



# CALIFORNIA CHEMICAL INVENTORY FORM DESCRIPTION PAGE

FORM 3

(1)  ADD  DELETE  REVISE

(2) PAGE 1 OF 3

BUSINESS NAME (3) Primal Elements

CHEMICAL LOCATION (4) 12472 Edison Way (5) CONFIDENTIAL LOCATION EPCRA  YES  NO  
South East Quadrant Center

MAP# (if more than one) (6) \_\_\_\_\_ GRID# (FROM MAP) (7) F-6

CHEMICAL NAME (8) Corona Aztec Aqua Cosmetic Pigment TRADE SECRET (11)  YES  NO  
 COMMON NAME (9) Color Pigment AN EHS CHEMICAL (12)  YES  NO  
 CAS# (10) 13463-67-7 13808-38-9  
12001-26-2 14038-43-8 \*IF EHS BOX IS "YES" ALL AMOUNTS MUST BE LBS

FIRE CODE \_\_\_\_\_ HAZARD CLASSES (13) Solid (36) FACILITY ID# 30035 4111

TYPE (14)  PURE  MIXTURE  WASTE RADIOACTIVE (15)  YES  NO CURIES \_\_\_\_\_

PHYSICAL STATE (17)  SOLID  LIQUID  GAS LARGEST CONTAINER (21) 55 lbs

FED HAZARD CATEGORIES (18)  FIRE  REACTIVE  PRESSURE RELEASE  ACUTE HEALTH  CHRONIC HEALTH

STATE WASTE CODE (19) \_\_\_\_\_ UNITS (22)  GAL  CU FT  LBS  TONS MAX DAILY AMT (23) 55

DAYS ON SITE (20) 365 \*If EHS, amounts must be in lbs. AVG DAILY AMT (24) 40

ANNUAL WASTE AMT (25) \_\_\_\_\_

STORAGE CONTAINER (26)  ABOVE GROUND TANK  CAN  BOX(S)  TANK WAGON  
 UNDER GROUND TANK  CARBOY  CYLINDER  RAIL CAR  
 TANK INSIDE BUILDING  SILO  GLASS CONTAINER  TOTE BIN  
 STEEL DRUM  FIBER DRUM  PLASTIC CONTAINER  Other  
 PLASTIC/NONMETALLIC DRUM  BAG(S)  IN MACHINERY OR EQUIP.

PRESSURE STORAGE (27)  AMBIENT  ABOVE AMBIENT  BELOW AMBIENT

STORAGE TEMPERATURE (28)  AMBIENT  ABOVE AMBIENT  BELOW AMBIENT  CRYOGENIC

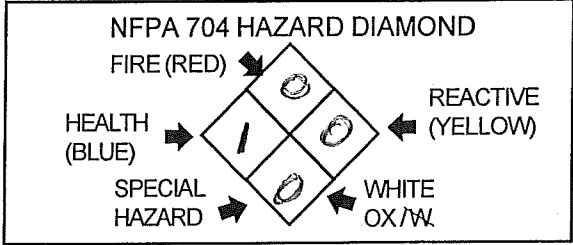
(29) % WT	(30) HAZARDOUS COMPONENTS	(31) EHS	(32) CAS#
(1) <u>53-57</u>	<u>Titanium Dioxide</u>	<input type="checkbox"/> YES <input type="checkbox"/> NO	<u>13463-67-7</u>
(2) <u>29-39</u>	<u>Mica</u>	<input type="checkbox"/> YES <input type="checkbox"/> NO	<u>12001-26-2</u>
(3) <u>7-11</u>	<u>Chromium oxide</u>	<input type="checkbox"/> YES <input type="checkbox"/> NO	<u>1308-38-9</u>
(4) <u>1-3</u>	<u>Ferric Ferrocyanide</u>	<input type="checkbox"/> YES <input type="checkbox"/> NO	<u>14038-43-8</u>
(5)		<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.

(33) NFPA CLASSIFICATION

UNDOT# un regulated  
 Refer to shipping papers or MSDS

DOT HAZARD CLASS \_\_\_\_\_  
 Refer to shipping papers or MSDS



(34) EPCRA  YES  NO

X \_\_\_\_\_  
 (35) If EPCRA, Please Sign Here

MAKE AS MANY COPIES OF CHEMICAL INVENTORY FORM AS NEEDED



# Material Safety Data Sheet

## Section 1. Product and Company Identification

<b>Product Name</b>	<b>Colorona® Aztec Aqua Cosmetic Pigment</b>	<b>Product Code</b>	017486
<b>Manufacturer</b>	RONA EM Industries, Inc. Chemicals & Pigments Division 7 Skyline Drive Hawthorne, NY 10532	<b>Effective Date</b>	9/4/2001
		<b>Print Date</b>	11/9/2001
<b>For More Information Call</b> (914) 592-4660 M-F, 9AM-4:30 PM EST		<b>In Case of Emergency Call</b> 800-424-9300 CHEMTREC (USA) 613-996-6666 CANUTEC (Canada) 24 Hours/Day: 7 Days/Week	
<b>Material Uses</b>	Pigments.		
<b>Chemical Family</b>	Inorganic pigment.		

## Section 2. Composition and Information on Ingredients

Component	CAS #	% by Weight
1) TITANIUM DIOXIDE	13463-67-7	53-57
2) MICA	12001-26-2	29-39
3) CHROMIUM OXIDE	1308-38-9	7-11
4) FERRIC FERROCYANIDE	14038-43-8	1-3

## Section 3. Hazards Identification

<b>Physical State and Appearance</b>	Solid. (Blue-green, lustrous, odorless powder)
<b>Emergency Overview</b>	MAY CAUSE RESPIRATORY TRACT, EYE AND SKIN IRRITATION.
<b>Routes of Entry</b>	Eye contact. Inhalation. Ingestion(not anticipated).
<b>Potential Acute Health Effects</b>	<p><i>Eyes</i> May cause eye irritation. Symptoms include: Itching and redness after contact.</p> <p><i>Skin</i> May cause mild skin irritation. Symptoms include: Itching and redness after contact.</p> <p><i>Inhalation</i> May cause respiratory tract irritation. Symptoms include: Coughing, wheezing or shortness of breath when inhaled.</p> <p><i>Ingestion</i> Not an intended route of exposure. Hazardous in case of ingestion. Symptoms include gastrointestinal tract upset and diarrhea.</p>
<b>Potential Chronic Health Effects</b>	Additional information See Toxicological Information (section 11)
<b>Medical Conditions Aggravated by Overexposure:</b>	Repeated or prolonged inhalation of any dust particulate may aggravate respiratory medical conditions.

Continued on Next Page

**Protective Clothing  
(Pictograms)**



**Personal Protection in  
Case of a Large Spill**

Splash goggles. Synthetic apron. Gloves. Wear MSHA/NIOSH approved self-contained breathing apparatus or equivalent and full protective gear.

**Product Name**

**Exposure Limits**

1) TITANIUM DIOXIDE

**ACGIH (United States, 1996).**

TWA: 10 mg/m<sup>3</sup>

**OSHA Final Rule (United States, 1989).**

TWA: 10 mg/m<sup>3</sup> Form: Total dust

2) MICA

**ACGIH (United States, 1994).**

TWA: 3 mg/m<sup>3</sup>

**OSHA (United States, 1989). Notes: Respirable**

TWA: 3 mg/m<sup>3</sup>

**ACGIH (United States, 1994).**

TWA: 3 mg/m<sup>3</sup>

**NIOSH REL (United States, 1994).**

TWA: 3 mg/m<sup>3</sup> Period: 10 hour(s). Form: Respirable fraction

**OSHA Final Rule (United States, 1989).**

TWA: 3 mg/m<sup>3</sup> Form: Respirable dust

3) CHROMIUM OXIDE

**ACGIH (United States, 1994).**

TWA: 0.5 mg/m<sup>3</sup> Form: Inorganic

**OSHA Final Rule (United States, 1989).**

TWA: 1 mg/m<sup>3</sup>

4) FERRIC FERROCYANIDE

**ACGIH (United States, 1994).**

TWA: 1 mg/m<sup>3</sup>

**Section 9. Physical and Chemical Properties**

Odor	Odorless.
Color	Blue-green
Physical State and Appearance	Solid. (Blue-green, lustrous, odorless powder)
Molecular Weight	Mixture.
Molecular Formula	Not applicable.
pH	3 to 6
Melting/Freezing Point	>1000°C (1832°F)
Specific Gravity	Not applicable.
Density	Bulk density 5.8 to 6.8 g/in <sup>3</sup>
Solubility	Insoluble in water.

**Section 14. Transport Information**

<b>DOT Classification</b>	Not regulated.
<b>TDG Classification</b>	Not regulated.
<b>IMO/IMDG Classification</b>	Not regulated.
<b>ICAO/IATA Classification</b>	Not regulated.

**Section 15. Regulatory Information**

**U.S. Federal Regulations** TSCA 8(b) inventory: TITANIUM DIOXIDE; MICA; CHROMIUM OXIDE; FERRIC FERROCYANIDE  
 SARA 302/304/311/312 extremely hazardous substances: No products were found.  
 SARA 302/304 emergency planning and notification: No products were found.  
 SARA 302/304/311/312 hazardous chemicals: TITANIUM DIOXIDE; MICA; CHROMIUM OXIDE  
 SARA 311/312 MSDS distribution - chemical inventory - hazard identification: TITANIUM DIOXIDE: Immediate (Acute) Health Hazard; MICA: Immediate (Acute) Health Hazard; CHROMIUM OXIDE: Delayed (Chronic) Health Hazard  
 SARA 313 toxic chemical notification and release reporting: CHROMIUM OXIDE 9%  
 Clean Water Act (CWA) 307: CHROMIUM OXIDE  
 Clean Water Act (CWA) 311: No products were found.  
 Clean air act (CAA) 112 accidental release prevention: No products were found.  
 Clean air act (CAA) 112 regulated flammable substances: No products were found.  
 Clean air act (CAA) 112 regulated toxic substances: No products were found.

**WHMIS (Canada)** Not controlled under WHMIS (Canada).  
 CEPA DSL: TITANIUM DIOXIDE; MICA; CHROMIUM OXIDE; FERRIC FERROCYANIDE

**International Regulations**

<b>EINECS</b>	TITANIUM DIOXIDE	236-675-5
	MICA 3101276	
	CHROMIUM OXIDE	215-160-9
	FERRIC FERROCYANIDE	237-875-5

**DSCL (EEC)** R36/37/38- Irritating to eyes, respiratory system and skin.

**International Lists** Australia (NICNAS): TITANIUM DIOXIDE; MICA; CHROMIUM OXIDE; FERRIC FERROCYANIDE  
 Korea (TCCL): TITANIUM DIOXIDE; MICA; CHROMIUM OXIDE; FERRIC FERROCYANIDE  
 Philippines (RA6969): TITANIUM DIOXIDE; MICA; CHROMIUM OXIDE; FERRIC FERROCYANIDE

**State Regulations** Pennsylvania RTK: TITANIUM DIOXIDE: (generic environmental hazard); CHROMIUM OXIDE: (environmental hazard, generic environmental hazard); FERRIC FERROCYANIDE: (environmental hazard, generic environmental hazard)  
 Massachusetts RTK: TITANIUM DIOXIDE; MICA; CHROMIUM OXIDE  
 New Jersey: TITANIUM DIOXIDE; MICA; CHROMIUM OXIDE



11/9/2001

PRIMAL ELEMENTS  
ATTN: FRANK ASBURY  
12472 EDISON WAY

GARDEN GROVE CA 92841  
UNITED STATES

Dear Customer:

Our safety documents are updated as often as new data is available; you will find, enclosed, the latest versions of our safety documents for the products purchased. Please replace the old versions with the ones enclosed.

You should provide these documents to your employees using the products. These documents should be made available to anyone taking part in health and safety activities related to these products.

Here is the list of the new safety documents affected:

**Supplier's information**

Customer ID	IP000552027
Company	020
Warehouse	GIB
Plant No.	SAV

**Shipment information**

EM Order No.	449341
Customer PO No.	S-4935
Part Number	017486ST
Description	COLORONA AZTEC AQUA
Lot Number	TC50110

Yours sincerely,

EM Industries, Inc.  
7 Skyline Drive  
Hawthorne, NY 10532

Enc.



