amount must be in pounds.

STORAGE CONTAINER (Check all that apply)  a. ABOVEGROUND TANK  e. PLASTIC DRUM  i. VAT  m. CYLINDER  q. TANK WAGON 26  
 b. UNDERGROUND TANK  f. NONMETALLIC DRUM  j. FIBER DRUM  n. GLASS CONTAINER  r. RAIL CAR  
 c. TANK INSIDE BLDG  g. METAL CONTAINER  k. BAG(S)  o. PLASTIC CONTAINER  s. TOTE BIN  
 d. STEEL DRUM  h. CARBOY  l. BOX(S)  p. IN MACH OR EQUIP  t. OTHER

STORAGE PRESSURE  a. AMBIENT  b. ABOVE AMBIENT  c. BELOW AMBIENT 27

STORAGE TEMPERATURE  a. AMBIENT  b. ABOVE AMBIENT  c. BELOW AMBIENT  d. CRYOGENIC 28

%WT	HAZARDOUS COMPONENT (For mixture or waste only)	EHS	CAS #
1 96	Benzenesulfonic acid, dodecyl	<input type="checkbox"/> Yes <input type="checkbox"/> No 31	27176-87-0 32
2 2	Sulfonic Acid	<input type="checkbox"/> Yes <input type="checkbox"/> No 31	7664-93-9 32
3 29		<input type="checkbox"/> Yes <input type="checkbox"/> No 31	32
4 29		<input type="checkbox"/> Yes <input type="checkbox"/> No 31	32
5 29		<input type="checkbox"/> Yes <input type="checkbox"/> No 31	32

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

## PLACARDING INFORMATION

UNDOT # VW 3265 33 Refer to shipping papers or MSDS

DOT HAZARD CLASS Class 8 34 Refer to shipping papers or MSDS

EPCRA  YES  NO 35

X      36 If EPCRA, Please Sign Here

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# HAZARDOUS MATERIALS INVENTORY FORM

FORM 3

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ADD     DELETE     REVISED 1

FACILITY ID#	3 0 0 3 5	BUSINESS NAME	Home + Body Co.
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## I. FACILITY INFORMATION

CHEMICAL LOCATION warehouse

CONFIDENTIAL LOCATION EPCRA  Yes  No 5    MAP # 6    GRID # 7

## II. CHEMICAL INFORMATION

CHEMICAL NAME Dodecyl Benzenesulfonic Acid    WASTE  Yes  No 8    TRADE SECRET  Yes  No 11  
\* If EPCRA see instructions

COMMON NAME Vanwet Acid 98    An EHS Chemical  Yes  No 12  
\* If EHS is "Yes", all amounts must be LBS

CAS # 27176-87-0 10    FIRE CODE HAZARD CLASSES (supplied by GGFD) 13

TYPE (Check one item only)  a. PURE  b. MIXTURE  c. WASTE 14    RADIOACTIVE  Yes  No 15    CURIES 16

PHYSICAL STATE (Check one item only)  a. SOLID  b. LIQUID  c. GAS 17    FED HAZARD CATEGORIES  a. FIRE  b. REACTIVE  c. PRESSURE RELEASE  d. ACUTE HEALTH  e. CHRONIC HEALTH 18

AVERAGE DAILY AMOUNT 10 19    MAXIMUM DAILY AMOUNT 55 20    ANNUAL WASTE AMOUNT 0 21    STATE WASTE CODE N/A 22

UNITS  a. GALLONS  b. CUBIC FEET  c. POUNDS  d. TONS 23    DAYS ON SITE 180 24    LARGEST CONTAINER 55 25  
\* If EHS, amount must be in pounds.

STORAGE CONTAINER (Check all that apply):  
 a. ABOVEGROUND TANK     e. PLASTIC DRUM     i. VAT     m. CYLINDER     q. TANK WAGON  
 b. UNDERGROUND TANK     f. NONMETALLIC DRUM     j. FIBER DRUM     n. GLASS CONTAINER     r. RAIL CAR  
 c. TANK INSIDE BLDG     g. METAL CONTAINER     k. BAG(S)     o. PLASTIC CONTAINER     s. TOTE BIN  
 d. STEEL DRUM     h. CARBOY     l. BOX(S)     p. IN MACH OR EQUIP     t. OTHER \_\_\_\_\_

STORAGE PRESSURE  a. AMBIENT  b. ABOVE AMBIENT  c. BELOW AMBIENT 27

STORAGE TEMPERATURE  a. AMBIENT  b. ABOVE AMBIENT  c. BELOW AMBIENT  d. CRYOGENIC 28

%WT	HAZARDOUS COMPONENT (For mixture or waste only)	EHS	CAS #
1 96 29	Benzenesulfonic acid, dodecyl 30	<input type="checkbox"/> Yes <input type="checkbox"/> No 31	27176-87-0 32
2 2 29	sulfuric acid 30	<input type="checkbox"/> Yes <input type="checkbox"/> No 31	7664-93-9 32
3 29		<input type="checkbox"/> Yes <input type="checkbox"/> No 31	
4 29		<input type="checkbox"/> Yes <input type="checkbox"/> No 31	
5 29		<input type="checkbox"/> Yes <input type="checkbox"/> No 31	

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

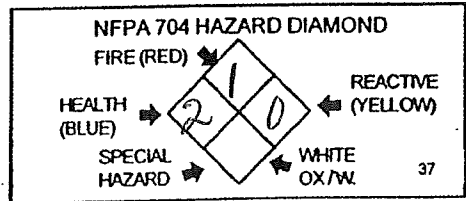
## PLACARDING INFORMATION

UNDOT # VN 3265 33  
Refer to shipping papers or MSDS

DOT HAZARD CLASS Class 8 34  
Refer to shipping papers or MSDS

EPCRA  YES  NO 35

X \_\_\_\_\_ 36  
If EPCRA, Please Sign Here



MAKE AS MANY COPIES OF CHEMICAL INVENTORY FORM AS NEEDED



# HAZARDOUS MATERIALS INVENTORY FORM

FORM 3

Page      of      2

ADD     DELETE     REVISED 1

FACILITY ID#	30035	BUSINESS NAME	Home + Body Co.
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## I. FACILITY INFORMATION

CHEMICAL LOCATION warehouse

CONFIDENTIAL LOCATION EPCRA  Yes  No 5    MAP # 6    GRID # 7

## II. CHEMICAL INFORMATION

CHEMICAL NAME Dodecyl Benzenesulfonic Acid    WASTE  Yes  No 8    TRADE SECRET  Yes  No 11  
\* If EPCRA see instructions

COMMON NAME Vanwet Acid 98    An EHS Chemical  Yes  No 12  
\* If EHS is "Yes", all amounts must be LBS

CAS # 27176-87-0    FIRE CODE HAZARD CLASSES (supplied by GGFD) 10

TYPE (Check one item only)  a. PURE  b. MIXTURE  c. WASTE 14    RADIOACTIVE  Yes  No 15    CURIES 16

PHYSICAL STATE (Check one item only)  a. SOLID  b. LIQUID  c. GAS 17    FED HAZARD CATEGORIES  a. FIRE  b. REACTIVE  c. PRESSURE RELEASE  d. ACUTE HEALTH  e. CHRONIC HEALTH 18

AVERAGE DAILY AMOUNT 10 19    MAXIMUM DAILY AMOUNT 55 20    ANNUAL WASTE AMOUNT 0 21    STATE WASTE CODE N/A 22

UNITS  a. GALLONS  b. CUBIC FEET 23    DAYS ON SITE 180 24    LARGEST CONTAINER 55 25  
 c. POUNDS  d. TONS  
\* If EHS, amount must be in pounds.

STORAGE CONTAINER (Check all that apply)  a. ABOVEGROUND TANK  e. PLASTIC DRUM  i. VAT  m. CYLINDER  q. TANK WAGON  
 b. UNDERGROUND TANK  f. NONMETALLIC DRUM  j. FIBER DRUM  n. GLASS CONTAINER  r. RAIL CAR  
 c. TANK INSIDE BLDG  g. METAL CONTAINER  k. BAG(S)  o. PLASTIC CONTAINER  s. TOTE BIN  
 d. STEEL DRUM  h. CARBOY  l. BOX(S)  p. IN MACH OR EQUIP  t. OTHER

STORAGE PRESSURE  a. AMBIENT  b. ABOVE AMBIENT  c. BELOW AMBIENT 27

STORAGE TEMPERATURE  a. AMBIENT  b. ABOVE AMBIENT  c. BELOW AMBIENT  d. CRYOGENIC 28

%WT	HAZARDOUS COMPONENT (For mixture or waste only)	EHS	CAS #
1 96 29	Benzenesulfonic acid, dodecyl	<input type="checkbox"/> Yes <input type="checkbox"/> No 31	27176-87-0 32
2 2 29	sulfuric acid	<input type="checkbox"/> Yes <input type="checkbox"/> No 31	7664-93-9 32
3 29		<input type="checkbox"/> Yes <input type="checkbox"/> No 31	32
4 29		<input type="checkbox"/> Yes <input type="checkbox"/> No 31	32
5 29		<input type="checkbox"/> Yes <input type="checkbox"/> No 31	32

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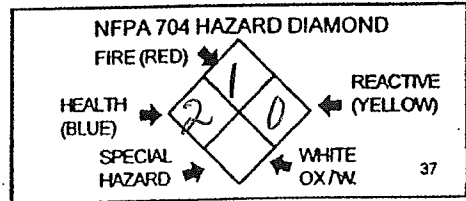
## PLACARDING INFORMATION

UNDOT # VN 3265 33  
Refer to shipping papers or MSDS

DOT HAZARD CLASS Class 8 34  
Refer to shipping papers or MSDS

EPCRA  YES  NO 35

X      36  
If EPCRA, Please Sign Here



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# HAZARDOUS MATERIALS INVENTORY FORM

FORM 3

ADD     DELETE     REVISED 1    Page \_\_\_ of \_\_\_ 2

FACILITY ID#	3 0 0 3 5	38. BUSINESS NAME	Home + Body Co.	3
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### I. FACILITY INFORMATION

CHEMICAL LOCATION	warehouse			4
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CONFIDENTIAL LOCATION EPCRA	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5	MAP #	6	GRID #	7
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### II. CHEMICAL INFORMATION

CHEMICAL NAME	Dodecyl Benzenesulfonic Acid	WASTE	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	8	TRADE SECRET	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	11
---------------	------------------------------	-------	---	---	--------------	---	----

