MATERIAL SAFETY DATA SHEET

Material Number/Product Name

2429 - PLATE CLEANER/DESENSITIZER (LITHOGRAPHIC PLATES)

SECTION 1 - COMPANY IDENTIFICATION

Catalog / Sub-assembly Number: CC-10Q
AMERICAN LITHO, INC
4155 Danvers Court SE
Grand Rapids, MI 49512

TRANSPORTATION EMERGENCIES (24HR)
(616) 957-2651
NON-EMERGENCY
General Info (616) 957-2650
(800) 321-1535

FOR INDUSTRIAL USE ONLY.....USE ONLY AS DIRECTED.....DO NOT TAKE INTERNALLY!

SECTION 2 - COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients	CAS Number	Wt.%	OSHA PEL (mg/m3)	ACGIH (mg/m3)
Butyl Cellosolve	111-76-2	5-10%	240 skin	96.6 skin
Sodium Metasilicate	6834-92-0	1-5%	15ppm	10ppm
Water	7732-18-5	80-100%	NE	NE

NE=Not Established STEL=Short Term Exposure Limit C=Ceiling Limits

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

****

Appearance: Clear, pink, aqueous liquid
Odor: Mild odor

Avoid contact with eyes, skin or clothing. Avoid breathing mist or vapor. Do not swallow. Wear chemical safety goggles & neoprene gloves and apron. Wash thoroughly after handling. Keep container closed when not in use. Use only with adequate ventilation. May produce hazardous gases under fire conditions. During emergencies, wear equipment to protect eyes, skin and respiratory tract. Dike or absorb spills to keep material and run-off from entering sewer or waterways. Use water spray to cool containers and disperse vapors. Box may contain multiple containers having multiple components. Consult all MSDSs.

HMIS: Health: 3 Flammability: 1 Reactivity: 0 Protection: C
NFPA: Health: 3 Flammability: 1 Reactivity: 0 Spec. Haz.: CORR

Hazard Rating: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe
A = Gloves B = Gloves & Goggles C = Gloves, Goggles & Apron
D = Face Shield, Gloves, Goggles & Apron

UN NO: UN3266
DOT GUIDE: ERG Guide 153

2429 - PLATE CLEANER/DESENSITIZER (LITHOGRAPHIC PLATES)

****

Potential Health Effects:

Skin: Corrosive

Eyes: Corrosive

Inhalation: Corrosive to respiratory tract and mucous membranes.

Ingestion: Corrosive

Conditions aggravated by exposure:

None expected except those associated with acute effects.

N

SECTION 4 - FIRST AID MEASURES

Eye Contact: Immediately flush with COOL water for 15 minutes. Call a physician.

Skin Contact: In case of skin contact; wash with soap and water for 15 minutes. Call a physician.

Ingestion: In case of ingestion; immediately drink large quantities of water. Discontinue if nauseated or unconscious. Do not induce vomiting. Call a physician.

Inhalation: Immediately remove victim to fresh air. Call a physician for further recommendations.

SECTION 5 - FIRE FIGHTING MEASURES

Flammable Properties

Flash Point:		>200	deg F	TCC
Autoignition Temperature:		N/A	deg F	(CC)
Explosion Limits:	Lower:	N/A	vol.%:	Not Tested
	Upper:	N/A	vol.%:	

Extinguishing Media:

Choose extinguishing media suitable for the surrounding materials, such as water spray, dry chemical, alcohol foam or carbon dioxide.

Unsuitable Extinguishing Media:

No restrictions on media based on knowledge of this material.

Fire Fighting Instructions:

Water spray should be used to cool fire exposed containers and to disperse un-ignited vapors. Use NIOSH/MSHA approved positive pressure self-contained breathing apparatus when material has ignited or becomes involved in a fire. Try to remove material containers from fire area if can be accomplished without risk to personnel.