# CALIFORNIA CHEMICAL INVENTORY FORM DESCRIPTION PAGE

FORM 3

(1)  ADD  DELETE  REVISE

(2) PAGE \_\_\_\_\_ OF \_\_\_\_\_

BUSINESS NAME (3)	<i>Primal Elements</i>		
CHEMICAL LOCATION (4) (Address, Area, Building, etc.)	<i>12472 Edison Way South East Quadrant Center</i>		(5) CONFIDENTIAL LOCATION EPCRA <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
MAP # (if more than one) (6)		GRID # (FROM MAP) (7)	<i>10-0K-1</i>

CHEMICAL NAME (8)	<i>Isopropyl Alcohol</i>		TRADE SECRET (11) <input type="checkbox"/> YES <input type="checkbox"/> NO
COMMON NAME (9)	<i>Alcohol</i>		*IF EPCRA SEE INSTRUCTIONS
CAS # (10)			AN EHS CHEMICAL (12) <input type="checkbox"/> YES <input type="checkbox"/> NO
FIRE CODE HAZARD CLASSES (13)	<i>Flammable Liquid</i>		*IF EHS BOX IS "YES" ALL AMOUNTS MUST BE LBS
	(36) FACILITY ID #	<i>300035</i>	<i>411</i>

TYPE (14)	<input checked="" type="checkbox"/> PURE <input type="checkbox"/> MIXTURE <input type="checkbox"/> WASTE	RADIOACTIVE (15)	<input type="checkbox"/> YES <input type="checkbox"/> NO CURIES
PHYSICAL STATE (17)	<input type="checkbox"/> SOLID <input checked="" type="checkbox"/> LIQUID <input type="checkbox"/> GAS	LARGEST CONTAINER (21)	<i>50</i>
FED HAZARD CATEGORIES (18)	<input checked="" type="checkbox"/> FIRE <input type="checkbox"/> REACTIVE <input type="checkbox"/> PRESSURE RELEASE <input type="checkbox"/> ACUTE HEALTH <input type="checkbox"/> CHRONIC HEALTH		
STATE WASTE CODE (19)	<i>-</i>	UNITS (22)	<input checked="" type="checkbox"/> GAL <input type="checkbox"/> CUFT <input type="checkbox"/> LBS <input type="checkbox"/> TONS
DAYS ON SITE (20)	<i>365</i>	*If EHS, amounts must be in lbs.	MAX DAILY AMT (23) <i>5062</i> AVG DAILY AMT (24) <i>40</i> ANNUAL WASTE AMT (25) <i>-</i>

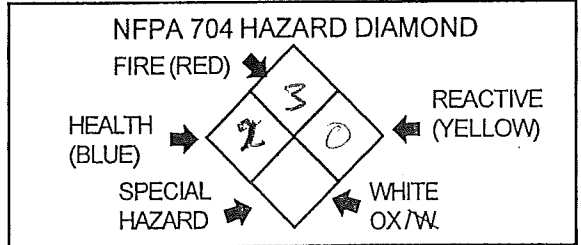
STORAGE CONTAINER (26)	<input type="checkbox"/> ABOVE GROUND TANK <input type="checkbox"/> CAN <input type="checkbox"/> BOX(S) <input type="checkbox"/> TANK WAGON <input type="checkbox"/> UNDER GROUND TANK <input type="checkbox"/> CARBOY <input type="checkbox"/> CYLINDER <input type="checkbox"/> RAIL CAR <input type="checkbox"/> TANK INSIDE BUILDING <input type="checkbox"/> SILO <input type="checkbox"/> GLASS CONTAINER <input type="checkbox"/> TOTE BIN <input checked="" type="checkbox"/> STEEL DRUM <input type="checkbox"/> FIBER DRUM <input type="checkbox"/> PLASTIC CONTAINER <input type="checkbox"/> Other <input type="checkbox"/> PLASTIC/NONMETALLIC DRUM <input type="checkbox"/> BAG(S) <input type="checkbox"/> IN MACHINERY OR EQUIP.			
PRESSURE STORAGE (27)	<input checked="" type="checkbox"/> AMBIENT <input type="checkbox"/> ABOVE AMBIENT <input type="checkbox"/> BELOW AMBIENT			
STORAGE TEMPERATURE (28)	<input checked="" type="checkbox"/> AMBIENT <input type="checkbox"/> ABOVE AMBIENT <input type="checkbox"/> BELOW AMBIENT <input type="checkbox"/> CRYOGENIC			

(29) % WT	(30) HAZARDOUS COMPONENTS	(31) EHS	(32) CAS #
(1) <i>99.11</i>	<i>Isopropyl Alcohol</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO	<i>67-63-0</i>
(2)		<input type="checkbox"/> YES <input type="checkbox"/> NO	
(3)		<input type="checkbox"/> YES <input type="checkbox"/> NO	
(4)		<input type="checkbox"/> YES <input type="checkbox"/> NO	
(5)		<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.

### (33) NFPA CLASSIFICATION

UN/ DOT # <i>1219</i>	Refer to shipping papers or MSDS
DOT HAZARD CLASS <i>3</i>	Refer to shipping papers or MSDS



(34) EPCRA  YES  NO

X \_\_\_\_\_  
(35) If EPCRA, Please Sign Here

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UNION CARBIDE CORPORATION  
**MATERIAL SAFETY DATA SHEET**



Product Name: ISOPROPANOL ANHYDROUS  
MSDS#: 1194

Effective Date: 04/10/2000  
Page 1 of 15

Union Carbide urges each customer or recipient of this MSDS to study it carefully to become aware of and understand the hazards associated with the product. The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology, and fire prevention, as necessary or appropriate to use and understand the data contained in this MSDS.

To promote safe handling, each customer or recipient should: 1) Notify its employees, agents, contractors and others whom it knows or believes will use this material of the information in this MSDS and any other information regarding hazards or safety; 2) Furnish this same information to each of its customers for the product; and 3) Request its customers to notify their employees, customers, and other users of the product of this information.

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

### 1.1 IDENTIFICATION

Product Name	ISOPROPANOL ANHYDROUS
Chemical Name	Isopropyl Alcohol
Chemical Family	Alcohols
Formula	(CH <sub>3</sub> ) <sub>2</sub> CHOH
Synonym	ISOPROPANOL, ANHYDROUS, USP, ISOPROPANOL, ANHYDROUS SEMI-CONDUCTOR GRADE, dimethyl carbinol, 2-Propanol

### 1.2 COMPANY IDENTIFICATION

Union Carbide Corporation  
39 Old Ridgebury Road  
Danbury, CT 06817-0001

### 1.3 EMERGENCY TELEPHONE NUMBER

**24 hours a day: 1-800-UCC-HELP (1-304-744-3487)**  
Number for non-emergency questions concerning MSDS (732) 563-5522  
Additional information on this product may be obtained by calling the Union Carbide Corporation Customer Service Center at 1-800-568-4000.

## MATERIAL SAFETY DATA SHEET

Product Name: ISOPROPANOL ANHYDROUS  
MSDS#: 1194

Effective Date: 04/10/2000  
Page 2 of 15

### 2. COMPOSITION INFORMATION

Component	CAS #	Amount (%W/W)
Isopropanol	67-63-0	<= 99.11%

### 3. HAZARDS IDENTIFICATION

#### 3.1 EMERGENCY OVERVIEW

**Appearance** Transparent colorless

**Physical State** Liquid

**Odor** Slight ethanol/acetone-like

**Hazards of product** WARNING! FLAMMABLE.  
CAUSES EYE IRRITATION.  
MAY CAUSE DIZZINESS AND DROWSINESS.

#### 3.2 POTENTIAL HEALTH EFFECTS

##### Effects of Single Acute Overexposure

**Inhalation** High concentrations of vapor may cause central nervous system depression, with weakness, drowsiness, and loss of consciousness. Vapor causes irritation of the respiratory tract, with coughing and chest discomfort.

**Eye Contact** Causes irritation, experienced as stinging and discomfort or pain. Corneal injury may occur.

**Skin Contact** May cause minor irritation with itching and possible slight local redness. Prolonged or repeated contact may cause defatting and drying of the skin.



## MATERIAL SAFETY DATA SHEET

Product Name: ISOPROPANOL ANHYDROUS  
MSDS#: 1194

Effective Date: 04/10/2000  
Page 3 of 15

**Skin Absorption** Exposure to small quantities is not expected to cause adverse health effects. Widespread or prolonged exposure may result in the absorption of harmful amounts of material, particularly in infants, leading to signs and symptoms as described for swallowing.

**Swallowing** Slightly toxic. May cause dizziness, faintness, drowsiness, decreased awareness and responsiveness, lack of coordination, abdominal discomfort, nausea, vomiting and diarrhea.

### Chronic, Prolonged or Repeated Overexposure

**Effects of Repeated Overexposure** Prolonged or repeated skin exposure may cause defatting of the skin.

**Other Effects of Overexposure** None currently known.

### Medical Conditions Aggravated by Exposure

Skin contact may aggravate an existing dermatitis.

### 3.3 POTENTIAL ENVIRONMENTAL EFFECTS

See Section 12 for Ecological Information.

## 4. FIRST AID PROCEDURES

### 4.1 INHALATION

Remove to fresh air. Give artificial respiration if not breathing. If breathing is difficult, oxygen may be given by qualified personnel. Obtain medical attention.

### 4.2 EYE CONTACT

Immediately flush eyes with water and continue washing for several minutes. Remove contact lenses, if worn. Obtain medical attention.

### 4.3 SKIN CONTACT

Remove contaminated clothing. Wash skin with soap and water. If irritation persists or if contact has been prolonged, obtain medical attention.

### 4.4 SWALLOWING

If patient is fully conscious, give two glasses of water. Induce vomiting. This should be done only by medical or experienced first-aid personnel. Obtain medical attention.

### 4.5 NOTES TO PHYSICIAN

There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

## MATERIAL SAFETY DATA SHEET

Product Name: ISOPROPANOL ANHYDROUS  
MSDS#: 1194

Effective Date: 04/10/2000  
Page 4 of 15

### 5. FIRE FIGHTING MEASURES

#### 5.1 FLAMMABLE PROPERTIES

Flash Point - Closed Cup: *Tag Closed Cup ASTM D 56* 12 °C 53 °F

Flash Point - Open Cup: *Tag Open Cup ASTM D 1310* 17 °C 63 °F

Autoignition Temperature: *Not currently available.*

#### Flammable Limits In Air:

Lower 2.0 %(V)  
Upper 12.7 %(V) 200 °F

#### 5.2 EXTINGUISHING MEDIA

Extinguish fires with water spray or apply alcohol-type or all-purpose-type foam by manufacturer's recommended techniques for large fires. Use carbon dioxide or dry chemical media for small fires.

#### 5.3 EXTINGUISHING MEDIA TO AVOID

No information currently available.

#### 5.4 SPECIAL FIRE FIGHTING PROCEDURES

Use water spray to cool fire-exposed containers and structures. Use water spray to disperse vapors; re-ignition is possible.

#### 5.5 SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS

Use self-contained breathing apparatus and protective clothing.

#### 5.6 UNUSUAL FIRE AND EXPLOSION HAZARDS

Vapors form from this product and may travel or be moved by air currents and ignited by pilot lights, other flames, smoking, sparks, heaters, electrical equipment, static discharges or other ignition sources at locations distant from product handling point.

Vapors from this material may settle in low or confined areas or travel a long distance to an ignition source and flash back explosively.

Static ignition hazard can result from handling and use. Electrically bond and ground all containers, personnel and equipment before transfer or use of material. Special precautions may be necessary to dissipate static electricity for non-conductive containers. Use proper bonding and grounding during product transfer as described in National Fire Protection Association Document NFPA 77.

Avoid splash filling of containers when handling this flammable liquid because static electricity may be generated. For additional information, please refer to the latest National Paint and Coatings Association's (NPCA) "#803 Scientific Circular Generation and Control of Static Electricity".

See Section 8.3 - Engineering Controls

This material may produce a floating fire hazard.  
Flame may be invisible. Approach fire with caution.

## MATERIAL SAFETY DATA SHEET

Product Name: ISOPROPANOL ANHYDROUS  
MSDS#: 1194

Effective Date: 04/10/2000  
Page 5 of 15

### 5.7 HAZARDOUS COMBUSTION PRODUCTS

Burning can produce the following products: Carbon monoxide and/or carbon dioxide. Carbon monoxide is highly toxic if inhaled. Carbon dioxide in sufficient concentrations can act as an asphyxiant.

## 6. ACCIDENTAL RELEASE MEASURES

### Steps to be taken if Material Is Released or Spilled:

Extinguish and do not turn on any ignition source until the area is determined to be free from fire or explosion hazard. Small spills can be flushed with large amounts of water; larger spills should be collected for disposal.

**Personal Precautions:** Avoid contact with eyes. Wear suitable protective equipment.

## 7. HANDLING AND STORAGE

### 7.1 HANDLING

#### General Handling

Keep away from heat, sparks and flame.

Avoid contact with eyes.

Keep container closed.

Use with adequate ventilation.

Vapor forms from this product and may travel or be moved by air currents and ignited by pilot lights, other flames, smoking, sparks, heaters, electrical equipment, static discharges or other ignition sources at locations distant from product handling point and may flash back explosively.

Wash thoroughly after handling.

FOR INDUSTRY USE ONLY.

#### Ventilation

General (mechanical) room ventilation is expected to be satisfactory where this product is stored and handled in closed equipment. Special, local ventilation is needed at points where vapor can be expected to escape to the workplace air.

#### Other Precautions

Vapor may settle in low or confined areas, or travel a long distance to an ignition source and flash back explosively.

### 7.2 STORAGE

Small quantities of peroxides can form on prolonged storage. Exposure to light and/or air significantly increases the rate of peroxide formation. If evaporated to a residue, the mixture of peroxides and isopropanol may explode when exposed to heat or shock.