COMMON NAME	Vanwet Acid 98	9	An EHS Chemical	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	12
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CAS #	27176-87-0	10	FIRE CODE HAZARD CLASSES (supplied by GGFD)	13
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TYPE (Check one item only)	<input type="checkbox"/> a. PURE <input checked="" type="checkbox"/> b. MIXTURE <input type="checkbox"/> c. WASTE	14	RADIOACTIVE	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	15	CURIES	16
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PHYSICAL STATE (Check one item only)	<input type="checkbox"/> a. SOLID <input checked="" type="checkbox"/> b. LIQUID <input type="checkbox"/> c. GAS	17	FED HAZARD CATEGORIES	<input type="checkbox"/> a. FIRE <input type="checkbox"/> b. REACTIVE <input type="checkbox"/> c. PRESSURE RELEASE <input type="checkbox"/> d. ACUTE HEALTH <input type="checkbox"/> e. CHRONIC HEALTH	18
--------------------------------------	---	----	-----------------------	--	----

AVERAGE DAILY AMOUNT	10	19	MAXIMUM DAILY AMOUNT	55	20	ANNUAL WASTE AMOUNT	0	21	STATE WASTE CODE	N/A	22
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UNITS	<input checked="" type="checkbox"/> a. GALLONS <input type="checkbox"/> b. CUBIC FEET <input type="checkbox"/> c. POUNDS <input type="checkbox"/> d. TONS	23	DAYS ON SITE	180	24	LARGEST CONTAINER	55	25
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STORAGE CONTAINER (Check all that apply)	<input type="checkbox"/> a. ABOVEGROUND TANK <input type="checkbox"/> b. UNDERGROUND TANK <input type="checkbox"/> c. TANK INSIDE BLDG <input type="checkbox"/> d. STEEL DRUM	<input type="checkbox"/> e. PLASTIC DRUM <input type="checkbox"/> f. NONMETALLIC DRUM <input type="checkbox"/> g. METAL CONTAINER <input type="checkbox"/> h. CARBOY	<input type="checkbox"/> i. VAT <input type="checkbox"/> j. FIBER DRUM <input type="checkbox"/> k. BAG(S) <input type="checkbox"/> l. BOX(S)	<input type="checkbox"/> m. CYLINDER <input type="checkbox"/> n. GLASS CONTAINER <input checked="" type="checkbox"/> o. PLASTIC CONTAINER <input type="checkbox"/> p. IN MACH OR EQUIP	<input type="checkbox"/> q. TANK WAGON <input type="checkbox"/> r. RAIL CAR <input type="checkbox"/> s. TOTE BIN <input type="checkbox"/> t. OTHER	26
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STORAGE PRESSURE	<input type="checkbox"/> a. AMBIENT <input type="checkbox"/> b. ABOVE AMBIENT <input type="checkbox"/> c. BELOW AMBIENT	27
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STORAGE TEMPERATURE	<input type="checkbox"/> a. AMBIENT <input type="checkbox"/> b. ABOVE AMBIENT <input type="checkbox"/> c. BELOW AMBIENT <input type="checkbox"/> d. CRYOGENIC	28
---------------------	---	----

%WT	HAZARDOUS COMPONENT (For mixture or waste only)	EHS	CAS #
1 96	Benzenesulfonic acid, dodecyl	<input type="checkbox"/> Yes <input type="checkbox"/> No	27176-87-0
2 2	sulfuric acid	<input type="checkbox"/> Yes <input type="checkbox"/> No	7664-93-9
3 29		<input type="checkbox"/> Yes <input type="checkbox"/> No	
4 29		<input type="checkbox"/> Yes <input type="checkbox"/> No	
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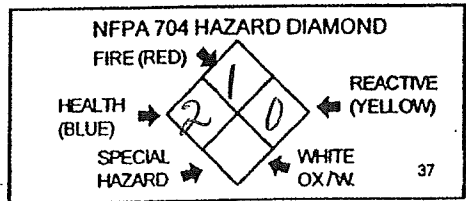
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Refer to shipping papers or MSDS

DOT HAZARD CLASS Class 8 34  
Refer to shipping papers or MSDS

EPCRA  YES  NO 35

X \_\_\_\_\_ 36  
If EPCRA, Please Sign Here



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005 02/11/00 VANWET ACID 98

\*\*\*\*\*

PRODUCT IDENTIFICATION

\*\*\*\*\*

PRODUCT NAME: VANWET ACID 98

MSDS#: P15963V

DATE ISSUED: 2/11/00

SUPERSEDES: 11/13/95

ISSUED BY: 009880

1 CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Telephone Numbers - 24 Hour Emergency Assistance  
Chemtrec 1-800-424-9300:

HAZARD RATINGS	HMIS	NFPA
Health	2	2
Flammability	1	1
Reactivity		0
PPE		

HMIS Physical Hazards:

NFPA Special Hazards:

Product Class Alkylbenzenesulfonic acid

2 COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient Name	CAS Number	Weight Range
Benzenesulfonic acid, dodecyl	27176-87-0	96%
Sulfuric acid	7664-93-9	2%

3 HAZARDS IDENTIFICATION

Corrosive

Health Effects: Eyes

Contact can cause moderate to severe irritation and possible injury to the eyes.

Health Effects: Skin

Prolonged and/or repeated skin contact with this product may cause irritation/dermatitis.

Health Effects: Inhalation

Inhalation of vapors or mists of the product may be irritating to the respiratory system.

4 FIRST AID MEASURES

Eyes

Immediately flush eyes with water for at least 15 minutes, while holding eyelids open. Seek medical attention at once.

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**Skin**

For skin contact flush with large amounts of water. If irritation persists, get medical attention. Immediately take off all contaminated clothing. Wash contaminated clothing before reuse.

**Inhalation**

If symptoms are experienced, remove source of contamination or move victim to fresh air. If the affected person is not breathing, apply artificial respiration. If breathing is difficult, give oxygen.

**Ingestion**

If the material is swallowed, get immediate medical attention or advice.

**5 FIRE FIGHTING MEASURES**

Substance Name  
(mmHG)

Vapor Pressure

Dodecylbenzene Sulfonic Acid (DDBSA)

Sulfuric Acid

Flash point 201 F 94(201)

Extinguishing Media: Dry chemical, foam, carbon dioxide, water fog.

Fire Fighting Equipment / Instructions: Firefighters should wear full protective clothing including self contained breathing apparatus.

Hazardous Combustion Products: Irritating and/or toxic gases may be emitted upon the products decomposition.

**6 ACCIDENTAL RELEASE MEASURES**

SPILL AND LEAK PROCEDURES: Absorb spill with inert material. Shovel material into appropriate container for disposal. Flush area with water to remove trace residue. Do not allow the spilled product to enter public drainage system or open water courses. Ventilate the contaminated area. Surfaces may become slippery after spillage.

**7 HANDLING & STORAGE**

Handling Procedures: Wash thoroughly after handling.

Storage Procedures: Avoid freezing or excessive heat.

**8 EXPOSURE CONTROLS / PERSONAL PROTECTION:****Engineering Controls**

Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits. Local exhaust is suggested for use, where possible, in enclosed or confined spaces.

**Personal Protective Equipment: Skin**

Wear suitable protective clothing. Use impervious gloves.

**Personal Protective Equipment: Respiratory**

If vapors are present, use a NIOSH approved respirator for acidic vapors, air-line respirator, or a self-contained breathing apparatus.

**Personal Protective Equipment: General**

Eye wash fountain and emergency showers are recommended.

**Skin**

For skin contact flush with large amounts of water. If irritation persists, get medical attention. Immediately take off all contaminated clothing. Wash contaminated clothing before reuse.

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Personal Protective Equipment: General

Eye wash fountain and emergency showers are recommended.



## 9. PHYSICAL &amp; CHEMICAL PROPERTIES

Boiling Point: 201 F 94(201)  
 Percent Volatile: NIL  
 Vapor Pressure: Not Determined or Unknown  
 Vapor Density: Estimated heavier than air.  
 Evaporation Rate: Estimated slower than ethyl ether.  
 pH Value: <1 as is  
 Freezing Point: 0 F -18(0)  
 lbs/Gal: 8.8 LBS.  
 Physical Color: Liquid  
 Dark

## 10. STABILITY &amp; REACTIVITY

Chemical Stability  
 Stable under normal conditions.

Incompatibility  
 This product may react with strong oxidizing agents, alkalies.

Hazardous Decomposition  
 Upon decomposition, this product may yield sulfur dioxide and oxides of sulfur.

Hazardous Polymerization  
 Will not occur.

## 11. TOXICOLOGICAL INFORMATION

Carcinogenicity  
 Not listed by IARC, NTP or OSHA.

Other Toxicological Information  
 Sulfur dioxide may aggravate existing respiratory conditions.

## ACGIH 1998 - Carcinogens

Sulfuric acid 7664-93-9 (contained in strong inorganic acid mists): A2 - Suspected Human Carcinogen

## IARC - Group 1 (carcinogenic to humans)

Sulfuric acid 7664-93-9 Monograph 54; 1992 (occupation exposures to strong inorganic acid mists containing sulfuric acid)

## NIOSH - Selected LD50s and LC50a

Benzenesulfonic acid, 27176-87-0 Oral LD50 Rat: 650 mg/kg  
 dodecyl Sulfuric acid 7664-93-9 Inhalation LC50 Rat: 510 mg/m<sup>3</sup>/2H;  
 Inhalation LC50 Mouse: 320 mg/m<sup>3</sup>/2H;  
 Oral LD50 Rat: 2140 mg/kg

## OSHA - Select Carcinogens

Sulfuric acid 7664-93-9 Monograph 54; 1992 (occupation exposures to strong inorganic acid mists containing sulfuric acid);  
 (IARC -Group 1(carcinogenic to humans))

## 12. ECOLOGICAL INFORMATION

## 13. DISPOSAL CONSIDERATIONS

Disposal Instructions

## 9 PHYSICAL &amp; CHEMICAL PROPERTIES

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Dark

## 10 STABILITY &amp; REACTIVITY

Chemical Stability  
Stable under normal conditions.

Incompatibility  
This product may react with strong oxidizing agents, alkalies.

Hazardous Decomposition  
Upon decomposition, this product may yield sulfur dioxide and oxides of sulfur.

Hazardous Polymerization  
Will not occur.

## 11 TOXICOLOGICAL INFORMATION

Carcinogenicity  
Not listed by IARC, NTP or OSHA.

Other Toxicological Information  
Sulfur dioxide may aggravate existing respiratory conditions.