Evacuate area and fight fire from a safe distance. Call your local fire department. Wear positive pressure, breathing apparatus and protect eyes and skin. Use water to cool fire-exposed containers, to protect personnel and to disperse vapors and spills. Fire media run-off can damage the environment. Dike and collect media used to fight fire.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Small Spills:

For small incidental spills and leaks wear chemical safety goggles, and neoprene gloves and apron or coveralls. Isolate area of spill by diking. Stop source of leak. Add dry absorbent. Clean up and place in an approved D.O.T. container and seal. Wash all contaminated clothing before reuse, and discard contaminated leather shoes.

Large Spills:

For larger spills requiring emergency response, neoprene boots and respiratory protection may also be required. Follow OSHA regulations and NIOSH recommendations for respirator use (29 CFR 1910.134 and NIOSH Pub. 87-108) and emergency response (see 29 CFR 1910.120). Isolate area of spill by diking. Stop source of leak. Add dry absorbent. Clean up and place in an approved D.O.T. container and seal. Wash all contaminated clothing before reuse, and discard contaminated leather shoes. Call the emergency telephone number

shown on the front of this sheet.

SECTION 7 - HANDLING / STORAGE

Handling:
Avoid contact with eyes, skin or clothing. Avoid breathing mist or vapor. Do not swallow. Wear chemical safety goggles and neoprene gloves and apron. Wash thoroughly after handling. Keep container closed when not in use. Use only with adequate ventilation.

Storge:
Store in a cool, dry, well-ventilated area away from all sources of ignition. Keep containers closed when not in use.

SECTION 8 - EXPOSURE CONTROL AND PERSONAL PROTECTION

Ventilation:
Good general ventilation should be sufficient for most processing operations. Vent work area to ensure airborne concentrations are below the current occupational exposure limits. Ten (10) or more room air changes per hour containing a minimum of 15% fresh air will meet these requirements. Consult ASHRAE 62-1989 for further requirements.

Personal Protective Equipment
Respiratory Protection: If used under normal operating conditions and with adequate ventilation, respiratory protection is not required. However, refer to OSHA 29 CFR 1910.134.

Skin Protection:	Neoprene gloves and apron
Eye Protection:	Chemical safety goggles

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear, pink, aqueous liquid
Odor: Mild odor
Change in Physical State:

Boiling Point:	>100 deg C	
Melting Point:	N/D deg F	
Specific Gravity:	1.01	Water=1
Vapour Pressure:	~17	mmHg @ 20C
Viscosity:	N/A	
Solubility in Water:	Complete	
pH Value:	13.0	
VOC (lbs/gal):	0.77	(USEPA Method 24)

SECTION 10 - STABILITY AND REACTIVITY

Hazardous Polymerization:
Hazardous polymerization WILL NOT occur if product is used and stored as directed. Product is stable if used and stored as directed.
Hazardous Decomposition Products:
Oxides of Nitrogen; Oxides of Carbon; Oxides of Sulfur
Materials and Conditions to Avoid:
Keep away from excess heat. Avoid contact with strong oxidizers, strong acids and strong bases. Keep containers and liquids away from all potential sources of ignition.

SECTION 11 - TOXICOLOGICAL INFORMATION

Product Information
LD50 (oral, rat): No Data Available
Acute Overexposure:
Corrosive to all tissues contacted.
Chronic Overexposure:

Prolonged or repeated skin contact may cause allergic reaction and dermatitis.

Ingredient information:

Chronic overexposure to Butyl Cellosolve in high concentrations has caused anemia, liver and blood abnormalities, and kidney and lung damage in laboratory animals; may cause maternal toxicity.

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity Data: No Data Available
Chemical Fate Data: No Data Available

SECTION 13 - DISPOSAL CONSIDERATIONS

Hazardous Waste Characteristic:

D002

Recommendation:

Dispose of contaminated product, empty containers and materials used in cleaning up spills or leaks in a manner approved for this material. Consult appropriate federal, state and local regulatory agencies to ascertain proper disposal procedures. Discharge of processing effluent to the sewer may require a permit. DO NOT discharge effluent solutions to septic systems. Material, if spilled, may exhibit "corrosive" hazardous waste characteristics.