## MATERIAL SAFETY DATA SHEET

Product Name: ISOPROPANOL ANHYDROUS  
MSDS#: 1194

Effective Date: 04/10/2000  
Page 6 of 15

### 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

#### 8.1 EXPOSURE LIMITS

Component	Exposure Limits	Skin Form
Isopropanol	400 ppm TWA8 ACGIH 983 mg/m <sup>3</sup> TWA8 ACGIH 1230 mg/m <sup>3</sup> STEL ACGIH 500 ppm STEL ACGIH 400 ppm TWA8 OSHA 980 mg/m <sup>3</sup> TWA8 OSHA	
Isopropanol	1225 mg/m <sup>3</sup> STEL OSHA-Vacated 500 ppm STEL OSHA-Vacated	

*In the Exposure Limits Chart above, if there is no specific qualifier (i.e., Aerosol) listed in the Form Column for a particular limit, the listed limit includes all airborne forms of the substance that can be inhaled.*

*A "Yes" in the Skin Column indicates a potential significant contribution to overall exposure by the cutaneous (skin) route, including mucous membranes and the eyes, either by contact with vapors or by direct skin contact with the substance. A "Blank" in the Skin Column indicates that exposure by the cutaneous (skin) route is not a potential significant contributor to overall exposure.*

#### 8.2 PERSONAL PROTECTION

**Respiratory Protection:** Use self-contained breathing apparatus in high vapor concentrations.

**Ventilation:** General (mechanical) room ventilation is expected to be satisfactory where this product is stored and handled in closed equipment. Special, local ventilation is needed at points where vapor can be expected to escape to the workplace air.

**Eye Protection:** Monogoggles

**Protective Gloves:** Plastic  
Rubber

**Other Protective Equipment:** Eye Bath, Safety Shower



13900 Carmentita Road  
Santa Fe Springs, CA 90670

Tel: (562) 921-2100  
Fax Office: (562) 921-8294

# FAX

PAGE 1 OF 16

TO: BREND S.

DATE: 3/4/02

COMPANY: PRIMAL ELEMENTS

FAX: 714/899-0759

From: Peter Frantz  
Los Angeles Sales Team  
(562) 921-2100 x220

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M.S.D.S. ISOPROPYL ALCOHOL

## MATERIAL SAFETY DATA SHEET

Product Name: ISOPROPANOL ANHYDROUS  
MSDS#: 1194

Effective Date: 04/10/2000  
Page 7 of 15

### 8.3 ENGINEERING CONTROLS

PROCESS HAZARD: Sudden release of hot organic chemical vapor or mists from process equipment operating at elevated temperature and pressure, or sudden ingress of air into hot equipment under a vacuum, may result in ignitions without the presence of obvious ignition sources. Published "autoignition" or "ignition" temperature values cannot be treated as safe operating temperatures in chemical processes without analysis of the actual process conditions. Any use of this product in elevated-temperature processes should be thoroughly evaluated to establish and maintain safe operating conditions. Further information is available in a technical bulletin entitled "Ignition Hazards of Organic Chemical Vapor."

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid

Appearance: Transparent colorless

pH: *Not currently available.*

Solubility In Water (by weight): 20 °C 100 %

Odor: Slight ethanol/acetone-like

Flash Point - Closed Cup: Tag Closed Cup ASTM D 56 12 °C 53 °F

Flash Point - Open Cup: Tag Open Cup ASTM D 1310 17 °C 63 °F

Percent Volatiles: 100 Wt%

Molecular Weight: 60.10 g/mol

Liquid Density: 20 °C 6.5475 g/cm<sup>3</sup>

Boiling Point (760 mmHg): 82.3 °C 180.1 °F

Freezing Point: -89 °C -127 °F

Specific Gravity (H<sub>2</sub>O = 1): 0.787 20 °C / 20 °C

Vapor Pressure at 20°C: 4.4 kPa 33 mmHg

Vapor Density (air = 1): 2.1

Evaporation Rate (Butyl Acetate = 1): 2.9

## MATERIAL SAFETY DATA SHEET

Product Name: ISOPROPANOL ANHYDROUS.  
MSDS#: 1194

Effective Date: 04/10/2000  
Page 8 of 15

Melting Point: *Not applicable.*

### 10. STABILITY AND REACTIVITY

10.1 STABILITY/INSTABILITY Stable

**Incompatible Materials:** Strong oxidizing agents. Halogens. Strong inorganic acids. Aldehydes. Halogen compounds.

10.2 HAZARDOUS POLYMERIZATION Will Not Occur.

10.3 INHIBITORS/STABILIZERS Not applicable.

### 11. TOXICOLOGICAL INFORMATION

#### ACUTE TOXICITY

##### Peroral

Rat; LD50 = 6.48 (4.80 - 8.76) ml/kg.

**Major Signs:** unsteady gait, prostration, heavy breathing

**Gross Pathology:** lungs and abdominal viscera discolored

##### Percutaneous

Rabbit; LD50 = 8.0 (4.9 - 13.1) ml/kg; 24 h occluded.

**Gross Pathology:** lungs, liver, stomach discolored

##### Inhalation

**MATERIAL SAFETY DATA SHEET**

**Product Name:** ISOPROPANOL ANHYDROUS  
**MSDS#:** 1194

**Effective Date:** 04/10/2000  
**Page 9 of 15**

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Static generation of vapor; Rabbit; 2 h; Room temperature

**Mortality:** 4/6

**Major Signs:** lacrimation, loss of coordination, prostration

**Gross Pathology:** lungs discolored

**Inhalation**

dynamic generation of vapor; Rabbit; 4 hour = 12000 ppm

**Mortality:** 0/12

**Major Signs:** prostration

**Gross Pathology:** lungs, kidneys and liver discolored

**Inhalation**

dynamic generation of vapor; Rabbit; 8 hour = 12000 ppm

**Mortality:** 8/12

**Major Signs:** prostration

**Gross Pathology:** lungs, kidneys and liver discolored

**Inhalation**

dynamic generation of vapor; Rabbit; 8 hour = 8000 ppm

**Mortality:** 0/12

**Major Signs:** prostration

**Gross Pathology:** lungs, kidneys and liver discolored

**Inhalation**

Static generation of vapor; Rabbit; 4 hour; Room temperature

**Mortality:** 6/6

**Major Signs:** lacrimation, loss of coordination, prostration



**MATERIAL SAFETY DATA SHEET**

**Product Name:** ISOPROPANOL ANHYDROUS  
**MSDS#:** 1194

**Effective Date:** 04/10/2000  
**Page** 10 of 15

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**Gross Pathology:** lungs discolored

**Inhalation**

Static generation of vapor; Rabbit; 1 h; Room temperature

**Mortality:** 0/6

**Major Signs:** lacrimation, loss of coordination, prostration

**Gross Pathology:** lungs discolored

**IRRITATION**

**Skin:** Rabbit; 24 h uncovered

**Results:** no irritation

**Eye:** Rabbit; 0.02 ml

**Results:** moderate corneal injury

**SIGNIFICANT DATA WITH POSSIBLE RELEVANCE TO HUMANS**

The following is a summary of TSCA Section 4 Test Rule results: Large doses (>800 mg/kg/day) of isopropanol given orally to pregnant rats during the critical period of gestation produced slight decreases in fetal weight. These doses also caused evidence of toxicity in the mothers. Oral doses as high as 480 mg/kg/day caused evidence of toxicity in pregnant rabbits but did not produce evidence of embryo or fetal toxicity. Isopropanol did not produce an increased incidence of malformations (teratogenicity) in either species. An indication of reduced mating performance in 2nd generation male rats was noted at oral doses of 1000 mg/kg/day in a two generation reproductive study. Increased neonatal mortality was also seen at doses of 500 mg/kg/day and greater in this study. No evidence of neurotoxic effects was observed in studies specifically designed to assess neurobehavioral functions in neonatal rats after oral dosing of mothers during gestation and lactation. In an acute vapor inhalation study, high concentrations of isopropanol (1500 ppm and greater) caused a spectrum of transient effects indicative of narcosis. In repeated inhalation exposure studies, high vapor concentrations (5000 ppm) produced an increase in motor activity in rats first noted after 4 weeks of exposure. The effect was reversible completely resolving within 14 days after 13 weeks of exposure. No evidence of damage to nerve tissue was seen in this study. Lifetime exposure of laboratory animals to high concentrations of isopropanol vapor (greater than 1500 ppm) exacerbated chronic progressive nephropathy commonly seen in aged animals. The relevance of this finding to human health hazard evaluation is unknown. No evidence suggestive of carcinogenic activity was noted in chronic vapor inhalation studies with isopropanol in rats and mice.

**12. ECOLOGICAL INFORMATION****12.1 ENVIRONMENTAL FATE**

## MATERIAL SAFETY DATA SHEET

Product Name: ISOPROPANOL ANHYDROUS  
MSDS#: 1194

Effective Date: 04/10/2000  
Page 11 of 15

### BOD (% Oxygen consumption)

	Day 5	Day 10	Day 15	Day 20	Day 30
	28 %	77 %		78 %	

## 12.2 ECOTOXICITY

### Toxicity to Micro-organisms

Bacterial Inhibition; IC50

Result value: 5000 mg/l

### Toxicity to Aquatic Invertebrates

Daphnia; 48 h; LC50

Result value: 7550 mg/l

### Toxicity to Fish

Fathead Minnow; 96 h; LC50

Result value: 8300 mg/l

## 12.3 FURTHER INFORMATION

Theoretical Oxygen Demand (THOD) - measured: 2.30 mg/mg

Theoretical Oxygen Demand (THOD) - calculated: 2.40 mg/mg

Octanol/Water Partition Coefficient - Measured: 0.14

## 13. DISPOSAL CONSIDERATIONS

### 13.1 WASTE DISPOSAL METHOD

Incinerate in a furnace where permitted under Federal, State, and local regulations. Dispose in accordance with all applicable Federal, State, and local environmental regulations. Empty containers should be recycled or disposed of through an approved waste management facility.

### 13.2 DISPOSAL CONSIDERATIONS

At very low concentrations in water, this product is biodegradable in a biological wastewater treatment plant.

**MATERIAL SAFETY DATA SHEET**

**Product Name:** ISOPROPANOL ANHYDROUS  
**MSDS#:** 1194

**Effective Date:** 04/10/2000  
**Page** 12 of 15

*Disposal methods identified are for the product as sold. For proper disposal of used material, an assessment must be completed to determine the proper and permissible waste management options permissible under applicable rules, regulations and/or laws governing your location.*

**14. TRANSPORT INFORMATION****14.1 U.S. D.O.T.****NON-BULK**

**Proper Shipping Name :** ISOPROPANOL  
**ID Number :** UN1219  
**Hazard Class :** 3  
**Packing Group :** PG II

**BULK**

**Proper Shipping Name :** ISOPROPANOL  
**ID Number :** UN1219  
**Hazard Class :** 3  
**Packing Group :** PG II

*This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.*

**15. REGULATORY INFORMATION****15.1 FEDERAL/NATIONAL**

**COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT OF 1980 SECTION 103 (CERCLA)**

The following components of this product are specifically listed as hazardous substances in 40 CFR 302.4 (unlisted hazardous substances are not identified) and are present at levels which could require reporting:

Component	CAS #	Amount
Acetone	67-64-1	<= 0.1000%
Methanol	67-56-1	<= 0.1000%
Methyl ethyl ketone	78-93-3	<= 0.1000%
Methyl isobutyl ketone	108-10-1	<= 0.1000%

## MATERIAL SAFETY DATA SHEET

Product Name: ISOPROPANOL ANHYDROUS  
MSDS#: 1194

Effective Date: 04/10/2000  
Page 13 of 15

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### SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 TITLE III (EPCRA) SECTIONS 302 AND 304

The following components of this product are listed as extremely hazardous substances in 40 CFR Part 355 and are present at levels which could require reporting and emergency planning:

None.

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### SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 TITLE III (EPCRA) SECTION 313

The following components of this product are listed as toxic chemicals in 40 CFR 372.65 and are present at levels which could require reporting and customer notification under Section 313 and 40 CFR Part 372:

This product does not contain toxic chemicals at levels which require reporting under the statute.

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### SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 TITLE III (EPCRA) SECTIONS 311 AND 312

Delayed Hazard : Yes  
Fire Hazard : Yes  
Immediate Health Hazard : Yes  
Reactive Hazard : No  
Sudden Release of Pressure Hazard : No

### TOXIC SUBSTANCES CONTROL ACT (TSCA)

All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements.

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### EUROPEAN INVENTORY OF EXISTING COMMERCIAL CHEMICAL SUBSTANCES (EINECS)

The component of this product is on the EINECS Inventory.

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### CEPA - DOMESTIC SUBSTANCES LIST (DSL)

The component of this product is on the DSL or is exempt from reporting under the New Substances Notification Regulations.