## ACGIH 1998 - Carcinogens

Sulfuric acid 7664-93-9 (contained in strong inorganic acid mists): A2 - Suspected Human Carcinogen

## IARC - Group 1 (carcinogenic to humans)

Sulfuric acid 7664-93-9 Monograph 54; 1992 (occupation exposures to strong inorganic acid mists containing sulfuric acid)

## NIOSH - Selected LD50s and LC50a

Benzenesulfonic acid, 27176-87-0 Oral LD50 Rat: 650 mg/kg  
dodecyl Sulfuric acid 7664-93-9 Inhalation LC50 Rat: 510 mg/m<sup>3</sup>/2H;  
Inhalation LC50 Mouse: 320 mg/m<sup>3</sup>/2H;  
Oral LD50 Rat: 2140 mg/kg

## OSHA - Select Carcinogens

Sulfuric acid 7664-93-9 Monograph 54; 1992 (occupation exposures to strong inorganic acid mists containing sulfuric acid);  
(IARC -Group 1(carcinogenic to humans))

## 12 ECOLOGICAL INFORMATION

## 13 DISPOSAL CONSIDERATIONS

Disposal Instructions

## 9 PHYSICAL &amp; CHEMICAL PROPERTIES

Boiling Point: 201 F 94(201)  
Percent Volatile: NIL  
Vapor Pressure: Not Determined or Unknown  
Vapor Density: Estimated heavier than air.  
Evaporation Rate: Estimated slower than ethyl ether.  
pH Value: <1 as is  
Freezing Point: 0 F -18(0)  
lbs/Gal: 8.8 LBS.  
Physical Color: Liquid  
Dark

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14 TRANSPORT INFORMATION

DOT Proper Shipping Name:

Corrosive Liquid, Acidic, Organic, N.O.S., 8, UN3265, GP III

Contains: Dodecylbenzene Sulfonic Acid, Sulfuric Acid

15 REGULATORY INFORMATION

Ingredient Name	CAS Number	Weight Range	Glycol Ethers
Benzenesulfonic acid, dodecyl	27176-87-0	96%	

CERCLA/SARA - Hazardous Substances and their Reportable Quantities final RQ = 1000 pounds (454 kg)

Sulfuric acid 7664-93-9 2%

CERCLA/SARA - Section 302 Extremely Hazardous Substances and TPQs TPQ = 1000 pounds; RQ = 1000 pounds

CERCLA/SARA - Section 313 - Emission Reporting: acid aerosols including mists, vapors, gas, fog, and other airborne forms of any particle size: form R reporting required for 1.0% de minimis concentration

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NJ Department of Health RTK List		
Benzenesulfonic acid, dodecyl	27176-87-0	sn 0822
Sulfuric acid	7664-93-9	sn 1761

NJ Environmental Hazardous Substances List		
Sulfuric acid	7664-93-9	sn 1761

NJ Special Hazardous Substances		
Benzenesulfonic acid, dodecyl	27176-87-0	(corrosive)
Sulfuric acid	7664-93-9	(corrosive; reactive - second degree)

16 OTHER INFORMATION

----- FOR ADDITIONAL INFORMATION -----

CONTACT: MSDS COORDINATOR UNIVAR USA INC. DURING BUSINESS HOURS, PACIFIC TIME (425) 889-3400

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# HAZARDOUS MATERIALS INVENTORY FORM

FORM 3

ADD

DELETE

REVISED 1

Page      of      2

FACILITY ID#	30035	BUSINESS NAME	Home + Body Co.
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## I. FACILITY INFORMATION

CHEMICAL LOCATION	warehouse		
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CONFIDENTIAL LOCATION EPCRA	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5	MAP #	6	GRID #	7
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## II. CHEMICAL INFORMATION

CHEMICAL NAME	Sodium metasilicate	WASTE	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	8	TRADE SECRET	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	11
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COMMON NAME	Sodium metasilicate	9	An EHS Chemical	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	12
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CAS #	6834-92-0	10	FIRE CODE HAZARD CLASSES (supplied by GGF)	13
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TYPE (Check one item only)	<input checked="" type="checkbox"/> a. PURE	<input type="checkbox"/> b. MIXTURE	<input type="checkbox"/> c. WASTE	14	RADIOACTIVE	<input type="checkbox"/> Yes <input type="checkbox"/> No	15	CURIES	16
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PHYSICAL STATE (Check one item only)	<input checked="" type="checkbox"/> a. SOLID	<input type="checkbox"/> b. LIQUID	<input type="checkbox"/> c. GAS	17	FED HAZARD CATEGORIES	<input type="checkbox"/> a. FIRE	<input type="checkbox"/> b. REACTIVE	<input type="checkbox"/> c. PRESSURE RELEASE	18
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AVERAGE DAILY AMOUNT	50	19	MAXIMUM DAILY AMOUNT	100	20	ANNUAL WASTE AMOUNT	6	21	STATE WASTE CODE	N/A	22
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UNITS	<input checked="" type="checkbox"/> a. GALLONS	<input type="checkbox"/> b. CUBIC FEET	23	DAYS ON SITE	150	24	LARGEST CONTAINER	50	25
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STORAGE CONTAINER (Check all that apply)	<input type="checkbox"/> a. ABOVEGROUND TANK	<input type="checkbox"/> e. PLASTIC DRUM	<input type="checkbox"/> i. VAT	<input type="checkbox"/> m. CYLINDER	<input type="checkbox"/> q. TANK WAGON
	<input type="checkbox"/> b. UNDERGROUND TANK	<input type="checkbox"/> f. NONMETALLIC DRUM	<input type="checkbox"/> j. FIBER DRUM	<input type="checkbox"/> n. GLASS CONTAINER	<input type="checkbox"/> r. RAIL CAR
	<input type="checkbox"/> c. TANK INSIDE BLDG	<input type="checkbox"/> g. METAL CONTAINER	<input checked="" type="checkbox"/> k. BAG(S)	<input type="checkbox"/> o. PLASTIC CONTAINER	<input type="checkbox"/> s. TOTE BIN
	<input type="checkbox"/> d. STEEL DRUM	<input type="checkbox"/> h. CARBOY	<input type="checkbox"/> l. BOX(S)	<input type="checkbox"/> p. IN MACH OR EQUIP	<input type="checkbox"/> t. OTHER

STORAGE PRESSURE	<input checked="" type="checkbox"/> a. AMBIENT	<input type="checkbox"/> b. ABOVE AMBIENT	<input type="checkbox"/> c. BELOW AMBIENT	27
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STORAGE TEMPERATURE	<input checked="" type="checkbox"/> a. AMBIENT	<input type="checkbox"/> b. ABOVE AMBIENT	<input type="checkbox"/> c. BELOW AMBIENT	<input type="checkbox"/> d. CRYOGENIC	28
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%WT	HAZARDOUS COMPONENT (For mixture or waste only)	EHS	CAS #
100	Sodium metasilicate	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6834-92-0
29		<input type="checkbox"/> Yes <input type="checkbox"/> No	
29		<input type="checkbox"/> Yes <input type="checkbox"/> No	
29		<input type="checkbox"/> Yes <input type="checkbox"/> No	
29		<input type="checkbox"/> Yes <input type="checkbox"/> No	
29		<input type="checkbox"/> Yes <input type="checkbox"/> No	

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

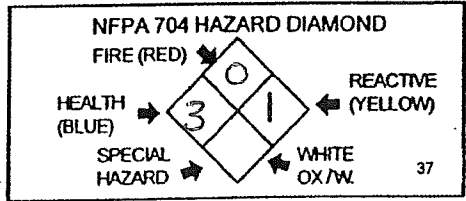
## PLACARDING INFORMATION

UNDOT #	UN 3253	33
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DOT HAZARD CLASS	Class 8	34
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EPCRA	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	35
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X	If EPCRA, Please Sign Here	36
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# HAZARDOUS MATERIALS INVENTORY FORM

FORM 3

Page \_\_\_ of \_\_\_ 2

ADD  DELETE  REVISED 1

FACILITY ID#	30035	38	BUSINESS NAME	Home + Body Co.
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## I. FACILITY INFORMATION

CHEMICAL LOCATION	warehouse					
CONFIDENTIAL LOCATION EPCRA	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5	MAP #	6	GRID #	7

## II. CHEMICAL INFORMATION

CHEMICAL NAME	Sodium metasilicate		WASTE	<input type="checkbox"/> Yes <input type="checkbox"/> No	8	TRADE SECRET	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	11
COMMON NAME	Sodium metasilicate		* If EPCRA see instructions		9	An EHS Chemical	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	12
CAS #	6834-92-0		FIRE CODE HAZARD CLASSES (supplied by GGFD)		10	13		

TYPE (Check one item only)	<input checked="" type="checkbox"/> a. PURE <input type="checkbox"/> b. MIXTURE <input type="checkbox"/> c. WASTE	14	RADIOACTIVE	<input type="checkbox"/> Yes <input type="checkbox"/> No	15	CURIES	16	
PHYSICAL STATE (Check one item only)	<input checked="" type="checkbox"/> a. SOLID <input type="checkbox"/> b. LIQUID <input type="checkbox"/> c. GAS	17	FED HAZARD CATEGORIES	<input type="checkbox"/> a. FIRE <input type="checkbox"/> b. REACTIVE <input type="checkbox"/> c. PRESSURE RELEASE <input type="checkbox"/> d. ACUTE HEALTH <input type="checkbox"/> e. CHRONIC HEALTH	18			

AVERAGE DAILY AMOUNT	50	19	MAXIMUM DAILY AMOUNT	100	20	ANNUAL WASTE AMOUNT	0	21	STATE WASTE CODE	N/A	22
UNITS	<input checked="" type="checkbox"/> a. GALLONS <input type="checkbox"/> b. CUBIC FEET <input type="checkbox"/> c. POUNDS <input type="checkbox"/> d. TONS	23	DAYS ON SITE	150	24	LARGEST CONTAINER	50	25			

STORAGE CONTAINER (Check all that apply)	<input type="checkbox"/> a. ABOVEGROUND TANK <input type="checkbox"/> b. UNDERGROUND TANK <input type="checkbox"/> c. TANK INSIDE BLDG <input type="checkbox"/> d. STEEL DRUM	<input type="checkbox"/> e. PLASTIC DRUM <input type="checkbox"/> f. NONMETALLIC DRUM <input type="checkbox"/> g. METAL CONTAINER <input type="checkbox"/> h. CARBOY	<input type="checkbox"/> i. VAT <input type="checkbox"/> j. FIBER DRUM <input checked="" type="checkbox"/> k. BAG(S) <input type="checkbox"/> l. BOX(S)	<input type="checkbox"/> m. CYLINDER <input type="checkbox"/> n. GLASS CONTAINER <input type="checkbox"/> o. PLASTIC CONTAINER <input type="checkbox"/> p. IN MACH OR EQUIP	<input type="checkbox"/> q. TANK WAGON <input type="checkbox"/> r. RAIL CAR <input type="checkbox"/> s. TOTE BIN <input type="checkbox"/> t. OTHER	26	
--	---	--	---	---	--	----	--