SECTION 14 - TRANSPORTATION INFORMATION

Ground Shipping Information

Proper Shipping Name:	Corrosive Liquid, Basic, Inorganic, N.O.S. (Contains Sodium Metasilicate)
Hazard Class:	8
UN/NA Number:	UN3266
Packing Group:	PGIII

Air (ICAO/IATA) Shipping Information

Proper Shipping Name:	Corrosive Liquid, Basic, Inorganic, N.O.S. (Contains Sodium Metasilicate)
Hazard Class:	8
UN No:	UN3266
Packing Group:	PGIII
Subsidiary Risk:	None
UN/DOT Labels Needed:	Corrosive

International Maritime Organization (IMO) Additional Shipping Class:

IMDG Code:	IMDG 8147-1
Amdt. Code:	Amdt.27-94.
HTS Code:	HTS#3814.00.5000.0

Product is labeled in accordance with US D.O.T. 49 CFR.

Further information:

Please call (616) 957-2650 for further transportation information.

SECTION 15 - REGULATORY INFORMATION

**Note: The ingredient information listed in this section is provided for reporting requirements as dictated by USEPA, state and local regulation. If ingredient is listed in this section but not in Section 2, then the concentration of this ingredient is below de minumis (less than 0.1%).

U.S. FEDERAL REGULATIONS:

313 = SARA Title III Section 313 (40 CFR 372 -- Toxic Release Inventory)
355 = SARA Title III Section 302 (40 CFR 355 -- Extremely Hazardous Substance)
302 = SARA Title III Section 304 (40 CFR 302 -- Hazardous Substance List)
CWA = Clean Water Act Priority Pollutants List
CAA = Clean Air Act 1990 Hazardous Air Contaminants
HAP = Clean Air Act - HON Rule - HAPs

2429 - PLATE CLEANER/DESENSITIZER (LITHOGRAPHIC PLATES)

Ingredients	CAS Number	313	355	302	CWA	CAA	HAP
Butyl Cellosolve	111-76-2	Y	N	Y	N	Y	Y
Sodium Metasilicate	6834-92-0	N	N	N	N	N	N
Water	7732-18-5	N	N	N	N	N	N

TSCA 12(b) Export Notification

CAS NUMBER	CHEMICAL NAME
107-21-1	ETHYLENE GLYCOL
7439-92-1	LEAD

TOXICITY INFORMATION:
IRC1 = IARC Group 1 Human Carcinogens List
IRC2 = IARC Group 2 Human Carcinogens List (limited human data)
IRC3 = IARC Group 2B Human Carcinogens List (sufficient animal data)
NTP = NTP Known Carcinogens List
OSHA = OSHA Known Carcinogens List

Ingredients	CAS Number	IRC1	IRC2	IRC3	NTP	OSHA
Butyl Cellosolve	111-76-2	N	N	N	N	N
Sodium Metasilicate	6834-92-0	N	N	N	N	N
Water	7732-18-5	N	N	N	N	N

STATE REGULATIONS:
FL = Florida Hazardous Substance List
MA = Massachusetts Right-To-Know List
MI = Michigan Critical Materials List
MN = Minnesota Hazardous Substance List
NJ = New Jersey Right-To-Know List
PA = Pennsylvania Right-To-Know List

Ingredients	CAS Number	PA	NJ	MN	MI	MA	FL
Butyl Cellosolve	111-76-2	Y	Y	Y	N	Y	Y
Sodium Metasilicate	6834-92-0	N	N	N	N	N	N
Water	7732-18-5	N	N	N	N	N	N

The following designation is used only for those facilities that have air permits in nonattainment areas for ozone:
Non-Photochemically Reactive

SECTION 16 - OTHER INFORMATION

This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.