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## 15.2 STATE/LOCAL

## MATERIAL SAFETY DATA SHEET

Product Name: ISOPROPANOL ANHYDROUS  
MSDS#: 1194

Effective Date: 04/10/2000  
Page 14 of 15

### PENNSYLVANIA (WORKER AND COMMUNITY RIGHT-TO-KNOW ACT)

This product is subject to the Worker and Community Right-to-Know Act. The following components of this product are at levels which could require identification in the MSDS:

Component	CAS #	Amount
Isopropanol	67-63-0	<= 99.1100%

### MASSACHUSETTS (HAZARDOUS SUBSTANCES DISCLOSURE BY EMPLOYERS)

The following components of this product appear on the Massachusetts Substance List and are present at levels which could require identification in the MSDS:

Component	CAS #	Amount
Isopropanol	67-63-0	<= 99.1100%

### CALIFORNIA PROPOSITION 65 (SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986)

This product contains no listed substances known to the State of California to cause cancer, birth defects or other reproductive harm, at levels which would require a warning under the statute.

### CALIFORNIA SCAQMD RULE 443.1 (SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT RULE 443.1 LABELING OF MATERIALS CONTAINING ORGANIC SOLVENTS)

VOC: 785 g/l Vapor pressure 33 mmHg @ 20° C

*This section provides selected regulatory information on this product including its components. This is not intended to include all regulations. It is the responsibility of the user to know and comply with all applicable rules, regulations and laws relating to the product being used.*

## 16. OTHER INFORMATION

### 16.1 AVAILABLE LITERATURE AND BROCHURES

ADDITIONAL INFORMATION: There may be additional product safety information on this product, which may be obtained by calling your Union Carbide Corporation Sales or Customer Service Contact.

### 16.2 SPECIFIC HAZARD RATING SYSTEM

HMIS ratings for this product are: H - 2 F - 3 R - 0

## MATERIAL SAFETY DATA SHEET

Product Name: ISOPROPANOL ANHYDROUS  
MSDS#: 1194

Effective Date: 04/10/2000  
Page 15 of 15

NFPA ratings for this product are:    H - 2            F - 3            R - 0

*These ratings are part of specific hazard communications program(s) and should be disregarded where individuals are not trained in the use of these hazard rating systems. You should be familiar with the hazard communication applicable to your workplace.*

### 16.3 RECOMMENDED USES AND RESTRICTIONS

FOR INDUSTRY USE ONLY

### 16.4 REVISION

Version: 3.

Revision: 04/10/2000

Most recent revision(s) are noted by the bold, double bars in left-hand margin throughout this document. In reviewing, attention should be directed toward Sections: 2,5,6,7,2,15.1,15.2

### 16.5 LEGEND

TS	Trade Secret
N/A	Not available
WW	Weight/Weight
VOL/VOL	Volume/Volume
NFPA	National Fire Protection Association
HMIS	Hazardous Materials Information System
H	Health
F	Fire
R	Reactivity
C	Carcinogenic (For use by Union Carbide plants; not part of NFPA System)
T	Reproductive Hazard (For use by Union Carbide plants; not part of NFPA System)
W	Water Reactive
O	Oxidizer
A	Asphyxiant
P	Peroxide Former

*The opinions expressed herein are those of qualified experts within Union Carbide. We believe that the information contained herein is current as of the date of this Material Safety Data Sheet. Since the use of this information and the conditions of the use of the product are not under the control of Union Carbide, it is the user's obligation to determine conditions of safe use of the product.*

# GARDEN GROVE



## FIRE DEPARTMENT

# HAZARDOUS MATERIALS DISCLOSURE PROGRAM

## REPORTING FORMS PACKET PART 1

411

<b>FOR OFFICIAL USE ONLY</b>	
APPROVED BY: _____	DATE: <u>3-5-02</u>
NEW BUSINESS <input checked="" type="checkbox"/> EXISTING _____	UPDATE _____
FEE: 1 2 3 <u>4</u> 5 6	
OWNERSHIP CHANGE _____	
ADDRESS CHANGE: _____	
TIER II _____	FAC: _____ CON: _____
	BUS LIST: <input checked="" type="checkbox"/> PICK: <input checked="" type="checkbox"/>

GIS

*Primal*

*Elements*

*Safety*

*Programs*



## **WRITTEN INJURY AND ILLNESS PREVENTION PROGRAM**

Our policy is to fully comply with Labor Code 6401.7 (SB 198) and General Industry Safety Order 3203, Injury and Illness Prevention Program.

### **I. EMPLOYER INFORMATION**

Primal Elements  
12472 Edison Way  
Garden Grove, CA 92841  
Manufacturer

### **II. PERSON(S) WITH AUTHORITY AND RESPONSIBILITY FOR IMPLEMENTING THIS EMPLOYER'S INJURY AND ILLNESS PREVENTION PROGRAM:**

Cynthia Batteen, Personnel Manager, has the authority and responsibility for implementation of program, oversees employee training, inspections and accident investigations. Her principal assistants in this are the Operations Coordinator, the Soap Production Manager and the Candle Production Manager.

### **III(A). THIS EMPLOYER'S SYSTEM FOR IDENTIFYING, EVALUATING AND PREVENTING OCCUPATIONAL SAFETY AND HEALTH HAZARDS INCLUDES THE FOLLOWING:**

- . Review of applicable General Industry Safety Orders and other Safety Orders that apply to the operation.
- . Review of industry and general information (including Material Safety Data Sheets for chemicals used) on potential occupational safety and health hazards.
- . Investigation of all accidents, injuries, illnesses, and unusual events that have occurred at this location.
- . Periodic and scheduled inspections of general work areas and specific work stations.
- . Evaluation of information by employees.

**III(B). HAZARD EVALUATIONS HAVE BEEN CONDUCTED FOR THE FOLLOWING GENERAL AND SPECIFIC WORK STATIONS (JOB SAFETY CLASSES):**

- a. General Work Area - Administration  
Job Safety Class - Administrative/Clerical
- b. General Work Area - Plant  
Job Safety Class - Shipping/Receiving
- c. General Work Area - Plant  
Job Safety Class - Production

**III(C). THE OCCUPATIONAL SAFETY AND HEALTH HAZARDS IDENTIFIED ARE DOCUMENTED IN THE FOLLOWING MANNER:**

Hazard Evaluation Forms are maintained in the general office.

**III(D). SAFE WORKING CONDITIONS, WORK PRACTICES AND PROTECTIVE EQUIPMENT REQUIREMENTS ARE DOCUMENTED AND COMMUNICATED AS FOLLOWS:**

Codes of Safe Practices have been developed for specific job safety classes or work stations and maintained in the general office.

**IV. INSPECTIONS ARE CONDUCTED TO VERIFY COMPLIANCE WITH CODES OF SAFE PRACTICES AND OTHER SAFETY REQUIREMENTS TO IDENTIFY ANY HAZARDS AND TO INVESTIGATE ACCIDENTS, INJURY AND ILLNESS:**

**FREQUENCY AND RESPONSIBILITY FOR INSPECTIONS:**

- a. Location - Administration/Administrative/Clerical  
When - Quarterly  
Title - Cynthia Batteen, Personnel Manager
- b. Location - Plant/Shipping/Receiving  
When - Quarterly  
Title - Cynthia Batteen, Personnel Manager
- c. Location - Plant/Production  
When - Quarterly  
Title - Cynthia Batteen, Personnel Manager

## **DOCUMENTATION OF INSPECTIONS**

Periodic scheduled inspections are documented, which includes methods and corrections of hazards identified. These forms are maintained in the general office.

## **ACCIDENT AND INJURY/ILLNESS INVESTIGATION**

Inspections (investigations) are conducted as soon as possible after an accident, occupational injury or illness, or hazardous unusual occurrence is reported. These investigations are documented and the forms maintained in the general office.

## **V. EMPLOYEE SAFETY TRAINING IS PROVIDED INITIALLY OR IN THE FOLLOWING CIRCUMSTANCES.**

- . Initial training for all current employees upon establishment of this employer's program.
- . New employees are provided initial training upon hiring prior to assignment.
- . Employees are provided training when assigned to a new task for which training has not been received.
- . Supervisors are trained on hazards and safe practices in their area of responsibility.
- . Training includes general area safety and specific assignment of job safety class training, and the potential occupational safety and health hazards and the Code of Safe Practices for the area.
- . Documentation of training is maintained for individual initial training and/or for group sessions. This documentation is maintained in the general office.
- . Refresher training is provided annually.

## **VI. EFFECTIVE COMMUNICATIONS WITH EMPLOYEES HAVE BEEN ESTABLISHED WHICH INCLUDE THE FOLLOWING:**

- . Communication of safe working conditions, work practices, and required personal protection equipment is included in initial and all subsequent training.
- . Other forms of employer-to-employee communications on safety topics include posters and meetings.

- Employees have been advised verbally and in written policy statements that safe work conditions, safe work practices, and required personal protective equipment are mandatory and will be enforced by the following:
- Recognition for compliance/good safety record Safety Award Program.
- Discipline for non-compliance, including verbal conferences, written warnings, suspensions and terminations.

This employer's method to solicit safety related information from employees includes expression of safety-related matter to Management and anonymously by Employee Safety Information Form, made available to employees for this purpose.

Employees have been advised there will be no reprisals or other job discrimination for expressing any concern, comment, suggestion or complaint about a safety-related matter.

**VII. RECORDKEEPING REQUIREMENTS OF 8 CCR 3203 (D) WILL BE ADHERED TO, INCLUDING:**

Maintenance of all written records for one (1) year.

# CODE OF SAFE PRACTICES

General Area or Specific Job Safety Class PLANT - PRODUCTION

## GENERAL WORK AREA

1. All unsafe conditions must be reported immediately to management.
2. All accidents, injuries and illnesses must be reported immediately to management.
3. In the event of fire, notify all personnel.
4. Employees notified of a fire must stop work and proceed to the nearest clear exit.
5. Fire extinguishers shall be kept clear at all times.
6. Exits shall be kept unblocked and unlocked during working hours.
7. Aisles and hallways shall be kept clear at all times.
8. Employees are forbidden the use of controlled substances during working hours on company premises.
9. All electrical receptacles maintained in operating condition.
10. All equipment cords maintained in operating condition.
11. Exit lights maintained in operating condition.
12. All exit doors functioning properly.
13. Fire extinguishers maintained in their proper location and fully charged.
14. Main aisles maintained with proper clearance.
15. All personnel trained in proper lifting techniques.

## SAFE WORKPLACE CONDITIONS

1. Only trained and authorized employee's are to operate any mechanized equipment; no employee is perform any job duty that they have not been previously trained for.
2. Shrink wrap machine must be left to cool down and the power turned off and locked out before cleaning.
3. Back belts are available for employee's that want to use them while working.
4. Adequate aisle space shall be maintained.
5. Sufficient lighting shall be maintained in all work area's.
6. All spills shall be cleaned up immediately and any leaks reported to management.
7. All equipment must have the power turned off and the lockout/tagout procedure followed prior to cleaning or servicing.
8. All liquids are to be kept away from electrical equipment.
9. Oil absorbent material is available.
10. Extreme care shall be taken when cutting the blocks of soap into smaller pieces and all employees shall wear polar bear gloves, while performing this job.
11. In the washing and drying area for all containers, employees

must be careful to avoid allowing splashed water or spilled soap from creating a slipping hazard.

12. All employees shall follow proper lifting techniques. If an object is too heavy, seek assistance or use one of the lifting aids available.

## CODE OF SAFE PRACTICES

General Area or Specific Job Safety Class PLANT - PRODUCTION (Cont.)

13. Eye protection goggles must be worn by all employees , as required within the production areas.
14. All employees shall wear safety goggles and a dust mask while handling the pigments.
15. All containers shall have proper labeling, hazards, cautions, etc.
16. Eyewash station areas shall be kept clean and clear for immediate access.

# CODE OF SAFE PRACTICES

General Area or Specific Job Safety Class PLANT - PRODUCTION (Cont.)

## PERSONAL PROTECTIVE EQUIPMENT

1. Safety goggles.
2. Dust masks.
3. Polar bear gloves.

# CODE OF SAFE PRACTICES

General Area or Specific Job Safety Class SHIPPING & RECEIVING (Page 1)

## GENERAL WORK AREA

1. All unsafe conditions must be reported immediately to management.
2. All accidents, injuries and illnesses must be reported immediately to management.
3. In the event of fire, notify all personnel.
4. Employees notified of a fire must stop work and proceed to the nearest clear exit.
5. Fire extinguishers shall be kept clear at all times.
6. Exits shall be kept unblocked and unlocked during working hours.
7. Aisles shall be kept clear at all times.
8. Employees are forbidden the use of controlled substances during working hours on company premises.
9. All electrical receptacles maintained in operating condition.
10. All equipment cords maintained in operating condition.
11. Exit lights maintained in operating condition.
12. All exit doors functioning properly.
13. Fire extinguishers maintained in their proper location and fully charged.
14. Main aisles maintained with proper clearance.