STORAGE PRESSURE	<input checked="" type="checkbox"/> a. AMBIENT <input type="checkbox"/> b. ABOVE AMBIENT <input type="checkbox"/> c. BELOW AMBIENT	27
STORAGE TEMPERATURE	<input checked="" type="checkbox"/> a. AMBIENT <input type="checkbox"/> b. ABOVE AMBIENT <input type="checkbox"/> c. BELOW AMBIENT <input type="checkbox"/> d. CRYOGENIC	28

%WT	HAZARDOUS COMPONENT (For mixture or waste only)	EHS	CAS #
100	Sodium metasilicate	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6834-92-0
29		<input type="checkbox"/> Yes <input type="checkbox"/> No	
29		<input type="checkbox"/> Yes <input type="checkbox"/> No	
29		<input type="checkbox"/> Yes <input type="checkbox"/> No	
29		<input type="checkbox"/> Yes <input type="checkbox"/> No	
29		<input type="checkbox"/> Yes <input type="checkbox"/> No	

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

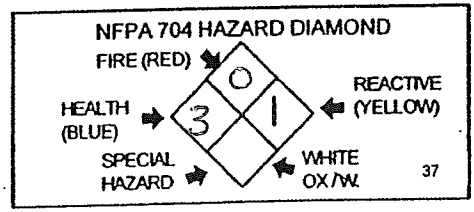
## PLACARDING INFORMATION

UNDOT # UN 3253 33  
Refer to shipping papers or MSDS

DOT HAZARD CLASS Class 8 34  
Refer to shipping papers or MSDS

EPCRA  YES  NO 35

X \_\_\_\_\_ 36  
If EPCRA, Please Sign Here



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# HAZARDOUS MATERIALS INVENTORY FORM

FORM 3

ADD     DELETE     REVISED 1    Page \_\_\_ of \_\_\_ 2

FACILITY ID#	3 0 0 3 5	38	BUSINESS NAME	Home + Body Co.	3
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### I. FACILITY INFORMATION

CHEMICAL LOCATION	warehouse				4	
CONFIDENTIAL LOCATION EPCRA	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5	MAP #	6	GRID #	7

### II. CHEMICAL INFORMATION

CHEMICAL NAME	Sodium metasilicate		WASTE	<input type="checkbox"/> Yes <input type="checkbox"/> No	8	TRADE SECRET	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	11
COMMON NAME	Sodium metasilicate		9	An EHS Chemical	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	* If EPCRA see instructions		
CAS #	6834-92-0		10	FIRE CODE HAZARD CLASSES (supplied by GGFD)	13			

TYPE (Check one item only)	<input checked="" type="checkbox"/> a. PURE	<input type="checkbox"/> b. MIXTURE	<input type="checkbox"/> c. WASTE	14	RADIOACTIVE	<input type="checkbox"/> Yes <input type="checkbox"/> No	15	CURIES	16
PHYSICAL STATE (Check one item only)	<input checked="" type="checkbox"/> a. SOLID	<input type="checkbox"/> b. LIQUID	<input type="checkbox"/> c. GAS	17	FED HAZARD CATEGORIES	<input type="checkbox"/> a. FIRE	<input type="checkbox"/> b. REACTIVE	<input type="checkbox"/> c. PRESSURE RELEASE	18
						<input type="checkbox"/> d. ACUTE HEALTH	<input type="checkbox"/> e. CHRONIC HEALTH		

AVERAGE DAILY AMOUNT	50	19	MAXIMUM DAILY AMOUNT	100	20	ANNUAL WASTE AMOUNT	6	21	STATE WASTE CODE	N/A	22
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UNITS	<input checked="" type="checkbox"/> a. GALLONS	<input type="checkbox"/> b. CUBIC FEET	23	DAYS ON SITE	150	24	LARGEST CONTAINER	50	25
	<input checked="" type="checkbox"/> c. POUNDS	<input type="checkbox"/> d. TONS							

STORAGE CONTAINER (Check all that apply)	<input type="checkbox"/> a. ABOVEGROUND TANK	<input type="checkbox"/> e. PLASTIC DRUM	<input type="checkbox"/> i. VAT	<input type="checkbox"/> m. CYLINDER	<input type="checkbox"/> q. TANK WAGON	26
	<input type="checkbox"/> b. UNDERGROUND TANK	<input type="checkbox"/> f. NONMETALLIC DRUM	<input type="checkbox"/> j. FIBER DRUM	<input type="checkbox"/> n. GLASS CONTAINER	<input type="checkbox"/> r. RAIL CAR	
	<input type="checkbox"/> c. TANK INSIDE BLDG	<input type="checkbox"/> g. METAL CONTAINER	<input checked="" type="checkbox"/> k. BAG(S)	<input type="checkbox"/> o. PLASTIC CONTAINER	<input type="checkbox"/> s. TOTE BIN	
	<input type="checkbox"/> d. STEEL DRUM	<input type="checkbox"/> h. CARBOY	<input checked="" type="checkbox"/> l. BOX(S)	<input type="checkbox"/> p. IN MACH OR EQUIP	<input type="checkbox"/> t. OTHER	

STORAGE PRESSURE	<input checked="" type="checkbox"/> a. AMBIENT	<input type="checkbox"/> b. ABOVE AMBIENT	<input type="checkbox"/> c. BELOW AMBIENT	27
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STORAGE TEMPERATURE	<input checked="" type="checkbox"/> a. AMBIENT	<input type="checkbox"/> b. ABOVE AMBIENT	<input type="checkbox"/> c. BELOW AMBIENT	<input type="checkbox"/> d. CRYOGENIC	28
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%WT	HAZARDOUS COMPONENT (For mixture or waste only)	EHS	CAS #
100	sodium metasilicate	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6834-92-0
29		<input type="checkbox"/> Yes <input type="checkbox"/> No	
29		<input type="checkbox"/> Yes <input type="checkbox"/> No	
29		<input type="checkbox"/> Yes <input type="checkbox"/> No	
29		<input type="checkbox"/> Yes <input type="checkbox"/> No	
29		<input type="checkbox"/> Yes <input type="checkbox"/> No	

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

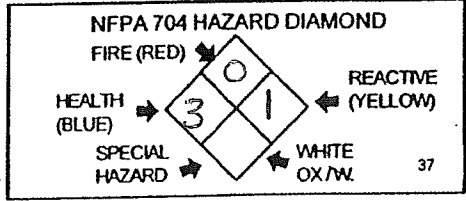
### PLACARDING INFORMATION

UNDOT # UN 3253 33  
Refer to shipping papers or MSDS

DOT HAZARD CLASS Class 8 34  
Refer to shipping papers or MSDS

EPCRA  YES  NO 35

X \_\_\_\_\_ 36  
If EPCRA, Please Sign Here



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# HAZARDOUS MATERIALS INVENTORY FORM

FORM 3

ADD     DELETE     REVISED 1    Page      of      2

FACILITY ID#	30035	38	BUSINESS NAME	Home + Body Co.	3
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## I. FACILITY INFORMATION

CHEMICAL LOCATION	warehouse	4
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CONFIDENTIAL LOCATION EPCRA	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5	MAP #	6	GRID #	7
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## II. CHEMICAL INFORMATION

CHEMICAL NAME	Sodium metasilicate	WASTE	<input type="checkbox"/> Yes <input type="checkbox"/> No	8	TRADE SECRET	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	11
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COMMON NAME	Sodium metasilicate	9	An EHS Chemical	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	12
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CAS #	6834-92-0	10	FIRE CODE HAZARD CLASSES (supplied by GGF)	13
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TYPE (Check one item only)	<input checked="" type="checkbox"/> a. PURE <input type="checkbox"/> b. MIXTURE <input type="checkbox"/> c. WASTE	14	RADIOACTIVE	<input type="checkbox"/> Yes <input type="checkbox"/> No	15	CURIES	16
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PHYSICAL STATE (Check one item only)	<input checked="" type="checkbox"/> a. SOLID <input type="checkbox"/> b. LIQUID <input type="checkbox"/> c. GAS	17	FED HAZARD CATEGORIES	<input type="checkbox"/> a. FIRE <input type="checkbox"/> b. REACTIVE <input type="checkbox"/> c. PRESSURE RELEASE	18
--------------------------------------	---	----	-----------------------	--	----

AVERAGE DAILY AMOUNT	50	19	MAXIMUM DAILY AMOUNT	100	20	ANNUAL WASTE AMOUNT	0	21	STATE WASTE CODE	N/A	22
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UNITS	<input checked="" type="checkbox"/> a. GALLONS <input type="checkbox"/> b. CUBIC FEET <input type="checkbox"/> c. POUNDS <input type="checkbox"/> d. TONS	23	DAYS ON SITE	150	24	LARGEST CONTAINER	50	25
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STORAGE CONTAINER (Check all that apply)	<input type="checkbox"/> a. ABOVEGROUND TANK <input type="checkbox"/> b. UNDERGROUND TANK <input type="checkbox"/> c. TANK INSIDE BLDG <input type="checkbox"/> d. STEEL DRUM	<input type="checkbox"/> e. PLASTIC DRUM <input type="checkbox"/> f. NONMETALLIC DRUM <input type="checkbox"/> g. METAL CONTAINER <input type="checkbox"/> h. CARBOY	<input type="checkbox"/> i. VAT <input type="checkbox"/> j. FIBER DRUM <input checked="" type="checkbox"/> k. BAG(S) <input type="checkbox"/> l. BOX(S)	<input type="checkbox"/> m. CYLINDER <input type="checkbox"/> n. GLASS CONTAINER <input type="checkbox"/> o. PLASTIC CONTAINER <input type="checkbox"/> p. IN MACH OR EQUIP	<input type="checkbox"/> q. TANK WAGON <input type="checkbox"/> r. RAIL CAR <input type="checkbox"/> s. TOTE BIN <input type="checkbox"/> t. OTHER	26
--	---	--	---	---	--	----

STORAGE PRESSURE	<input checked="" type="checkbox"/> a. AMBIENT <input type="checkbox"/> b. ABOVE AMBIENT <input type="checkbox"/> c. BELOW AMBIENT	27
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STORAGE TEMPERATURE	<input checked="" type="checkbox"/> a. AMBIENT <input type="checkbox"/> b. ABOVE AMBIENT <input type="checkbox"/> c. BELOW AMBIENT <input type="checkbox"/> d. CRYOGENIC	28
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%WT	HAZARDOUS COMPONENT (For mixture or waste only)	EHS	CAS #
100	sodium metasilicate	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6834-92-0
29		<input type="checkbox"/> Yes <input type="checkbox"/> No	
29		<input type="checkbox"/> Yes <input type="checkbox"/> No	
29		<input type="checkbox"/> Yes <input type="checkbox"/> No	
29		<input type="checkbox"/> Yes <input type="checkbox"/> No	
29		<input type="checkbox"/> Yes <input type="checkbox"/> No	