HAZARDOUS MATERIALS INVENTORY FORM

FORM 3

☒ ADD ☐ DELETE ☐ REVISED 1 Page ____ of ____ 2

FACILITY ID# 3 0 0 3 5 38 BUSINESS NAME HANDBILL PRINTERS 3

I. FACILITY INFORMATION

CHEMICAL LOCATION
14321 CORPORATE DRIVE 4

CONFIDENTIAL LOCATION EPCRA ☐ Yes ☒ No 5 | MAP # 6 | GRID # 4B 7

II. CHEMICAL INFORMATION

CHEMICAL NAME
SILICONE SPRAY | WASTE ☐ Yes 8 | TRADE SECRET ☐ Yes ☒ No 11
* If EPCRA see instructions

COMMON NAME
SILICONE SPRAY 9 | An EHS Chemical ☐ Yes ☒ No 12
*If EHS is "Yes", all amounts must be LBS

CAS # 10 | FIRE CODE HAZARD CLASSES (supplied by GGFD) 13

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

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

AVERAGE DAILY AMOUNT 19 | MAXIMUM DAILY AMOUNT 100-15 oz CAN 20 | ANNUAL WASTE AMOUNT 21 | STATE WASTE CODE 22

UNITS ☐ a. GALLONS ☐ b. CUBIC FEET ☐ c. POUNDS ☐ d. TONS 23
*If EHS, amount must be in pounds.

DAYS ON SITE 24: 365 | LARGEST CONTAINER 25: 15 oz CAN

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

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

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

	%WT	HAZARDOUS COMPONENT (For mixture or waste only)	EHS	CAS #
1	50 29	LIQUIFIED PETROLEUM GAS 30	☐ Yes ☒ No 31	68476-85-7 32
2	35 29	N-PENTANE 30	☐ Yes ☒ No 31	109-66-0 32
3	7 29	HEPTANE MIXED ISOMERS 30	☐ Yes ☒ No 31	MIXTURE 32
4	5 29	POLYDIMETHYLSILOXANE 30	☐ Yes ☒ No 31	63148-62-9 32
5	3 29	N-HEPTANE 30	☐ Yes ☒ No 31	142-82-5 32

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

PLACARDING INFORMATION

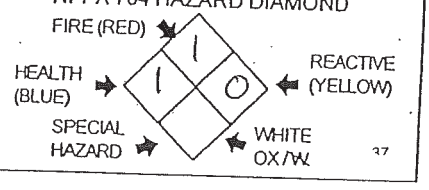
UNDOT # _____ 33
Refer to shipping papers or MSDS

DOT HAZARD CLASS _____ 34
Refer to shipping papers or MSDS

EPCRA ☐ YES ☐ NO 35

X _____
If EPCRA, Please Sign Here 36

NFPA 704 HAZARD DIAMOND 37



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MATERIAL SAFETY DATA SHEET

SILICONE SPRAY

PRODUCT CODE: B015342

Revised: January 03, 2005

HMIS CODES: H F R P
1 4 0 X

SECTION 1 - MANUFACTURER IDENTIFICATION

MANUFACTURER'S NAME: Day International Chemical Products Div.
ADDRESS : 905 South Westwood Avenue
Addison, Illinois 60101

EMERGENCY PHONE: 800-424-9300
NAME OF PREPARER: DAY Chemical Prod. Div.
REASON REVISED: Update; Supersedes All Previous Revisions.