# CODE OF SAFE PRACTICES

General Area or Specific Job Safety Class SHIPPING & RECEIVING (Page 2)

## SAFE WORK PLACE CONDITIONS

1. Only trained and authorized personnel are to operate the forklift.
2. All areas are to be kept clean, dry and clear of debris and scrap.
3. Wheel blocks are available.
4. "Out of service" tags are available.
5. All personnel trained in proper lifting techniques.
6. Oil absorbent material available.

## SAFE WORK PRACTICES

1. The "Forklift Inspection Checklist" is to be completed daily before the forklift is operated.
2. Truck trailer wheels are blocked before loading trailers.
3. The condition of truck beds and trailers are checked for loose boards and cracks before loading trucks.
4. The condition of pallets are checked on incoming materials to make sure that pallets may be safely stacked.
5. Forklifts shall be operated strictly according to the "Operating Rules for Industrial Trucks."
6. All employees shall follow proper lifting techniques. If an object is too heavy, seek assistance or use one of the lifting aids available.
7. Spills and debris are to be cleaned up immediately following Company rules for both the cleaning and disposal of such substances.
8. Forklift operators are to exercise particular caution at or near intersections and when approaching blind spots that may exist.
9. Worn or broken LPG refueling parts or leaks of any kind are to be reported to Management immediately.
10. Forklift inspection and fluid level checks should be done when the forklift is cold. If this is not possible care must be exercised to make certain to avoid areas of the forklift which may be hot such as the exhaust, and other areas which may cause chemical burns such as the battery.
11. Back belts are available for employee's that want to use them while working.
12. Employees shall refrain from overloading storage racks or shelves.
13. Elevated storage areas shall have gate closed at all times, except during loading and unloading of materials.
14. Employees shall use only ladders to climb or reach objects or materials that are out of their normal reach.

## CODE OF SAFE PRACTICES

General Area or Specific Job Safety Class SHIPPING & RECEIVING (Page 3)

### PERSONAL PROTECTIVE EQUIPMENT

1. Safety glasses.
2. Work gloves.

# CODE OF SAFE PRACTICES

General Area or Specific Job Safety Class ADMINISTRATIVE/OFFICE (Page 1)

## GENERAL WORK AREA

1. All unsafe conditions must be reported immediately to management.
2. All accidents, injuries and illnesses must be reported immediately to management.
3. In the event of fire, notify all personnel.
4. Employees notified of a fire must stop work and proceed to the nearest clear exit.
5. Fire extinguishers shall be kept clear at all times.
6. Exits shall be kept unblocked and unlocked during working hours.
7. Aisles and hallways shall be kept clear at all times.
8. Employees are forbidden the use of controlled substances during working hours on company premises.
9. All electrical receptacles maintained in operating condition.
10. All equipment cords maintained in operating condition.
11. Exit lights maintained in operating condition.
12. All exit doors functioning properly.
13. Fire extinguishers maintained in their proper location and fully charged.
14. Main aisles maintained with proper clearance.

## SAFE WORKPLACE CONDITIONS

1. Adequate aisle space shall be maintained.
2. For VDT work stations, background and screen lighting must be compatible and adjustable. "No glare" screens shall be available.
3. Alternative work breaks provided as necessary while working on VDT stations or extended periods of typing.
4. Sufficient lighting to be maintained in all work areas.
5. All electrical extension cords maintained in safe working condition.
6. All GFI (Ground Fault Interrupt) units functioning properly.

# CODE OF SAFE PRACTICES

General Area or Specific Job Safety Class ADMINISTRATIVE/OFFICE (Page 2)

## SAFE WORK PRACTICES

1. Workplaces shall be kept clear of debris, floor storage and electrical cords.
2. All spills shall be cleaned up immediately and any leaks reported to management.
3. File cabinet drawers shall be opened one at a time and closed, when work is finished.
4. Care shall be used when closing file drawers to avoid pinching the employees or other employee's fingers.
5. Employees shall use proper lifting techniques and get help with heavy loads.
6. During paper cutter/trimmer operations, employees shall keep fingers away from cutting edge and refrain from conversing with co-workers.
7. When not in use, paper trimmer blade must be in the locked-down position.
8. All equipment must have the power turned off before cleaning or servicing.
9. Follow manufacturers' instructions and cautions when changing or adding paper to the facsimile machine.
10. Follow manufacturers' instructions and cautions when changing toners in photo copy machines.
11. Use care and proper technique when stapling or removing staples.
12. Employees shall maintain good posture at work stations.
13. Damaged electrical equipment shall be tagged and reported to management for repair.
14. Employees shall refrain from overloading storage shelves.
15. Employees to be alert for sharp corners on desks or other furniture that may be hazardous.
16. All liquids to be kept away from electrical equipment.
17. Follow all manufactures' instructions and caution when using electrical equipment or appliances.
18. Employees shall use only ladders to climb or reach objects or materials that are out of their normal reach.

## PERSONAL PROTECTIVE EQUIPMENT

1. Adjustable chairs and keyboards available for VDT usage.
2. "No Glare" screens available.

## **HAZARD COMMUNICATION PROGRAM**

### **INTRODUCTION**

Primal Elements, has developed a Hazard Communication Program to enhance our employees' health and safety.

As a company we intend to provide information about chemical hazards and other hazardous substances, and the control of hazards via our comprehensive Hazard Communication Program which includes container labeling, Material Safety Data Sheets (MSDS) and training.

**The following program outlines how we will accomplish this objective.**

### **CONTAINER LABELING**

It is the policy of this Company that no container of hazardous substance will be released for use until the following label information is verified:

1. Containers are clearly labeled as to the contents.
2. Appropriate hazard warnings are noted.
3. The name and address of the manufacturer are listed.

This responsibility has been assigned to the Operations Coordinator. To further ensure that employees are aware of the hazards of materials used in their work areas, it is policy to label all secondary containers.

The manager or supervisor in each section will ensure that all secondary containers are labeled with either an extra copy of the original manufacturer's label or with generic labels which have a block for identity and blocks for the hazard warning.

## **MATERIAL SAFETY DATA SHEETS (MSDS)**

Copies of MSDS for all hazardous substances to which employees of this company may be exposed are kept in the Production Manager's area. The Operations Coordinator will be responsible for obtaining and maintaining the data sheet system for the company.

The Operations Coordinator will review incoming data sheets for new and significant health/safety information. He will see that any new information is passed on to the affected employees.

MSDS will be reviewed for completeness by the Operations Coordinator. If a MSDS is missing or obviously incomplete, a new MSDS will be requested from the manufacturer. Cal/OSHA will be notified if a complete MSDS is not received.

MSDS are available to all employees in their work area for review during each work shift. If MSDS are not available or new hazardous substance(s) in use do not have MSDS, please contact the Operations Coordinator immediately.

## **EMPLOYEE INFORMATION AND TRAINING**

Employees must attend a health and safety orientation set up by their individual supervisors, prior to starting work for information and training on the following:

1. An overview of the requirements contained in the Hazard Communication Regulation, including their rights under the Regulation.
2. Inform employees of any operations in their work area where hazardous substances are present.
3. Location and availability of the written hazard communication program.
4. Physical and health effects of the hazardous substances that they may contact.
5. Methods and observation techniques used to determine the presence or release of hazardous substances in the work area.
6. How to lessen or prevent exposure to these hazardous substances through engineering controls, work practices, or personal protective equipment.
7. Steps the company has taken to lessen or prevent exposure to these substances.
8. Emergency and first aid procedures to follow if employees are exposed to hazardous substance(s).
9. How to read labels and review MSDS to obtain appropriate hazard information.

NOTE: It is critically important that all of our employees understand the training. If you have any additional questions, please contact Cynthia Batteen, Personnel Manager.

When new hazardous substances are introduced, the supervisor will review the above items as they are related to the new material in your work area safety meeting.

### **LIST OF HAZARDOUS SUBSTANCES**

The following is a list of all known hazardous substances present in or around the plant. Specific information on each noted hazardous substance(s) can be obtained by reviewing the Material Safety Data Sheets.

**See Appendix "A"**

### **HAZARDOUS NON-ROUTINE TASKS**

Periodically, employees are required to perform hazardous non-routine tasks. Prior to starting work on such projects, each affected employee will be given information by their supervisor about hazards to which they may be exposed during such an activity.

This information will include:

1. Specific hazards.
2. Protective/safety measures which must be utilized.
3. Measures the company has taken to lessen the hazards including ventilation, respirators, presence of another employee and emergency procedures.

### **INFORMING CONTRACTORS**

To ensure that outside contractors work safely in our plant, it is the responsibility of Cynthia Batteen, Personnel Manager to provide contractors the following information:

1. Hazardous substances to which they may be exposed while on the jobsite.
2. Precautions the employees may take to lessen the possibility of exposure by usage of appropriate protective measures.

If anyone has questions about this plan contact Cynthia Batteen, Personnel Manager. Our plan will be monitored by Cynthia Batteen, Personnel Manager to ensure that the policies are carried out and that the plan is effective.

## APPENDIX "A"



## **IMPORTANT REFERENCE INFORMATION**

### **MATERIAL SAFETY DATA SHEETS**

Valuable information for the safe use, handling and disposal of chemical materials on the site may be obtained from the manufacturer or supplier in the form of a Material Safety Data Sheet (MSDS). Each MSDS describes the physical and chemical properties of one chemical material or substance. It also provides information for first aid treatment and special personal protection, procedures for cleanups, and precautions for storing and handling that are appropriate to the material.

The Material Safety Data Sheet is designed to inform the user of the properties of the material and to suggest proper controls for protecting employees, property and the environment against injury or damage. The data sheet also helps the user set up and maintain appropriate controls so that he can avoid preventable accidents.

Below is an outline of the contents of a Material Safety Data Sheet.

#### **SECTION I - MANUFACTURING IDENTIFICATION**

Name, address and phone number of the manufacturer. Material and trade names, chemical family and other designations. Pay particular attention to the EMERGENCY TELEPHONE NUMBER. Should an emergency occur, this information should be readily available. The date the MSDS was prepared is important because you should always refer to the most recent MSDS for accurate information. Not only does new information on chemicals become available with time, but product formulas change.

#### **SECTION II - HAZARDOUS INGREDIENTS**

Hazardous ingredients and their percent (%) concentrations in the material, as well as their toxicity; also hazardous mixtures of other substances.

#### **SECTION III - PHYSICAL DATA**

Properties such as boiling point, vapor pressure and density, solubility in water, evaporation rate, percent volatile, and characteristic appearance and odor.

#### **SECTION IV - FIRE AND EXPLOSION HAZARD INFORMATION**

Properties such as flash point (method of ignition), autoignition temperature, and lower and upper limits in the air. This information is very important for materials used near sources of ignition or within poorly ventilated spaces. Also, means of extinguishment and special procedures for fire fighting.

## **SECTION V - HEALTH HAZARD DATA**

Threshold limit value (TLV), effects of overexposure, and first aid treatment for eye or skin contact inhalation. This information offers a guideline for monitoring exposure during use or handling.

## **SECTION VI - REACTIVITY DATA**

Stability of the material and related conditions to avoid. Other materials that are incompatible. Hazardous decomposition products and hazardous polymerization with related conditions to avoid. This information outlines conditions of use and storage under which the material will remain stable, as well as likely conditions that could cause a dangerous chemical reaction.

## **SECTION VII - SPILL OR LEAK PROCEDURES**

Recommended action for safe clean-ups and for final disposition without posing a hazard to people, property, or the environment.

## **SECTION VIII - SPECIAL PROTECTION INFORMATION**

Suggestions covering the need for ventilation, respiratory protection, eye protection, gloves, and other protective equipment during exposure to the material.

## **SECTION IX - SPECIAL PRECAUTIONS**

Information on safe storage and handling to avoid hazardous reactions, and Department of Transportation classification.

## **GLOSSARY OF MATERIAL SAFETY DATA SHEET TERMS**

Information sheets, such as Material Safety Data Sheets for hazardous or toxic substances contain words that may be unfamiliar. The following explanation of terms will help you to understand the MSDS.

### **ACGIH:**

Abbreviation for the American Conference of Governmental Industrial Hygienists, a private organization of occupational safety and health professionals. The ACGIH recommends occupational exposure limits for numerous toxic substances and it updates and revises its recommendation as more information becomes available.

### **CARCINOGENIC:**

Capable of causing cancer.

### **CEILING LIMIT:**

The maximum amount of toxic substance allowed to be in workroom air at any time during the day.

### **COMBUSTIBLE:**

Able to catch fire and burn.

### **CONCENTRATION:**

The amount of one substance in another substance.

### **DECOMPOSITION:**

Breakdown of a chemical.

### **DENSITY:**

How much space a given weight substance takes up. Gold is a very dense substance because a small piece of it weighs a lot. Styrofoam is not very dense because it weighs very little but takes up a lot of space. The density of a substance is usually compared to water, which has been given density value of 1. Substances more dense than water (which sink in water) have a density greater than 1; substances that float on water have a density of less than 1.

**DERMAL:**

By or through the skin.

**EXPLOSIVE LIMITS:**

The amounts of vapor in air sufficient to form explosive mixtures. Explosive limits are expressed as **LOWER EXPLOSIVE LIMITS** and **UPPER EXPLOSIVE LIMITS**; these give the range of vapor concentrations in air that will explode if heated. Explosive limits are expressed as a percentage of vapor in the air.