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

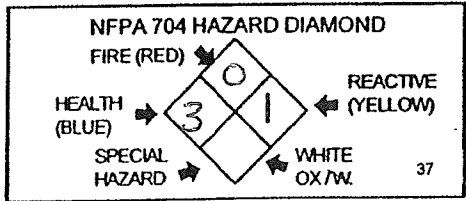
## PLACARDING INFORMATION

UNDOT # UN 3253 33  
Refer to shipping papers or MSDS

DOT HAZARD CLASS Class 8 34  
Refer to shipping papers or MSDS

EPCRA  YES  NO 35

X \_\_\_\_\_ 36  
If EPCRA, Please Sign Here



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# HAZARDOUS MATERIALS INVENTORY FORM

FORM 3

ADD     DELETE     REVISED 1    Page \_\_\_ of \_\_\_ 2

FACILITY ID#	30035	BUSINESS NAME	Home + Body Co.
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## I. FACILITY INFORMATION

CHEMICAL LOCATION	warehouse		
CONFIDENTIAL LOCATION EPCRA	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	MAP #	GRID #

## II. CHEMICAL INFORMATION

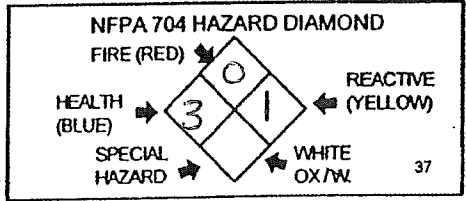
CHEMICAL NAME	Sodium metasilicate	WASTE	<input type="checkbox"/> Yes <input type="checkbox"/> No	TRADE SECRET	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
COMMON NAME	Sodium metasilicate	An EHS Chemical		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	*If EHS is "Yes", all amounts must be LBS
CAS #	6834-92-0	FIRE CODE HAZARD CLASSES (supplied by GGFDF)			
TYPE (Check one item only)	<input checked="" type="checkbox"/> a. PURE <input type="checkbox"/> b. MIXTURE <input type="checkbox"/> c. WASTE	RADIOACTIVE	<input type="checkbox"/> Yes <input type="checkbox"/> No	CURIES	
PHYSICAL STATE (Check one item only)	<input checked="" type="checkbox"/> a. SOLID <input type="checkbox"/> b. LIQUID <input type="checkbox"/> c. GAS	FED HAZARD CATEGORIES	<input type="checkbox"/> a. FIRE <input type="checkbox"/> b. REACTIVE <input type="checkbox"/> c. PRESSURE RELEASE <input type="checkbox"/> d. ACUTE HEALTH <input type="checkbox"/> e. CHRONIC HEALTH		
AVERAGE DAILY AMOUNT	50	MAXIMUM DAILY AMOUNT	100	ANNUAL WASTE AMOUNT	6
UNITS	<input checked="" type="checkbox"/> a. GALLONS <input type="checkbox"/> b. CUBIC FEET <input type="checkbox"/> c. POUNDS <input type="checkbox"/> d. TONS	DAYS ON SITE	150	LARGEST CONTAINER	50
STORAGE CONTAINER (Check all that apply)	<input type="checkbox"/> a. ABOVEGROUND TANK <input type="checkbox"/> b. UNDERGROUND TANK <input type="checkbox"/> c. TANK INSIDE BLDG <input type="checkbox"/> d. STEEL DRUM	<input type="checkbox"/> e. PLASTIC DRUM <input type="checkbox"/> f. NONMETALLIC DRUM <input type="checkbox"/> g. METAL CONTAINER <input type="checkbox"/> h. CARBOY	<input type="checkbox"/> i. VAT <input type="checkbox"/> j. FIBER DRUM <input checked="" type="checkbox"/> k. BAG(S) <input type="checkbox"/> l. BOX(S)	<input type="checkbox"/> m. CYLINDER <input type="checkbox"/> n. GLASS CONTAINER <input type="checkbox"/> o. PLASTIC CONTAINER <input type="checkbox"/> p. IN MACH OR EQUIP	<input type="checkbox"/> q. TANK WAGON <input type="checkbox"/> r. RAIL CAR <input type="checkbox"/> s. TOTE BIN <input type="checkbox"/> t. OTHER
STORAGE PRESSURE	<input checked="" type="checkbox"/> a. AMBIENT <input type="checkbox"/> b. ABOVE AMBIENT <input type="checkbox"/> c. BELOW AMBIENT				
STORAGE TEMPERATURE	<input checked="" type="checkbox"/> a. AMBIENT <input type="checkbox"/> b. ABOVE AMBIENT <input type="checkbox"/> c. BELOW AMBIENT <input type="checkbox"/> d. CRYOGENIC				

%WT	HAZARDOUS COMPONENT (For mixture or waste only)	EHS	CAS #
100	Sodium metasilicate	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6834-92-0
29		<input type="checkbox"/> Yes <input type="checkbox"/> No	
29		<input type="checkbox"/> Yes <input type="checkbox"/> No	
29		<input type="checkbox"/> Yes <input type="checkbox"/> No	
29		<input type="checkbox"/> Yes <input type="checkbox"/> No	
29		<input type="checkbox"/> Yes <input type="checkbox"/> No	

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

## PLACARDING INFORMATION

UNDOT #	UN 3253	Refer to shipping papers or MSDS
DOT HAZARD CLASS	Class 8	Refer to shipping papers or MSDS
EPCRA	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
X		If EPCRA, Please Sign Here



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MATERIAL SAFETY DATA SHEET

Ashland

Page 001  
Date Prepared: 08/18/04  
Date Printed: 07/01/05  
MSDS No: 999.0001139-004.004  
PQ

SODIUM METASILICATE PENTAHYD

---

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Material Identity**

Product Name: SODIUM METASILICATE PENTAHYD PQ  
SAP Material No: 3924060 120 O1S  
General or Generic ID: ALKALI SILICATE

**Company**

Ashland  
Ashland Distribution Co. &  
Ashland Specialty Chemical Co.  
P. O. Box 2219  
Columbus, OH 43216  
614-790-3333

**Emergency Telephone Number:**

1-800-ASHLAND (1-800-274-5263)  
24 hours everyday

Regulatory Information Number:  
1-800-325-3751

---

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient(s)	CAS Number	% (by weight)
SODIUM METASILICATE PENTAHYDRATE	6834-92-0	100.0

---

3. HAZARDS IDENTIFICATION

**Potential Health Effects**

**Eye**

Can cause permanent eye injury. Symptoms include stinging, tearing, redness, and swelling of eyes. Can injure the cornea and cause blindness.

**Skin**

Can cause permanent skin damage. Symptoms may include redness, burning, and swelling of skin, burns, and other skin damage. Additional symptoms of skin contact may include: allergic skin reaction (delayed skin rash which may be followed by blistering, scaling and other skin effects).

**Swallowing**

Swallowing this material may be harmful or fatal. Symptoms may include severe stomach and intestinal irritation (nausea, vomiting, diarrhea), abdominal pain, and vomiting of blood. Swallowing this material may cause burns and destroy tissue in the mouth, throat, and digestive tract. Low blood pressure and shock may occur as a result of severe tissue injury.

**Inhalation**

This material is a dust or may produce dust. Breathing this material may be harmful or fatal. Symptoms may include severe irritation and burns to the nose, throat, and respiratory tract.

**Symptoms of Exposure**

Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: stomach or intestinal upset (nausea, vomiting, diarrhea), irritation (nose, throat, airways), cough.

Continued on next page

MATERIAL SAFETY DATA SHEET

Ashland

Page 001  
Date Prepared: 08/18/04  
Date Printed: 07/01/05  
MSDS No: 999.0001139-004.004  
PQ

SODIUM METASILICATE PENTAHYD

---

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Material Identity**

Product Name: SODIUM METASILICATE PENTAHYD PQ  
SAP Material No: 3924060 120 01S  
General or Generic ID: ALKALI SILICATE

**Company**

Ashland  
Ashland Distribution Co. &  
Ashland Specialty Chemical Co.  
P. O. Box 2219  
Columbus, OH 43216  
614-790-3333

**Emergency Telephone Number:**

1-800-ASHLAND (1-800-274-5263)  
24 hours everyday

Regulatory Information Number:  
1-800-325-3751

---

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient(s)	CAS Number	% (by weight)
SODIUM METASILICATE PENTAHYDRATE	6834-92-0	100.0

---

3. HAZARDS IDENTIFICATION

**Potential Health Effects**

**Eye**

Can cause permanent eye injury. Symptoms include stinging, tearing, redness, and swelling of eyes. Can injure the cornea and cause blindness.

**Skin**

Can cause permanent skin damage. Symptoms may include redness, burning, and swelling of skin, burns, and other skin damage. Additional symptoms of skin contact may include: allergic skin reaction (delayed skin rash which may be followed by blistering, scaling and other skin effects).

**Swallowing**

Swallowing this material may be harmful or fatal. Symptoms may include severe stomach and intestinal irritation (nausea, vomiting, diarrhea), abdominal pain, and vomiting of blood. Swallowing this material may cause burns and destroy tissue in the mouth, throat, and digestive tract. Low blood pressure and shock may occur as a result of severe tissue injury.

**Inhalation**

This material is a dust or may produce dust. Breathing this material may be harmful or fatal. Symptoms may include severe irritation and burns to the nose, throat, and respiratory tract.

**Symptoms of Exposure**

Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: stomach or intestinal upset (nausea, vomiting, diarrhea), irritation (nose, throat, airways), cough.

Continued on next page

MATERIAL SAFETY DATA SHEET

Ashland

Page 001  
Date Prepared: 08/18/04  
Date Printed: 07/01/05  
MSDS No: 999.0001139-004.004

SODIUM METASILICATE PENTAHYD

PQ

---

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Material Identity**

Product Name: SODIUM METASILICATE PENTAHYD PQ  
SAP Material No: 3924060 120 01S  
General or Generic ID: ALKALI SILICATE

**Company**

Ashland  
Ashland Distribution Co. &  
Ashland Specialty Chemical Co.  
P. O. Box 2219  
Columbus, OH 43216  
614-790-3333

**Emergency Telephone Number:**  
1-800-ASHLAND (1-800-274-5263)  
24 hours everyday  
  
**Regulatory Information Number:**  
1-800-325-3751

---

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient(s)	CAS Number	% (by weight)
SODIUM METASILICATE PENTAHYDRATE	6834-92-0	100.0

---

3. HAZARDS IDENTIFICATION

**Potential Health Effects**

**Eye**

Can cause permanent eye injury. Symptoms include stinging, tearing, redness, and swelling of eyes. Can injure the cornea and cause blindness.