INFORMATION PHONE: 800-336-8276
DATE PRINTED: 01/03/2005

SECTION 2 - HAZARDOUS INGREDIENTS/SARA III INFORMATION

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESSURE MM HG @ TEMP		WEIGHT PERCENT
Liquified Petroleum Gas OSHA PEL: 1000 ppm, ACGIH® TLV®, TWA: 1000 ppm	68476-85-7	760	68°F	50
N-PENTANE OSHA PEL: 600ppm, ACGIH® TLV®, TWA 600ppm,	109-66-0	400	65°F	35
Heptane Mixed Isomers OSHA PEL: N/E, ACGIH® TLV®: N/E	Mixture	45	68°F	7
POLYDIMETHYLSILOXANE OSHA PEL: 5mg/M3, ACGIH® TLV®: 5mg/M3, As mist	63148-62-9	0.0	0.0°F	5
n-Heptane OSHA PEL: 500ppm, ACGIH® TLV®, TWA: 400ppm, STEL: 500ppm	142-82-5			3

*** No toxic chemical(s) subject to the reporting requirements of SECTION 313 of SARA Title III and of 40 CFR 372 are present. *** All ingredients are listed on the EPA TSCA Inventory.

SECTION 3 - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING RANGE/POINT: N/A
VAPOR DENSITY: Heavier than air.
EVAPORATION RATE: Faster than n-Butyl Acetate.
V.O.C. (EPA METHOD 24): 4.61 lb/gl
VAPOR PRESSURE (MM HG @ 20°C): 70psig @ 130°F
SOLUBILITY IN WATER: Negligible
APPEARANCE AND ODOR: Aerosol Can; Clear Liquid - Petroleum Odor

SPECIFIC GRAVITY (H2O=1): .58

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: See * Below
FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: 1.2%

METHOD USED: See*Below
UPPER: 9.2%

EXTINGUISHING MEDIA:
Foam, CO2, Dry chemical. *Product considered to be Extremely Flammable as described in 16CFR 1500.45.

SPECIAL FIREFIGHTING PROCEDURES:
Keep containers cool. Use shielding to protect personnel against bursting, rupturing or venting containers. Water may not be effective to extinguish fire. Use water spray to cool fire-exposed containers.

UNUSUAL FIRE AND EXPLOSION HAZARDS:
At elevated temperatures (Over 130°F) containers may vent, rupture or burst.

MATERIAL SAFETY DATA SHEET

SILICONE SPRAY

SECTION 5 - REACTIVITY DATA

STABILITY:
Stable

CONDITIONS TO AVOID:
Avoid excess heat (above 130°F).

INCOMPATIBILITY (MATERIALS TO AVOID):
Avoid mixing with strong oxidizing agents.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS:
Burning will produce oxides of carbon. Additional toxic chemicals may be formed in small amounts.

HAZARDOUS POLYMERIZATION:
Will Not Occur.

SECTION 6 - HEALTH HAZARD DATA

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:
Excess vapor concentrations are attainable. Overexposure will cause irritation of the nose and throat and cause signs of nervous system depression such as headache, drowsiness, dizziness and unconsciousness.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE:
Skin and eye contact may cause mild to moderate irritation.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:
Single prolonged exposure is not likely to result in the product being absorbed through the skin in harmful amounts.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:
Ingestion of this product will cause nausea, gastro-intestinal irritation, diarrhea and possible damage to vital organs. Follow first aid procedures.

HEALTH HAZARDS (ACUTE AND CHRONIC):
Repeated or abusive breathing of concentrated vapors may effect pulmonary, cardiovascular, and central nervous system. Repeated skin contact will dry out and crack skin.

CARCINOGENICITY: NTP CARCINOGEN: No IARC MONOGRAPHS: No OSHA REGULATED: No

This product contains no known carcinogens.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:
Skin contact may aggravate pre-existing dermatitis. Inhalation of vapors may aggravate pre-existing asthma like conditions.

EMERGENCY AND FIRST AID PROCEDURES:
EYES: Hold eyelids open and flush with water for 15 minutes. Contact a physician if irritation persists. SKIN: Wash with soap and water. INGESTION: Contact local Poison Control Center or physician immediately. INHALATION: Move to fresh air. Give oxygen if breathing is labored.

MATERIAL SAFETY DATA SHEET

SILICONE SPRAY

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:
Eliminate all ignition sources. Soak up material with absorbent. Transfer into a closed container for later disposal. Aerosol propellants are Extremely Flammable.