**FLAMMABLE:**

Catches on fire easily and burns rapidly.

**FLAMMABLE LIMITS:**

See EXPLOSIVE LIMITS.

**FLASH POINT:**

The lowest temperature at which the vapor of a substance will catch on fire, and then go out, if heat is applied. Provides an indication of how flammable a substance is. Not to be confused with IGNITION TEMPERATURE.

**HEALTH HAZARD:**

Anything that can have a harmful effect on health under the conditions in which it is used or produced. There can be both ACUTE and CHRONIC health hazards.

**IGNITION TEMPERATURE:**

The lowest temperature at which a substance will catch on fire and continue to burn. The lower the ignition temperature, the more likely the substance is going to be a fire hazard.

**INFLAMMABLE:**

Same as FLAMMABLE.

**INGESTION:**

Swallowing.

**LC50:**

The concentration of a substance in air that causes death in 50% of the animals exposed by inhalation. A measure of acute toxicity.

**LD50:**

The dose that causes death in 50% of the animals exposed by swallowing a substance. A measure of acute toxicity.

**mg/kg:**

A way of expressing dose: milligrams (mg) of a substance per kilogram (kg) of body weight. Example: a 100 kg (220 pound) person given 10,000 mg (about 0.02 pounds) of a substance would be getting a dose of 100mg/kg (10,000 mg/100 kg).

**mg/m:**

A way of expressing the concentration of a substance in air: milligrams (mg) of substance per cubic meter (m) of air.

**MILLIGRAM:**

One-thousandth of a gram.

**MUTAGENIC:**

Capable of changing cells in such a way that future cell generations are effected. Mutagenic substances are usually considered suspect carcinogens.

**NIOSH:**

Abbreviation for the National Institute for Occupational Safety and Health, U.S. Department of Health and Human Services. NIOSH does research on occupational safety and health questions and makes recommendations to OSHA.

**ODOR THRESHOLD:**

The lowest concentration of a substance's vapor, in the air, that can be smelled. Odor thresholds are highly variable depending on the individual who breathes the substance and the nature of the substance.

**OXIDIZER:**

Any substance that reacts violently with oxygen or that gives off large amounts of energy in a chemical reaction.

**PEL:**

Permissible Exposure Limit: means the same as TLV. PEL is often used in OSHA Standards instead of TLV.

**PH:**

A measure of how acidic or caustic (basic) a substance is on a scale of 1-14. pH 1 indicates that a substance is very acidic; pH 7 indicates that a substance is neutral; and pH 14 indicates that a substance is very caustic (basic).

**PPM:**

Parts per million: Generally used to express small concentrations of one substance in a mixture.

**REACTIVITY:**

The ability of a substance to undergo change, usually by combining with another substance or by breaking down. Certain conditions, such as heat and light, may cause a substance to become more reactive. Highly reactive substances may explode.

**SOLUBILITY:**

The amount of a substance that can be dissolved in solution, usually water.

**SUSPECT CARCINOGEN:**

A substance that might cause cancer in humans or animals, but has not been proven to do so.

**TERATOGENIC:**

Capable of causing birth defects.

**TLV:**

Abbreviation for Threshold Limit Value (TLV). The average 8-hour occupational exposure occupational exposure limit. This means that the actual exposure level may sometimes

be higher, sometimes lower, but the average must not exceed the TLV. TLV's are calculated to protect most workers for a working lifetime.

**TOXIC SUBSTANCE:**

Any substance that can cause acute or chronic injury to the human body, or that is suspected of being able to cause disease or injury under some conditions. Many toxic substances are chemicals or chemical mixtures, but there are other kinds of toxic substances as well ( bacteria and viruses, for example).

**VAPOR:**

The gas given off by a solid or liquid substance at ordinary temperatures.

**VAPOR DENSITY:**

The density of the gas given off by a substance. It is usually compared with air, which has a vapor density set at 1. If the vapor is more dense than air (greater than 1) it will sink to the ground; if it is less dense than air (less than 1), it will rise.

**VOLATILITY:**

A measure of how quickly a substance forms vapors at ordinary temperatures. Vapor pressure is a measure of volatility. The lower the vapor pressure the lower the volatility.

**EMERGENCY ACTION PLAN**

**FOR**

**PRIMAL ELEMENTS**



## INTRODUCTION

This Emergency Action Plan has been developed by Primal Elements (hereinafter referred to as the "Company") for the safe and efficient egress of their employees during an emergency situation such as fire, explosion, earthquake, or chemical leak. The program was written to facilitate compliance with Cal/OSHA requirements specified in Title 8 of the California Code of Regulations, Section 3220. This regulation has been attached to this Program and can be found in Appendix A.

In general, the health and safety of the Company personnel depends upon a thorough knowledge of their surrounds, their operations and the hazards posed, a sincere safety conscientiousness, good judgment, and common sense. This written Emergency Action Plan is designed with three fundamental objectives: 1) To facilitate a safe evacuation of Company employees in the event of an emergency; 2) To minimize the potential for personal injury during an evacuation; and 3) To establish methods or procedures to minimize loss of property including buildings, equipment, and product.

It is the intent and resolve of the Company to comply with the requirements and spirit of the California Code of Regulations, Title 8, in the implementation of all facets of occupational safety and health.

It is the policy of the Company to provide a safe and healthful work environment to all employees.

In accordance with the California Code of Regulations, Title 8, Section 3220, the Company adopts this Emergency Actions Plan as part of its employee safety policy and Injury and Illness Prevention Program.

It is Company policy for all employees to follow the requirements set forth in this Emergency Action Plan.

This Emergency Action Plan shall be kept at the workplace and be available for employee review.

## EFFECTIVE DATE

Effective November 1, 1997, Company has established, implemented, and maintains this Emergency Action Plan in accordance with current Cal/OSHA regulations.

## **RESPONSIBLE PERSON**

The person responsible for the administration of this program is Cynthia Batteen, Personnel Manager. It is this person's responsibility to ensure the overall implementation of this Emergency Action Plan and to direct the following tasks:

- 1) Identify & evaluate potential emergencies that may require personnel evacuations.
- 2) Establish and review procedures for emergencies.
- 3) Ensure that employees receive training on this program and training updates.
- 4) Ensure compliance with the safe and health work practices as specified in this plan.
- 5) Ensure that records on training, inspections of alarm systems, and corrective measures as necessary are properly maintained as required by this plan and the Company's Injury and Illness Prevention Program.

## **ESCAPE PROCEDURES/ESCAPE ROUTES 8 CCR 3220(b)(1)**

Evacuations may be necessary should any one of the following occur:

- a) Fire
- b) Earthquake
- c) Chemical leak, spill, or threatened release
- d) Explosion
- e) Power Outage
- f) Bomb Threat
- g) Others, flood, etc.

Procedures to be followed during any of the aforementioned situations are attached to this Emergency Action Plan and can be found in Appendix B. Cynthia Batteen, Personnel Manager is responsible for deciding the extent of evacuation and for ensuring compliance with this policy.

A sufficiently large area will be evacuated to ensure adequate safety for personnel.

Unless otherwise instructed, employees in the affected area will immediately evacuate their work area following the emergency escape routes as posted or as otherwise trained. Escape maps can be found in Appendix C.

Employees will proceed directly to their assigned area and will wait at this location until the "All Clear" is sounded or signaled.

### **ACCOUNTING OF PERSONNEL 8 CCR 3220(b)(3)**

All employees will follow Company instructions for evacuation of the work place.

Following evacuation of the workplace, employees will proceed immediately to their assigned assembly area. Special precautions will be taken to ensure that access roads to the workplace will not be blocked.

Each designated supervisor will proceed to their assigned assembly area and perform a head count of their subordinates to ensure all employees have safely evacuated.

In the event of any unaccounted for employees, their designated supervisors or any other responsible employee will report the missing employee to the fire department so that a search and rescue can be conducted.

### **RESCUE AND MEDICAL DUTIES 8 CCR 3220(b)(4)**

While trained employees can perform emergency medical actions, outside emergency response services (e.g. 9-1-1) are the primary source of emergency medical treatment.

### **REPORTING EMERGENCIES 8 CCR 3220(b)(5)**

Emergencies must be reported promptly. Regardless of emergency, use one of the following methods of reporting, whichever is most expeditious:

- 1) Notify your supervisor immediately.
- 2) Call 9-1-1

**ADDITIONAL INFORMATION**  
**8 CCR 3220(b)(6)**

Cynthia Batteen, Personnel Manager may be contacted for further information or explanation of duties under this plan.

**ALARM SYSTEM**  
**8 CCR 3220(c)**

Company has established an employee alarm system that includes the following provisions:

- a) It is distinctive and recognizable as a signal to evacuate.
- b) The employee alarm system provides warning for emergencies or for reaction time for safe escape.
- c) The alarm is loud enough to be heard and the signal light is bright enough to be seen.
- d) Employees are made aware of means and methods of reporting emergencies.
- e) A procedure is in place to sound the alarm.
- f) The alarm system is tested every two months.
- g) When the system is out of operation for any time, a back up system must be put in place (e.g. telephone, runner, etc.).
- h) The alarm is properly installed and, following a test or alarm, it is restored to its normal operations.
- i) Trained and qualified people perform servicing, maintenance, and testing of the alarm system.
- j) The fire alarm meets requirements established by local fire codes.

## **TYPES OF EVACUATIONS**

### **8 CCR 3220(d)**

The types of emergencies that are part of this plan are detailed under ESCAPE PROCEDURES/ESCAPE ROUTES.

Depending on the extent and magnitude of the emergency, the following types of evacuations will be called:

- a) Evacuation of the immediate area. All other areas remain occupied. May affect few employees.
- b) Evacuation of the area (extending beyond the immediate area as determined by the responsible person or that person(s) designated to make such decisions). May affect a number of employees.
- c) Evacuation of an entire structure. This is the most extensive. May affect all employees occupying the structure at the time.

## **TRAINING**

### **8 CCR 3220(e)**

Prior to implementing this Emergency Action Plan, a sufficient number of employees will be identified and trained to assist in the implementation of the Plan. The names of the employees designated to perform this task are listed in Appendix C.

This Emergency Action Plan shall be reviewed with each employee upon initial assignment. This review shall cover those parts of the plan which are important to that employee's safety in the event of an emergency.

Training of all employees about the Company's Emergency Action Plan will occur when the program is first developed, when the program is modified and when employee responsibilities change.

All training will be documented in accordance with the Company's Injury and Illness Prevention Program. Records of training will be retained for at least one year.

Training will also include evacuation drills. Cynthia Batteen, Personnel Manager will establish the frequency of the drills.

**APPENDIX A**  
**Cal/OSHA REGULATION**

**3220. EMERGENCY ACTION PLAN**

(a) **Scope and Application.** This section applies to all emergency action plans. The emergency action plan shall be in writing, except as provided in the last sentence of subsection (e)(3) of this section, and shall cover those designated actions employers and employees must take to ensure employee safety from fire and other emergencies.

(b) **Elements.** The following elements, at a minimum, shall be included in the plan:

- 1) Emergency escape procedures and emergency escape route assignments;
- 2) Procedures to be followed by employees who remain to operate critical plant operations before they evacuate;
- 3) Procedures to account for all employees after emergency evacuation has been completed;
- 4) Rescue and medical duties for those employees who are to perform them;
- 5) The preferred means of reporting fires and other emergencies; and
- 6) Names or regular job titles of persons or departments who can be contacted for further information or explanation of duties under the plan.

(c) **Alarm System.**

- 1) The employer shall establish an employee alarm system which complies with Article 165.
- 2) If the employee alarm system is used for alerting fire brigade members, or for other purposes, a distinctive signal for each purpose shall be used.

(d) **Evacuation.** The employer shall establish in the emergency action plan the types of evacuation to be used in emergency circumstances.

(e) **Training.**

- 1) Before implementing the emergency action plan, the employer shall designate and train a sufficient number of persons to assist in the safe and orderly emergency evacuation of employees.
- 2) The employer shall advise each employee of his/her responsibility under the plan at the following times:
  - a) Initially when the plan is developed.
  - b) Whenever the employee's responsibilities or designated actions under the plan change, and
  - c) Whenever the plan is changed.
- 3) The employer shall review with each employee upon initial assignment those parts of the plan that the employee must know to protect the employee in the event of an emergency. The written plan shall be kept at the workplace and made available for employee review. For those employers with 10 or fewer employees the plan may be communicated orally to employees and the employer need not maintain a written plan. NOTE: Authority and reference cited: Section 142.3, Labor Code.

## HISTORY

1. New section filed 9-8-81; effective thirtieth day thereafter (Register 81, No. 37).

## **APPENDIX B EMERGENCY PROCEDURES**

An emergency is an unforeseen combination of circumstances or the resulting state that call for immediate action. An emergency generally creates a sense of panic and confusion at a time when prompt action and clear thinking are essential. In an emergency, seconds can be the difference between life and death. That is why it is important to be prepared for the emergencies that can occur at our Company.