**Skin**

Can cause permanent skin damage. Symptoms may include redness, burning, and swelling of skin, burns, and other skin damage. Additional symptoms of skin contact may include: allergic skin reaction (delayed skin rash which may be followed by blistering, scaling and other skin effects).

**Swallowing**

Swallowing this material may be harmful or fatal. Symptoms may include severe stomach and intestinal irritation (nausea, vomiting, diarrhea), abdominal pain, and vomiting of blood. Swallowing this material may cause burns and destroy tissue in the mouth, throat, and digestive tract. Low blood pressure and shock may occur as a result of severe tissue injury.

**Inhalation**

This material is a dust or may produce dust. Breathing this material may be harmful or fatal. Symptoms may include severe irritation and burns to the nose, throat, and respiratory tract.

**Symptoms of Exposure**

Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: stomach or intestinal upset (nausea, vomiting, diarrhea), irritation (nose, throat, airways), cough.

Continued on next page

MATERIAL SAFETY DATA SHEET

Ashland

Page 001  
Date Prepared: 08/18/04  
Date Printed: 07/01/05  
MSDS No: 999.0001139-004.004  
PQ

SODIUM METASILICATE PENTAHYD

---

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Material Identity

Product Name: SODIUM METASILICATE PENTAHYD PQ  
SAP Material No: 3924060 120 01S  
General or Generic ID: ALKALI SILICATE

Company

Ashland  
Ashland Distribution Co. &  
Ashland Specialty Chemical Co.  
P. O. Box 2219  
Columbus, OH 43216  
614-790-3333

Emergency Telephone Number:

1-800-ASHLAND (1-800-274-5263)  
24 hours everyday

Regulatory Information Number:  
1-800-325-3751

---

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient(s)	CAS Number	% (by weight)
SODIUM METASILICATE PENTAHYDRATE	6834-92-0	100.0

---

3. HAZARDS IDENTIFICATION

Potential Health Effects

Eye

Can cause permanent eye injury. Symptoms include stinging, tearing, redness, and swelling of eyes. Can injure the cornea and cause blindness.

Skin

Can cause permanent skin damage. Symptoms may include redness, burning, and swelling of skin, burns, and other skin damage. Additional symptoms of skin contact may include: allergic skin reaction (delayed skin rash which may be followed by blistering, scaling and other skin effects).

Swallowing

Swallowing this material may be harmful or fatal. Symptoms may include severe stomach and intestinal irritation (nausea, vomiting, diarrhea), abdominal pain, and vomiting of blood. Swallowing this material may cause burns and destroy tissue in the mouth, throat, and digestive tract. Low blood pressure and shock may occur as a result of severe tissue injury.

Inhalation

This material is a dust or may produce dust. Breathing this material may be harmful or fatal. Symptoms may include severe irritation and burns to the nose, throat, and respiratory tract.

Symptoms of Exposure

Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: stomach or intestinal upset (nausea, vomiting, diarrhea), irritation (nose, throat, airways), cough.

Continued on next page



MATERIAL SAFETY DATA SHEET

Ashland

Page 001  
Date Prepared: 08/18/04  
Date Printed: 07/01/05  
MSDS No: 999.0001139-004.004  
PQ

SODIUM METASILICATE PENTAHYD

---

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Material Identity**

Product Name: SODIUM METASILICATE PENTAHYD PQ  
SAP Material No: 3924060 120 01S  
General or Generic ID: ALKALI SILICATE

**Company**

Ashland  
Ashland Distribution Co. &  
Ashland Specialty Chemical Co.  
P. O. Box 2219  
Columbus, OH 43216  
614-790-3333

**Emergency Telephone Number:**

1-800-ASHLAND (1-800-274-5263)  
24 hours everyday

Regulatory Information Number:  
1-800-325-3751

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2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient(s)	CAS Number	% (by weight)
SODIUM METASILICATE PENTAHYDRATE	6834-92-0	100.0

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3. HAZARDS IDENTIFICATION

**Potential Health Effects**

**Eye**

Can cause permanent eye injury. Symptoms include stinging, tearing, redness, and swelling of eyes. Can injure the cornea and cause blindness.

**Skin**

Can cause permanent skin damage. Symptoms may include redness, burning, and swelling of skin, burns, and other skin damage. Additional symptoms of skin contact may include: allergic skin reaction (delayed skin rash which may be followed by blistering, scaling and other skin effects).

**Swallowing**

Swallowing this material may be harmful or fatal. Symptoms may include severe stomach and intestinal irritation (nausea, vomiting, diarrhea), abdominal pain, and vomiting of blood. Swallowing this material may cause burns and destroy tissue in the mouth, throat, and digestive tract. Low blood pressure and shock may occur as a result of severe tissue injury.

**Inhalation**

This material is a dust or may produce dust. Breathing this material may be harmful or fatal. Symptoms may include severe irritation and burns to the nose, throat, and respiratory tract.

**Symptoms of Exposure**

Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: stomach or intestinal upset (nausea, vomiting, diarrhea), irritation (nose, throat, airways), cough.

Continued on next page

MATERIAL SAFETY DATA SHEET

Ashland

Page 003  
Date Prepared: 08/18/04  
Date Printed: 07/01/05  
MSDS No: 999.0001139-004.004  
PQ

**SODIUM METASILICATE PENTAHYD**

---

**Explosive Limit**

Not applicable

**Autoignition Temperature**

No data

**Hazardous Products of Combustion**

No data

**Fire and Explosion Hazards**

No special fire hazards are known to be associated with this product.

**Extinguishing Media**

water fog.

**Fire Fighting Instructions**

No special precautions necessary when fighting fires involving this product.

**NFPA Rating**

Health - 3, Flammability - 0, Reactivity - 1

---

**6. ACCIDENTAL RELEASE MEASURES**

**Small Spill**

Sweep up material for disposal or recovery.

**Large Spill**

Shovel material into containers. Thoroughly sweep area of spill to clean up any residual material.

---

**7. HANDLING AND STORAGE**

**Handling**

Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed.

---

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Eye Protection**

Chemical splash goggles in compliance with OSHA regulations are advised; however, OSHA regulations also permit other type safety glasses. Consult your safety representative.

**Skin Protection**

Wear resistant gloves such as: neoprene, To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

**Respiratory Protections**

If overexposure has been determined or documented, a NIOSH/MSHA jointly approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators under specified conditions. (See your safety equipment supplier.) Engineering or administrative controls should be implemented to reduce exposure.

Continued on next page

MATERIAL SAFETY DATA SHEET

Ashland

Page 003  
Date Prepared: 08/18/04  
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MSDS No: 999.0001139-004.004  
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**SODIUM METASILICATE PENTAHYD**

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**Explosive Limit**

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**Autoignition Temperature**

No data

**Hazardous Products of Combustion**

No data

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Continued on next page

MATERIAL SAFETY DATA SHEET

Ashland

Page 005  
Date Prepared: 08/18/04  
Date Printed: 07/01/05  
MSDS No: 999.0001139-004.004  
PQ

SODIUM METASILICATE PENTAHYD

---

10. STABILITY AND REACTIVITY

**Hazardous Polymerization**

Product will not undergo hazardous polymerization.

**Hazardous Decomposition**

No data

**Chemical Stability**

Stable.

**Incompatibility**

Avoid contact with: acids, aluminum, ammonium salts, lead, tin, water, zinc, Can react with chemically reactive metals, such as aluminum, zinc, magnesium, copper, etc., to release hydrogen gas which can form explosive mixtures with air.

---

11. TOXICOLOGICAL INFORMATION

This mixture has not been specifically tested.

**LD 50 and LC 50 Data**

SODIUM METASILICATE (CAS# 6834-92-0)  
Oral LD50 (rat): 1153 mg/kg  
Dermal LD50: Not available  
Inhalation LC50: Not available

---

12. ECOLOGICAL INFORMATION

No data

---

13. DISPOSAL CONSIDERATION

**Waste Management Information**

Dispose of in accordance with all applicable local, state and federal regulations. For assistance with your waste management needs - including disposal, recycling and waste stream reduction, contact Ashland Distribution Company, IC&S Environmental Services Group at 800-637-7922.

---

14. TRANSPORT INFORMATION

DOT Information - 49 CFR 172.101

**DOT Description:**

DISODIUM TRIOXOSILICATE,8,UN3253,III

**Container/Mode:**

55 GAL DRUM/TRUCK PACKAGE

Continued on next page

MATERIAL SAFETY DATA SHEET

Ashland

Page 005  
Date Prepared: 08/18/04  
Date Printed: 07/01/05  
MSDS No: 999.0001139-004.004  
PQ

**SODIUM METASILICATE PENTAHYD**

---

**10. STABILITY AND REACTIVITY**

**Hazardous Polymerization**

Product will not undergo hazardous polymerization.

**Hazardous Decomposition**

No data

**Chemical Stability**

Stable.

**Incompatibility**

Avoid contact with: acids, aluminum, ammonium salts, lead, tin, water, zinc, Can react with chemically reactive metals, such as aluminum, zinc, magnesium, copper, etc., to release hydrogen gas which can form explosive mixtures with air.

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**11. TOXICOLOGICAL INFORMATION**

This mixture has not been specifically tested.

**LD 50 and LC 50 Data**

SODIUM METASILICATE (CAS# 6834-92-0)  
Oral LD50 (rat): 1153 mg/kg  
Dermal LD50: Not available  
Inhalation LC50: Not available

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**12. ECOLOGICAL INFORMATION**

No data

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DOT Information - 49 CFR 172.101

**DOT Description:**

DISODIUM TRIOXOSILICATE,8,UN3253,III

**Container/Mode:**

55 GAL DRUM/TRUCK PACKAGE

Continued on next page



MATERIAL SAFETY DATA SHEET

Ashland

Page 005  
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MSDS No: 999.0001139-004.004  
PQ

SODIUM METASILICATE PENTAHYD

---

10. STABILITY AND REACTIVITY

**Hazardous Polymerization**

Product will not undergo hazardous polymerization.

**Hazardous Decomposition**

No data

**Chemical Stability**

Stable.

**Incompatibility**

Avoid contact with: acids, aluminum, ammonium salts, lead, tin, water, zinc, Can react with chemically reactive metals, such as aluminum, zinc, magnesium, copper, etc., to release hydrogen gas which can form explosive mixtures with air.

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SODIUM METASILICATE (CAS# 6834-92-0)  
Oral LD50 (rat): 1153 mg/kg  
Dermal LD50: Not available  
Inhalation LC50: Not available

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No data

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**DOT Description:**

DISODIUM TRIOXOSILICATE,8,UN3253,III

**Container/Mode:**

55 GAL DRUM/TRUCK PACKAGE

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MATERIAL SAFETY DATA SHEET

Ashland

Page 005  
Date Prepared: 08/18/04  
Date Printed: 07/01/05  
MSDS No: 999.0001139-004.004  
PQ

SODIUM METASILICATE PENTAHYD

---

10. STABILITY AND REACTIVITY

**Hazardous Polymerization**

Product will not undergo hazardous polymerization.

**Hazardous Decomposition**

No data

**Chemical Stability**

Stable.

**Incompatibility**

Avoid contact with: acids, aluminum, ammonium salts, lead, tin, water, zinc, copper, etc., to release hydrogen gas which can form explosive mixtures with air.

---

11. TOXICOLOGICAL INFORMATION

This mixture has not been specifically tested.

**LD 50 and LC 50 Data**

SODIUM METASILICATE (CAS# 6834-92-0)  
Oral LD50 (rat): 1153 mg/kg  
Dermal LD50: Not available  
Inhalation LC50: Not available

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12. ECOLOGICAL INFORMATION

No data

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**DOT Description:**  
DISODIUM TRIOXOSILICATE,8,UN3253,III

**Container/Mode:**

55 GAL DRUM/TRUCK PACKAGE

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MATERIAL SAFETY DATA SHEET

Ashland

Page 005  
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PQ

SODIUM METASILICATE PENTAHYD

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**Hazardous Polymerization**

Product will not undergo hazardous polymerization.

**Hazardous Decomposition**

No data

**Chemical Stability**

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**Incompatibility**

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This mixture has not been specifically tested.

**LD 50 and LC 50 Data**

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Oral LD50 (rat): 1153 mg/kg  
Dermal LD50: Not available  
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No data

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55 GAL DRUM/TRUCK PACKAGE

Continued on next page

MATERIAL SAFETY DATA SHEET

Ashland

Page 007  
Date Prepared: 08/18/04  
Date Printed: 07/01/05  
MSDS No: 999.0001139-004.004  
PQ

SODIUM METASILICATE PENTAHYD

---

16. OTHER INFORMATION

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.

MATERIAL SAFETY DATA SHEET

Ashland

Page 007  
Date Prepared: 08/18/04  
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SODIUM METASILICATE PENTAHYD

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## BUSINESS ACTIVITIES

FACILITY IDENTIFICATION

FACILITY ID#	3	0	0	3	5							1. EPA ID # (Hazardous Waste Only)
												N/A

**BUSINESS NAME** (Same as FACILITY NAME or DBA-Doing Business As)

HOME and Body CO

IF ACTIVITIES DECLARATION

NOTE: If you check YES to any part of this list, please submit the Business Owner/Operator Identification page.

Does your facility...	If Yes, please complete these pages of the UPCF...		
<b>A. HAZARDOUS MATERIALS</b>			
<p>Have on site (for any purpose) hazardous materials at or above 55 gallons for liquids, 500 pounds for solids, or 200 cubic feet for compressed gases (include liquids in ASTs and USTs); or the applicable Federal threshold quantity for an extremely hazardous substance specified in 40 CFR Part 355, Appendix A or B; or handle radiological materials in quantities for which an emergency plan is required pursuant to 10 CFR Parts 30, 40 or 70?</p>	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	<p>4. ✓ HAZARDOUS MATERIALS INVENTORY - CHEMICAL DESCRIPTION (Form 3)</p>
<b>B. UNDERGROUND STORAGE TANKS (USTs)</b>			
<p>1. Own or operate underground storage tanks?</p>	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	<p>5. ✓ UST FACILITY (Formerly SWRCB Form A)</p> <p>✓ UST TANK (one page per tank) (Formerly Form B)</p>
<p>2. Intent to upgrade existing or install new USTs?</p>	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	<p>6. ✓ UST FACILITY</p> <p>✓ UST TANK (one per tank)</p> <p>✓ UST INSTALLATION - CERTIFICATE OF COMPLIANCE (one page per tank) (Formerly Form C)</p>
<p>3. Need to report closing a UST?</p>	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	<p>7. ✓ UST TANK (closure portion-one page per tank)</p>
<b>C. ABOVE GROUND PETROLEUM STORAGE TANKS (ASTs)</b>			
<p>Own or operate ASTs above these thresholds:</p> <ul style="list-style-type: none"> <li>- any tank capacity is greater than 660 gallons, or</li> <li>- the total aggregate capacity for the entire facility (ASTs, drums and portable containers) greater than 1,320 gallons?</li> </ul>	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	<p>8. ✓ NO FORM REQUIRED TO CUPAS</p>
<b>D. HAZARDOUS WASTE</b>			
<p>1. Generate hazardous waste?</p>	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	<p>9. ✓ EPA ID NUMBER - provide at the top of this page</p>
<p>2. Recycle more than 100 kg/month of excluded or exempted recyclable materials (per HSC §25143.2)?</p>	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	<p>10. ✓ RECYCLABLE MATERIALS REPORT (one per recycler)</p>
<p>3. Treat hazardous waste on site?</p>	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	<p>11. ✓ ONSITE HAZARDOUS WASTE TREATMENT - FACILITY (Formerly DTSC Forms 1772)</p> <p>✓ ONSITE HAZARDOUS WASTE TREATMENT - UNIT (one page per unit) (Formerly DTSC Forms 1772A,B,C,D and L)</p>
<p>4. Treatment subject to financial assurance requirements (for Permit by Rule and Condition Authorization)?</p>	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	<p>12. ✓ CERTIFICATION OF FINANCIAL ASSURANCE (Formerly DTSC Form 1232)</p>
<p>5. Consolidate hazardous waste generated at a remove site?</p>	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	<p>13. ✓ REMOTE WASTE/CONSOLIDATION SITE ANNUAL NOTIFICATION (Formerly DTSC Form 1196)</p>
<p>6. Need to report the closure/removal of a tank that was classified waste and cleaned onsite?</p>	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	<p>14. ✓ HAZARDOUS WASTE TANK CLOSURE CERTIFICATION (Formerly DTSC Form 1249)</p>
<b>E. LOCAL REQUIREMENTS</b>			
<p>Cal-ARP: California Accidental Release Prevention Program H&amp;SC Chapter 6.95, Article 2, §25531 et seq</p> <p>--- Stationary Source with more than a Threshold Quantity of a Regulated Substance in a Process</p>	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	<p>15. ✓ REGULATED SUBSTANCE REPORTING FORM (Orange County CUPA)</p>

# GARDEN GROVE



## FIRE DEPARTMENT

### HAZARDOUS MATERIALS DISCLOSURE PROGRAM

#### REPORTING FORMS PACKET: PART 2

#### BUSINESS EMERGENCY PLAN SHORT VERSION

THE FOLLOWING FORMS ARE FOR USE IN THE EVENT OF AN  
ACTUAL OR THREATENING HAZARDOUS MATERIALS EMERGENCY.

FILL THESE FORMS OUT COMPLETELY AND BE READY TO  
HAND THEM TO THE FIRE DEPARTMENT PERSONNEL WHEN  
THEY ARRIVE AT THE EMERGENCY SCENE.

IN THE EVENT OF AN EMERGENCY,

CALL 911

# GARDEN GROVE FIRE DEPARTMENT HAZARDOUS MATERIALS DISCLOSURE PROGRAM

## *BUSINESS EMERGENCY PLAN*

All businesses using, handling or storing hazardous materials that are required to disclose must complete a Business Emergency Plan. The occupancy groups listed below will be permitted to complete a short version of the business plan. The completion of the short form shall be considered the application required in the Health and Safety Code, Title 20, Chapter 6.95, Section 25503.5.

The Chief of the Garden Grove Fire Department in the role of the Administering Agency, allows the following types of businesses to file the short version of the Business Emergency Plan.

1. Gasoline/Diesel service stations. S-3 occupancies.
2. Repair Garages. H-4 occupancies.
3. Dry Cleaners
4. Businesses, at the Fire Chief's discretion, with less than 10 employees and using materials that are not considered highly or acutely toxic.

The Fire Chief exempts the following portions from the business plan. These exemptions have been established because the materials used in the above-mentioned occupancies are common knowledge to first responding units. The materials pose no significant, unexpected hazard nor do they affect the ability of the administering agency to effectively respond to their release of a hazardous material, and that there are unusual circumstances justifying this exemption.

### Exemptions

1. Detailed evacuation plans.
2. Detailed key employee responsibilities.
3. Training outline.
4. Detailed prevention outline.

The following Short Business Emergency Plan must be completed in order for the exemption to be granted.

GARDEN GROVE FIRE DEPARTMENT  
HAZARDOUS MATERIALS DISCLOSURE PROGRAM

*BUSINESS EMERGENCY PLAN*

Personnel Emergency Notifications and Responsibilities

Employee Evacuation and Staging Areas:

1. The type of alarm signal that will be used to initiate an evacuation at the facility: (vocal, paging system, manual alarm, etc.)

VOCAL

2. All employees shall be trained to evacuate the facility through at least one exit. Alternate exit routes shall be designated if available.
3. Staging areas shall be designated for all employees. Staging areas will be the location that all employees shall report to in the event of an emergency.

One person shall be designated to account for all personnel at the staging area. That person will be responsible for meeting the incoming Fire units and reporting the conditions known about the incident.

The Staging area is at the following location as shown on your site plan map.

FRONT OF PARKING LOT

Employee Responsibilities:

At least one employee shall be responsible for the following minimum requirements in the event of an emergency response by the Fire Department.

1. Notify employees. Initiate evacuation procedures.
2. Notify the Garden Grove Fire Department. Dial 911
3. Try to identify the nature of the incident.
4. Report to the staging area and account for evacuated employees.
5. Report to the incoming fire units.
6. Activate any emergency mitigation procedures that are available at your business. (List below any mitigation procedures specific to your business, if any.)

NET DRX VAE AND ABSORBANT

# GARDEN GROVE FIRE DEPARTMENT HAZARDOUS MATERIALS DISCLOSURE PROGRAM

## *BUSINESS EMERGENCY PLAN*

### Personnel Emergency Notifications and Responsibilities

#### Training Requirements

State law requires training of employees where the business uses, handles or stores hazardous materials.

Employee training provided on:

- Appointment of person/persons on site who are trained in key role positions. Emergency coordinator, evacuation coordinators, staging area supervisors and documenting officers.
- Procedures to follow during a release or threatened release of a hazardous material (evacuation to staging areas).
- Information contained in material safety data sheets.
- Warning labels/placards.
- Safe work practices.
- Use of on site emergency equipment and supplies.
- Use and location of personal protective equipment.
- Any chemical, hazardous material or substance that could be encountered in his/her work area.
- On-site alarm system for evacuation.
- Discuss possible release of hazardous materials scenario.