### **A. EMPLOYEE RESPONSIBILITIES**

It is the responsibility of every employee to know:

- 1) How to protect themselves in each type of emergency.
- 2) How to report an emergency.
- 3) The proper sequence of actions to take.
- 4) Location of emergency equipment (e.g. fire extinguishers, first aid kit, emergency telephone numbers, etc.) in or near your work area.

Remember that the most important aspect of an emergency is the protection of human life first. Property is of secondary importance.

### **B. TYPES OF EMERGENCIES**

Emergencies likely to occur at this workplace include:

- a) Fire
- b) Earthquake
- c) Chemical leak, spill, or threatened release
- d) Explosion
- e) Power Outage
- f) Bomb Threat
- g) Others (e.g. flood, etc.)



## C. STEPS EMPLOYEE WILL TAKE DURING AN EMERGENCY

### REPORTING AN EMERGENCY DURING BUSINESS HOURS

1. To report an emergency: Go to your supervisor or designee immediately.
2. Give the following information:
  - a) The exact location and any special directions of how to find the victim/incident.
  - b) Description of the emergency, need for paramedic, ambulance, fire department, police department, etc.

### SOUNDING THE ALARM FOR EVACUATION

1. An evacuation can be initiated by sounding the alarm and activating the signal lights.
2. The alarm sound is distinctive.
3. The locations where the alarm can be activated can be found on the evacuation escape route maps or in designated areas.

### EVACUATION PROCEDURE

1. When the alarm sounds or the signal lights are activated, everyone subject to the evacuation is to follow the escape routes and use the emergency doors as needed. Exit as quickly as possible, without stopping to pick up personal belongings. **DO NOT PANIC - STAY CALM. DO NOT RUN.**
2. Proceed to the assembly point/relocation area and remain at that location until instructed to move.
  - a) Supervisors must direct others to leave when an evacuation has been sounded or signaled.
  - b) Designated employees will assist those who are disabled or who need assistance.
  - c) Designated employees will check to see that no one has been left behind,

particularly where the alarm may not be audible (e.g. restrooms, conference rooms, etc.)

3. Once outside or in the designated assembly areas, supervisors will take a head count to verify that everyone has evacuated the building.
4. Keep access clear for emergency equipment. Do not congregate in roadways or near building access points.
5. Do not re-enter the building until the "All-Clear" has been given.
6. At no time should information concerning the emergency be given to members of the news media until it has been approved for release by a Company officer. Contact with the media is limited to designated personnel.

#### FOLLOWING AN EVACUATION

1. Report any problems (e.g. bottlenecks, etc.) directly to a supervisor or manager.

**PPENDIX C**  
**ESCAPE MAPS**

**FIRE PREVENTION PLAN**

**FOR**

**PRIMAL ELEMENTS**

## INTRODUCTION

This Fire Prevention Plan has been developed by Primal Elements (hereinafter referred to as the "Company" for the purpose of identifying potential fire hazards or sources of ignition and establishing procedures which minimize the risk of fire in the workplace. The program was written to facilitate compliance with Cal/OSHA requirements specified in Title 8, California Code of Regulations, Section 3221, a copy of which is attached to this Program and can be found in Appendix A.

In general, the health and safety of Company personnel depends upon a thorough knowledge of their surroundings, their operations, any hazards posed, a sincere safety conscientiousness, good judgment, and common sense. This written Fire Prevention Plan is designed with three fundamental objectives: 1) To identify potential fire hazards and potential ignition sources; 2) To establish proper handling and storage practices, as well as other control procedures to minimize the risk of fire; 3) To have in place the type of fire protection equipment or systems which can control a fire. The overall goal of this plan is to minimize personal injury and property damage.

It is the policy of Company to provide a safe and healthful work environment to all employees.

In accordance with Title 8, California Code of Regulations, Section 3221, Company adopts this Fire Prevention Plan as part of its employee safety policy and Injury and Illness Prevention Program.

It is Company policy for all employees to follow the requirements set forth in this Fire Prevention Plan.

A copy of this Fire Prevention Plan shall be kept at the workplace and be available for employee review.

## EFFECTIVE DATE

Effective November 1, 1997, Company has established, implemented, and maintains this Fire Prevention Plan in accordance with Cal/OSHA regulations.

## **RESPONSIBLE PERSON**

The person responsible for the administration of this program is Cynthia Batteen, Personnel Manager. It is this person's responsibility to ensure the overall implementation of this Fire Prevention Plan and to direct the following tasks:

- 1) Identify and evaluate potential fire hazards and sources of ignition, including but not limited to activities such as welding, smoking, hot surfaces, and storage of flammable materials.
- 2) Establish and/or review control procedures to include fire protection equipment as needed.
- 3) Ensure compliance with the work practices and procedures specified in this plan.
- 4) Ensure that employees receive training on this program and that training is up-to-date.
- 5) Establish a timetable for regular fire safety inspections.
- 6) Ensure that records of training, fire protection inspections including those performed by the local fire department, and corrective measures as necessary, are properly maintained as required by this plan and the Company's Injury and Illness Prevention Program.
- 7) Identify individuals within the Company that are responsible for maintenance of equipment and systems installed to prevent or control ignitions or fires.
- 8) Identify individuals within the Company that are responsible for the control of accumulation of flammable or combustible waste materials.

## **POTENTIAL FIRE HAZARDS AND IGNITION SOURCES AND THEIR CONTROL 8 CCR 3221(b)(1)**

Commonly occurring fire hazards may result from flammable and combustible materials, smoking, open flame heaters, electric space heaters and electrical systems.

The Company has fully evaluated the workplace and has identified the potential fire

hazards and ignition sources listed in Appendix B, if any. Also listed in Appendix B is the control measure the Company will use to minimize the named fire hazard.

**MAINTENANCE OF FIRE SUPPRESSION EQUIPMENT AND SYSTEMS  
8 CCR 3221(b)(2)**

Individuals (or job titles) identified in Appendix C are responsible for the maintenance of fire suppression equipment and systems such as fire extinguishers, standpipes, sprinklers, etc.

**CONTROL OF ACCUMULATION OF FLAMMABLE  
AND COMBUSTIBLE WASTE MATERIALS  
8 CCR 3221(b)(3)**

Individuals (or job titles) identified in Appendix D are responsible for the control of accumulation of flammable and combustible waste materials.

**HOUSEKEEPING  
8 CCR 3221(c)**

Employees shall regularly inspect their work areas and promptly remove and properly dispose of accumulations of combustible materials.

Employees shall ensure that the aisles and work spaces remain clear and free of trash.

Suitable clearances shall be maintained below sprinkler heads to storage. (18" minimum requirement for sprinkler riser clearance.)

Access to electrical switches and controls shall remain clear.

There shall be no accumulation of paper, rags, sweepings, or debris.

Exits and fire door closures shall remain unobstructed and in good working order.

Other housekeeping practices and procedures are listed in the Injury and Illness Prevention Program.

**TRAINING**  
**8 CCR 3221(d)**

This Fire Prevention Plan shall be reviewed with each employee (full-time, part-time and temporary) upon initial assignment. This review shall include:

- 1) The nature and classes of fire.
- 2) Responsibilities for fire prevention as outlined in this plan.
- 3) Potential fire hazards (materials, processes) to which the employee may be exposed.
- 4) Proper methods for controlling fire hazards.
- 5) Location, care and proper use of portable fire extinguishers.

Training of all employees about Company's Fire Prevention Plan will occur when the program is first developed, when the program is modified and when employee responsibilities change.

All training will be documented in accordance with the Company's Injury and Illness Prevention Program. Records of training will be retained for at least one year.

**MAINTENANCE**  
**8 CCR 3221(e)**

Fire safety inspections shall be conducted on a regular basis as determined by the Responsible Person or their designated representative.

The inspection shall identify potential fire hazards as listed in Appendix B. The inspections shall verify that the fire hazards and ignition sources are properly controlled as required by the Plan. If necessary, the corrective actions will be documented in accordance with the Company's Injury and Illness Prevention Program.

The fire safety inspection may be documented on a form similar to the checklist shown in Appendix F of this plan.

All inspection records shall be documented in accordance with Company's Injury and Illness Prevention Program. Records of inspections will be retained for atleast one . year.



## APPENDIX A

### FIRE PREVENTION PLAN REGULATION 8 CCR 3221

#### 3221. FIRE PREVENTION PLAN

- (a) **Scope and Application.** This section applies to all fire prevention plans shall be in writing, except as provided in the last sentence of subsection (d)(2) of this section.
- (b) **Elements.** The following elements, at a minimum, shall be included in the fire prevention plan:
  - 1) Potential fire hazards and their proper handling and storage procedures, potential ignition sources (such as welding, smoking and others) and their control procedures and the type of fire protection equipment or systems which can control a fire involving them;
  - 2) Names or regular job titles of those responsible for maintenance of equipment and systems installed to prevent or control ignitions or fires, and
  - 3) Names or regular job titles of those responsible for the control of accumulation of flammable or combustible waste materials.
- (c) **Housekeeping.** The employer shall control accumulations of flammable and combustible waste materials and residues so that they do not contribute to a fire emergency. The housekeeping procedures shall be included in the written fire prevention plan.
- (d) **Training.**
  - 1) The employer shall apprise employees of the fire hazards of the materials and processes to which they are exposed.
  - 2) The employer shall review with each employee upon initial assignment those parts of the fire prevention plan which the employee must know to protect the employee in the event of an emergency. The written plan shall be kept in

the workplace and made available for employee review. For those employers with 10 or fewer employees, the plan may be communicated orally to employees and the employer need not maintain a written plan.

- (e) Maintenance. The employer shall regularly and properly maintain according to established procedures, equipment and systems installed in the workplace to prevent accidental ignition of combustible materials. NOTE: Authority and reference cited: Section 142.3, Labor Code.

### HISTORY

1. New section filed 9-8-81; effective thirtieth day thereafter (Register 81, No. 37). For prior history, see Registers 77, No. 20, 76; No. 29, and 75; No. 25.

## **APPENDIX B**

### **POTENTIAL FIRE HAZARDS AND IGNITION SOURCES AND THEIR CONTROL**

#### **POTENTIAL HAZARDS**

- 1) Lights & Kettles
- 2) Shrink Wrapping Machine

#### **CONTROL METHODS**

Follow the procedures outlined in the Injury and Illness Prevention Program and company safety policies.

## **APPENDIX C**

### **NAME(S) OF INDIVIDUAL(S) RESPONSIBLE FOR MAINTENANCE OF FIRE SUPPRESSION EQUIPMENT**

- 1) Cynthia Batteen, Personnel Manager
- 2) Operations Coordinator

**APPENDIX D**

**NAME(S) OF INDIVIDUAL(S) RESPONSIBLE FOR  
CONTROL OF ACCUMULATION OF COMBUSTIBLE  
WASTE MATERIALS**

- 1) Soap Production Manager, and in there absents the Soap Production Supervisors and Assistant Supervisors
- 2) Candle Production Manager, and in there absents the Candle Production Supervisors and Assistant Supervisors

## APPENDIX F

### FIRE SAFETY INSPECTION CHECKLIST

#### SMOKING CHECKLIST

- "No Smoking" restrictions being enforced.

#### ELECTRICAL CHECKLIST

- "Octopus" multisocket connections not used.
- Cords and plugs in good condition.
- Extension cords not used in place of a permanent installation or with multiple extension cords interconnected.
- Fuses or circuit breakers of correct capacity and not obstructed.
- Light bulbs clear of combustible materials.
- Appliances and accessories bear Underwriters Laboratory or Factory Mutual label.
- Are electric space heaters equipped with automatic shutoff devices.

#### HOUSEKEEPING CHECKLIST

- Trash containers emptied regularly.
- Trash containers covered tightly.
- Aisles and work spaces clear and free from trash.
- Clear areas maintained around heaters, motors and hot air ducts.
- Free access to electrical switches and controls.
- Floor markings clearly visible for all danger areas around or above equipment.
- Floor markings clearly visible for all emergency areas around fire extinguishers and fire doors.

- Exit and fire door closures unobstructed and in good working order.
- Space and water heating equipment and safety devices serviced regularly and operating correctly.
- Cleaning materials stored in proper locations with covered metal container for combustibles.
- No accumulation of paper, rags, sweepings, or debris.
- All stock and packages properly located and neatly piled.

#### EXTINGUISHER CHECKLIST

- Extinguishers in readily accessible easily identified and in known locations.
- Extinguishers inspected within one year and tagged to so indicate.
- Extinguishers in good operating condition.
- Personnel have been trained in the use of extinguishers.
- Appropriate fire extinguishers mounted within 75 feet of outside areas containing flammable liquids, and within 10 feet of any inside storage areas for such materials.

#### FIRE EMERGENCY CHECKLIST

- Each employee has received training on the Fire Prevention Plan.
- The Prevention Program has been reviewed annually to keep it up-to-date and effective.
- All exits are clear and properly marked.
- Emergency phone numbers are posted.
- Water supplies are available for fire fighting.