#### Emergency Notifications

A handler of hazardous materials is required to immediately report any release or threatened release of hazardous materials to the Garden Grove Fire Department. Failure to do so may result in criminal and/or civil prosecution.

#### Required Notifications

In the event of a release or threatened release of hazardous materials, it is state law to notify each of the following agencies:

#### Agency

#### Phone Numbers

Garden Grove Fire Department, Police,  
Paramedics

911  
(800) 852-7550 OR (916) 427-4341  
(800) 424-8802

Office of Emergency Services (OES)  
National Response Center

GARDEN GROVE FIRE DEPARTMENT  
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*BUSINESS EMERGENCY PLAN*

Personnel Emergency Notifications and Responsibilities

Prevention

All materials are stored, used and handled within the guidelines of the Uniform Fire Code, N.F.P.A. standards, California Administrative Code, Titles 19 and 20.

This section is meant to initiate a Prevention Plan at your business and to assist in preventing a release, or threatened release, of a hazardous material. In the spaces provided, place a checkmark by the preventive actions which have been initiated by your business to abate hazards relating to hazardous material handling, use of storage.

Consideration shall include:

1. Drum storage and/or above ground tank storage areas:
  - a  Isolation and separation of incompatible materials
  - b  Diking areas to contain spills
  - c  Storage on paved ground
  
2. Compressed and/or cryogenic gas storage areas:
  - a  Cylinders stored upright and secured
  - b  Isolation and/or separation of incompatible cylinders (oxygen and flammable gases, etc.)
  
3. General:
  - a  Safe work practices are exercised in daily routines.
  - b  Employees who handle hazardous materials are properly trained.
  - c  Material Safety Data Sheets (MSDS) readily available for each hazardous material on the premises.
  - d  Labeling of all materials and storage areas with the product name and hazards associated with the product (drums, piping, tanks, etc.)
  - e  Uniform Fire Code (UFC) requires separation between outside hazardous material storage area or tanks and combustible materials (wood, bush, etc.)
  - f  Posting of "No Smoking" signs where appropriate.

# GARDEN GROVE FIRE DEPARTMENT

## BUSINESS EMERGENCY PLAN

A BUSINESS IS REQUIRED BY LAW TO NOTIFY THE GARDEN GROVE FIRE DEPARTMENT WITHIN 30 DAYS OF ANY OF THE FOLLOWING EVENTS:

1. Change of business address.
2. Change of business ownership
3. Change of business name
4. Cessation of business operation (quitting business)
5. Use or handling of a previously undisclosed hazardous material
6. A 100% increase in the quantity of a previously disclosed hazardous material

Your business is required by State law to retain a copy of this entire Business Plan, chemical inventory, material safety data sheets and site maps, for review by Fire Department personnel. State where your disclosure and Emergency Business Plan will be kept.

IN OFFICE AREA

Show location on site map also using symbol in the legend.

Note: A fee is charged for a replacement copy from the Garden Grove Fire Department.

I CERTIFY, UNDER PENALTY OF PERJURY, THAT THE ENCLOSED INFORMATION IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.

SIGNATURE: X [Signature]  
NAME: X HABIB HASSAD  
TITLE: X GENERAL MANAGER  
DATE: X 10/04/2005

Home & Body  
Company

**FIRE DEPARTMENT BUSINESS  
EMERGENCY PLAN  
SHORT VERSION**

**FOLLOWING FORMS ARE FOR USE IN THE EVENT OF AN ACTUAL OR THREATENING HAZARDOUS  
MATERIAL EMERGENCY.**

**IN EVENT OF AN EMERGENCY,  
CALL 911**

**Agency :**

**Garden Grove Fire Department, Police Paramedics 911  
Office of Emergency Services (OES) 800-852-7550 or 916-427-4341  
National Response Control 800-424-8802**



## **EMERGENCY ESCAPE PROCEDURE IN CASE OF FIRE OR EMERGENCY**

- 1.) In case of fire or emergency, employee should notify front office.**
- 2.) The front office should notify all employees to evacuate vocally; we will be installing a paging system in the future.**
- 3.) Front office staff should call 911 immediately, give exact address and location, and evacuate immediately to the parking lot-(front of building).**
- 4.) All employees should evacuate-do not assume that it is a drill. It is your responsibility to familiarize yourself with all exits. Please see location of all exits on the map located on the walls.**
- 5.) Always exit through the nearest doors.**
- 6.) All employees must report to staging area.**
- 7.) Emergency response team should account for all evacuated employees (Nadine Marcos).**
- 8.) If you have any questions or for further information or explanation of duties under this plan, please contact the General Manager (Hazem).**

**Do not endanger yourself or other personal safety of primary importance.**

**For emergency escape route please refer to diagram posted**

**Through out the plant to locate exit and assigned emergency route.**

**EMPLOYEE MUST PARTICIPATE WITH DRILLS TO ENSURE PROPER  
EVACUATION PROCEDURE.**

## **Employee Responsibilities:**

- **Hazem Haddad- General Manager**
- **Nadine Haddad- Chemist. Responsible to initiate evacuation procedure, call 911, try to identify nature of incident report to the staging area and accounting for evacuated employees.**
- **Marcos Morales- Plant Manager. When chemist is absent, plant manager is responsible to perform all necessary tasks.**

## **List of Employees:**

- 1. Hazem Haddad- Full time – General Manager**
- 2. Nadine Haddad- Full time- Chemist**
- 3. Marcos Morales- Full time- Plant Manager**
- 4. Omar Vega- Full time-Warehouse**
- 5. Kim Edwards- Part time-Accounting**
- 6. Juana Huesca- Part time-Warehouse**
- 7. Leonor Perez- Part time-Warehouse**
- 8. Maggie Delgado- Part time-Warehouse**

## **Fire prevention plan**

- 1. Training on How to identify potential fire hazard?**
- 2. Proper handling and product storage procedure**
- 3. No smoking policy**
- 4. Availability and location of fire extinguisher and training how to use them.**
- 5. Availability and location of sprinkling system.**
- 6. Company electrician is responsible for maintaining of equipment and system.**
- 7. General Manager is responsible for the control of the accumulation of all flammable and combustible material.**
- 8. It is the batch maker responsibility to upkeep the housekeeping of all chemicals.**
- 9. The importance of good housekeeping ties in closely with fire prevention.**
- 9. All materials must be stored, used and handle properly.**
- 10. All containers should be properly labeled with the product name and hazards associated with the product it contains.**
- 11. All containers should be closed at any time not in use.**
- 12. All incompatible materials should be isolated.**
- 13. Material Safety Data Sheets (MSDS) should be available for each hazardous material on premises.**

# **SAFETY TRAINING FORM**

- **Right to know Hazardous communication**

1. Obtained, read and understood MSDS/ Written hazardous program.
2. Obtained list of all chemical in work place
3. Understood how to interpret label on containers.( warning and placards)
4. How to obtain MSDS for each chemical/ finished product.

- **Injury and Illness Prevention Program Policy**

1. No smoking is allowed at any time in the work area.
2. No eating or drinking at any time in the work area.
3. Wash your hand before eating, especially after work.
4. Employees are required to wear specific protective equipment depending on their job requirement.
5. Employee should not perform any electrical repair or wiring.
6. Reporting of accident, exposures and injuries is required.
7. Obtained and understood the IPP written program
8. Discussed safe work habit.
9. Serious measures will be taken in case of violation of the safety rules.
10. Proper clean up of spills
11. Use on site emergency equipment and supplies.
12. Discuss possible release of hazardous materials scenario.
13. Dumping any chemical down the drain or sewers is illegal.
14. Monthly check up/ follow up correction report

- **Responsibility**

15. Marcos is responsible for handling of raw material.

- **Accident and record keeping**

14. In case of accident or injury, it is your I is responsible to notify the management within minutes so the injury is recorded and taken care of
15. Show location of posted hospital/phone #/ information throughout the plant
16. Show location of all eyewash and safety shower throughout the plant.
  - a. Show location of telephone throughout the plant
17. Medical and record keeping

- **Emergency action plan**

18. Obtain and read and understood the disaster contingency plan
19. Read discuss and understood the procedure for the emergency plan.
20. Participated in drills.
21. Show location of all exits.
22. Show location of all fire extinguisher throughout the plant
23. Show all emergency routes.

- **Fire prevention plan**

24. How to identify potential fire hazard?
25. Proper handling and product storage procedure
  - a. No smoking policy
  - b. Availability and location of fire extinguisher and training how to use them.
  - c. Availability and location of sprinkling system.
  - d. Company electrician is responsible for maintaining of equipment and system.
  - e. General Manager is responsible for the control of the accumulation of all flammable and combustible material.
  - f. It is the batch maker responsibility to upkeep the housekeeping of all chemicals.

- **Personnel protective equipment**

- 26. Use and location of personal protective equipment.

- 27. Employees are required to wear specific protective equipment depending on their job requirement task.

- **General housekeeping**

- 28. All employees are responsible to clean their working area properly.

- 29. Make sure that all containers in your area are properly labeled and closed at all times.

- **DOT TRAINING**

- 30. HOW TO SHIP PROPERLY HAZARDOUS MATERIAL.

- **Security plan**

- After 9/11 we realize that certain hazardous materials could pose as security if they were in the wrong hands. HOBACO developed a security plan for the purpose of enhancing the security of hazardous material stored at our facility may pose as security concern. As a consequence, we had elected to take the following action to enhance security to our facility:

- 1. Hazardous material handling (discuss receipt, storage and shipping)
    - 2. Handling of hazardous material (packaging and shipping paper preparation)
    - 3. Potential targets/ potential treats
    - 4. External treats/ internal treats
    - 5. Recognition of national treat level 9 green, blue, yellow, orange and red)
    - 6. Discuss facility security/ authorized access.
    - 7. Report any suspicious act or unauthorized access hazardous materials.
    - 8. Report any unusual behavior
    - 9. Discuss emergency procedure

- I attended listened and understood today's meeting, any questions I might have will be directed to the manager.

- **Written programs that are available in the laboratories:**

- 1. Hazardous communication program
  - 2. Injury Illness Program
  - 3. Security Plan
  - 4. Tag out/ log out procedures
  - 5. Blood borne pathogen
  - 6. Disaster contingency plan and contingency plan
  - 7. Business emergency plan
  - 8. Fire prevention plan

Signature \_\_\_\_\_

Date \_\_\_\_\_

Hoboco form 001