## FLAMMABLE AND COMBUSTIBLE MATERIALS CHECKLIST

- Combustible scrap, debris and waste materials (oily rags, etc.) are stored in covered metal receptacles and removed from the work site promptly.
- Proper storage is practiced to minimize the risk of fire including spontaneous combustion.
- Approved containers are used for the storage and handling of flammable and combustible liquids.
- Vacuuming is used whenever possible rather than blowing or sweeping combustible dust.
- Fire extinguishers are selected and provided for the types of material in areas where they are to be used.

Class A: Ordinary combustible material fires.

Class B: Flammable liquid, gas or grease fires.

Class C: Energized-electrical equipment fire.

- All spills of flammable or combustible liquids are cleaned up properly.
- "No Smoking" rules are enforced.
- Controlled (flammable or combustible) liquids are stored in UL-listed flammable liquid storage cabinet or in designated storage areas.
- The flammable liquid storage cabinet doors close and latch automatically when released.



# PRIMAL ELEMENTS

## SAFETY LOCK AND TAG OUT PROCEDURE

The purpose of this lock and tag out procedure is to prevent injury or death to Primal Elements personnel by requiring that certain precautions be taken before servicing or repairing equipment. This includes shutting "off" the electrical power source of the equipment.

On pneumatic and hydraulic systems, the pressure must be released and lines either disconnected or double blocked (with bleed) or blinded, and locked out, if possible. In addition, A DANGER, "Do Not Use", "Do Not Open" or "Do Not Operate" tag is to be placed at the power sources and valves of all equipment being serviced.

## GENERAL SAFETY LOCK AND TAG PROCEDURE

**DANGER TAGS:** Danger tags are not to be considered as a positive means of securing equipment, but are to be used in conjunction with locks. Tags will be used only to identify that work is being done on a valve, switch, or piece of equipment when injury or property damage could result from the operation. No work is to be done on any operable equipment until the operation of it is prevented by the use of this procedure.

Danger tags should be used as outlined below:

1. Only the standard **DANGER** tags will be used. These may also include either the words "**DO NOT USE**" or "**DO NOT OPEN**" depending on the operations at hand.
2. All tags are to be securely attached, dated, and signed by the person performing the work.
3. Tags should be destroyed immediately on removal except those that are designed to be re-used. However, no alterations are permitted.
4. No piece of equipment or device should be operated when there is a tag or lock attached, regardless of what the circumstances may be.
5. No person should ever remove a worker's tag or lock. Only the worker who placed the lock and tag on the equipment should remove it.
6. It is the responsibility of the Director of Operations or supervisor to see that no work is performed beyond the protection of locks and tags which have been installed.
7. Workers may place "multi-lock" devices on the equipment if other employees or trades are involved. All persons working on the equipment must have their own lock and tag in place.

## EQUIPMENT OR FACILITIES

### LOCK OUT/TAG OUT SEQUENCE

- A. The worker places the tag on all controls to warn others that the equipment is not to be operated. The worker writes the reason on the tag(s), identifies the equipment and dates and signs each tag.
- B. The worker will pull power switches and/or circuit breakers and place a lockout clip(s) and a lock(s) on the controls to make them inoperative. Other power sources such as air, steam, or hydraulic may require blinding, disconnection, or valve locking.
- C. After the worker has tagged and locked the equipment, the equipment should then be tried to assure that it will not operate.
- D. All Primal Elements locks and tags should be installed first and removed last, if possible.
- E. When other workers are required to work on equipment, they must place their personal locks and tags on each piece of equipment.
- F. Locks and tags must remain on controls until work has been completed and it is safe to start the equipment. If maintenance or electrical work is to continue into the next shift, persons going off shift must remove their "personal" lock and leave their tag on the equipment. Persons coming on shift must install their own personal lock(s) and tag(s) if they will be working on the equipment.
- G. Upon completion of work, all other workers will remove their locks and tags first. Primal Elements locks and tags are to be removed last after it is determined that the equipment is safe to operate.
- H. No equipment should be started by anyone (including bumping to check rotation) without permission from the Primal Elements Director of Operations, Production Manager or supervisor responsible for the equipment.

### LOCK

- 1. Only individual keyed locks will be used. The key will remain in the possession of the person placing the locks.
- 2. A master series of locks to be used specifically for lockout may be provided to each department that requires them. Master keys for the department will remain in the possession of the **Operations Coordinator**.

## **WARNING**

Any person who operates a switch or device to which "DANGER" tags are attached or removes a tag without authorization **will be subject to dismissal.**

## **SUPERVISORY RESPONSIBILITIES**

1. It must be the responsibility of all supervisors and managers of employees performing such operations to:
  - A. Instruct their employees as to the content of this procedure.
  - B. Periodically follow-up to assure compliance with this procedure.



CITY OF GARDEN GROVE  
 11301 ACACIA PARKWAY  
 GARDEN GROVE, CALIFORNIA 92842  
 (714) 741-5636

**CUPA**

**BUSINESS ACTIVITIES**

FACILITY INFORMATION

**I. FACILITY IDENTIFICATION**

1. FACILITY ID# 3 0 0 3 5  
 2. EPA ID # (Hazardous Waste Only) 411

3. BUSINESS NAME (Same as FACILITY NAME or DBA-Doing Business As) *Primal Elements*

**II. 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...

A. HAZARDOUS MATERIALS		B. UNDERGROUND STORAGE TANKS (USTs)		C. ABOVE GROUND PETROLEUM STORAGE TANKS (ASTs)		D. HAZARDOUS WASTE		E. LOCAL REQUIREMENTS	
4. ✓ HAZARDOUS MATERIALS INVENTORY - CHEMICAL DESCRIPTION (Form 3)	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	1. 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?	1. Own or operate underground storage tanks?	2. Intent to upgrade existing or install new USTs?	3. Need to report closing a UST?	1. Generate hazardous waste?	2. Recycle more than 100 kg/month of excluded or exempted recyclable materials (per HSC §25143.2)?	3. Treat hazardous waste on site?	4. Treatment subject to financial assurance requirements (for Permit by Rule and Condition Authorization)?
5. ✓ UST FACILITY (Formerly SWRCB Form A)	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	2. Own or operate ASTs above these thresholds: - any tank capacity is greater than 660 gallons, or - the total aggregate capacity for the entire facility (ASTs, drums and portable containers) greater than 1,320 gallons?	1. Own or operate ASTs above these thresholds: - any tank capacity is greater than 660 gallons, or - the total aggregate capacity for the entire facility (ASTs, drums and portable containers) greater than 1,320 gallons?	2. Recycle more than 100 kg/month of excluded or exempted recyclable materials (per HSC §25143.2)?	3. Treat hazardous waste on site?	1. Generate hazardous waste?	2. Recycle more than 100 kg/month of excluded or exempted recyclable materials (per HSC §25143.2)?	3. Treat hazardous waste on site?	4. Treatment subject to financial assurance requirements (for Permit by Rule and Condition Authorization)?
6. ✓ UST FACILITY (Formerly Form B)	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	3. Need to report closing a UST?	3. Need to report closing a UST?	2. Recycle more than 100 kg/month of excluded or exempted recyclable materials (per HSC §25143.2)?	3. Treat hazardous waste on site?	1. Generate hazardous waste?	2. Recycle more than 100 kg/month of excluded or exempted recyclable materials (per HSC §25143.2)?	3. Treat hazardous waste on site?	4. Treatment subject to financial assurance requirements (for Permit by Rule and Condition Authorization)?
7. ✓ UST TANK (closure portion-one page per tank) Form C	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	3. Need to report closing a UST?	3. Need to report closing a UST?	2. Recycle more than 100 kg/month of excluded or exempted recyclable materials (per HSC §25143.2)?	3. Treat hazardous waste on site?	1. Generate hazardous waste?	2. Recycle more than 100 kg/month of excluded or exempted recyclable materials (per HSC §25143.2)?	3. Treat hazardous waste on site?	4. Treatment subject to financial assurance requirements (for Permit by Rule and Condition Authorization)?
8. ✓ NO FORM REQUIRED TO CUPAS	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	3. Need to report closing a UST?	3. Need to report closing a UST?	2. Recycle more than 100 kg/month of excluded or exempted recyclable materials (per HSC §25143.2)?	3. Treat hazardous waste on site?	1. Generate hazardous waste?	2. Recycle more than 100 kg/month of excluded or exempted recyclable materials (per HSC §25143.2)?	3. Treat hazardous waste on site?	4. Treatment subject to financial assurance requirements (for Permit by Rule and Condition Authorization)?
9. ✓ EPA ID NUMBER - provide at the top of this page	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	3. Need to report closing a UST?	3. Need to report closing a UST?	2. Recycle more than 100 kg/month of excluded or exempted recyclable materials (per HSC §25143.2)?	3. Treat hazardous waste on site?	1. Generate hazardous waste?	2. Recycle more than 100 kg/month of excluded or exempted recyclable materials (per HSC §25143.2)?	3. Treat hazardous waste on site?	4. Treatment subject to financial assurance requirements (for Permit by Rule and Condition Authorization)?
10. ✓ RECYCLABLE MATERIALS REPORT (one per recycler)	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	3. Need to report closing a UST?	3. Need to report closing a UST?	2. Recycle more than 100 kg/month of excluded or exempted recyclable materials (per HSC §25143.2)?	3. Treat hazardous waste on site?	1. Generate hazardous waste?	2. Recycle more than 100 kg/month of excluded or exempted recyclable materials (per HSC §25143.2)?	3. Treat hazardous waste on site?	4. Treatment subject to financial assurance requirements (for Permit by Rule and Condition Authorization)?
11. ✓ ONSITE HAZARDOUS WASTE TREATMENT - FACILITY (Formerly DTSC Forms 1772)	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	3. Need to report closing a UST?	3. Need to report closing a UST?	2. Recycle more than 100 kg/month of excluded or exempted recyclable materials (per HSC §25143.2)?	3. Treat hazardous waste on site?	1. Generate hazardous waste?	2. Recycle more than 100 kg/month of excluded or exempted recyclable materials (per HSC §25143.2)?	3. Treat hazardous waste on site?	4. Treatment subject to financial assurance requirements (for Permit by Rule and Condition Authorization)?
12. ✓ ONSITE HAZARDOUS WASTE TREATMENT - UNIT (one page per unit) (Formerly DTSC Forms 1772A,B,C,D and L)	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	3. Need to report closing a UST?	3. Need to report closing a UST?	2. Recycle more than 100 kg/month of excluded or exempted recyclable materials (per HSC §25143.2)?	3. Treat hazardous waste on site?	1. Generate hazardous waste?	2. Recycle more than 100 kg/month of excluded or exempted recyclable materials (per HSC §25143.2)?	3. Treat hazardous waste on site?	4. Treatment subject to financial assurance requirements (for Permit by Rule and Condition Authorization)?
13. ✓ CERTIFICATION OF FINANCIAL ASSURANCE (Formerly DTSC Form 1232)	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	3. Need to report closing a UST?	3. Need to report closing a UST?	2. Recycle more than 100 kg/month of excluded or exempted recyclable materials (per HSC §25143.2)?	3. Treat hazardous waste on site?	1. Generate hazardous waste?	2. Recycle more than 100 kg/month of excluded or exempted recyclable materials (per HSC §25143.2)?	3. Treat hazardous waste on site?	4. Treatment subject to financial assurance requirements (for Permit by Rule and Condition Authorization)?
14. ✓ REMOTE WASTE/CONSOLIDATION SITE ANNUAL NOTIFICATION (Formerly DTSC Form 1196)	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	3. Need to report closing a UST?	3. Need to report closing a UST?	2. Recycle more than 100 kg/month of excluded or exempted recyclable materials (per HSC §25143.2)?	3. Treat hazardous waste on site?	1. Generate hazardous waste?	2. Recycle more than 100 kg/month of excluded or exempted recyclable materials (per HSC §25143.2)?	3. Treat hazardous waste on site?	4. Treatment subject to financial assurance requirements (for Permit by Rule and Condition Authorization)?
15. ✓ HAZARDOUS WASTE TANK CLOSURE CERTIFICATION (Formerly DTSC Form 1249)	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	3. Need to report closing a UST?	3. Need to report closing a UST?	2. Recycle more than 100 kg/month of excluded or exempted recyclable materials (per HSC §25143.2)?	3. Treat hazardous waste on site?	1. Generate hazardous waste?	2. Recycle more than 100 kg/month of excluded or exempted recyclable materials (per HSC §25143.2)?	3. Treat hazardous waste on site?	4. Treatment subject to financial assurance requirements (for Permit by Rule and Condition Authorization)?
REGULATED SUBSTANCE REPORTING FORM (Orange County CUPA)	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	3. Need to report closing a UST?	3. Need to report closing a UST?	2. Recycle more than 100 kg/month of excluded or exempted recyclable materials (per HSC §25143.2)?	3. Treat hazardous waste on site?	1. Generate hazardous waste?	2. Recycle more than 100 kg/month of excluded or exempted recyclable materials (per HSC §25143.2)?	3. Treat hazardous waste on site?	4. Treatment subject to financial assurance requirements (for Permit by Rule and Condition Authorization)?