WASTE DISPOSAL METHOD:
DO NOT puncture or incinerate. When contents are depleted, continue to depress valve until all gas is expelled. Dispose of containers in accordance with local, state and federal regulations. Contact a Licensed Hazardous Waste Hauler for more information.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:
Keep away from sunlight, excess heat, sparks, flames and other sources of ignition. Store at temperature below 130°F. Avoid skin and eye contact. Avoid breathing vapors. Wear proper personal protective equipment when using this product. Store as a Level 3 Aerosol (NFPA 30B).

OTHER PRECAUTIONS/DOT INFORMATION:
For Air Shipment: DOT Proper Shipping Name: Aerosols, Hazard Class: 2.1, ID No.: UN1950, Packing Group: N/A. For Surface Shipment: DOT Proper Shipping Name: Consumer Commodity Hazard Class: ORM-D, ID No.: None, Packing Group: N/A.

SECTION 8 - CONTROL MEASURES

RESPIRATORY PROTECTION:
The use of respiratory protection is advised when concentrations exceed the established exposure limits in SECTION 2. Depending on the airborne concentration, use a respirator with appropriate organic vapor cartridge (NIOSH approved).

VENTILATION:
If current ventilation practices are not adequate to maintain airborne concentrations below the established exposure limits in SECTION 2, additional general ventilation or local exhaust systems may be required.

PROTECTIVE GLOVES:
For brief contact, no precautions are needed. Not required under normal conditions of use. For extended exposure wear gloves made of butyl or Nitrile rubber.

EYE PROTECTION:
Wear safety glasses with side shields.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:
A personal protective rating of X means you must see your supervisor for guidance. OSHA regulations (29CFR Part 1910, Subpart I) require employers to evaluate Personal Protective Equipment requirements in the workplace.

WORK/HYGIENIC PRACTICES:
Wash with soap and water after product contact with skin.

SECTION 9 - DISCLAIMER

The information on this MSDS is believed to be accurate as of the date shown in SECTION 1. Since the use of this product is not under the control of DAY Chemical Products Division, it is the user's responsibility to determine what constitutes safe usage for a particular product. This form may be reproduced in quantities necessary to meet your requirements.

HAZARDOUS MATERIALS INVENTORY FORM

FORM 3

☐ ADD ☐ DELETE ☒ REVISED 1 Page ____ of ____ 2

FACILITY ID# 3 0 0 3 5 38 BUSINESS NAME HANDBILL PRINTERS 3

I. FACILITY INFORMATION

CHEMICAL LOCATION 14321 CORPORATE DRIVE 4

CONFIDENTIAL LOCATION EPCRA ☐ Yes ☒ No 5 MAP # 6 GRID # 4B 7

II. CHEMICAL INFORMATION

CHEMICAL NAME | WASTE ☐ Yes 8 | TRADE SECRET ☒ Yes ☐ No 11 * If EPCRA see instructions

COMMON NAME 3M SUPER 77 SPRAY ADHESIVE 9 | An EHS Chemical ☐ Yes ☒ No 12 *If EHS is "Yes", all amounts must be LBS

CAS # 10 Mixture | FIRE CODE HAZARD CLASSES (supplied by GGFD) Class 3 13

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

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

AVERAGE DAILY AMOUNT 40 19 | MAXIMUM DAILY AMOUNT 32oz 20-16 OZ CANS 20 | ANNUAL WASTE AMOUNT 21 | STATE WASTE CODE 22

UNITS ☒ a. GALLONS ☐ b. CUBIC FEET ☐ c. POUNDS ☐ d. TONS 23 *If EHS, amount must be in pounds. | DAYS ON SITE 365 24 | LARGEST CONTAINER 16oz CAN 25

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

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

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

	%WT	HAZARDOUS COMPONENT (For mixture or waste only)		EHS		CAS #	
1	20-30 29	NONVOLATILE COMPONENTS	30	☐ Yes	☒ No 31	TRADE SECRET	32
2	10-20 29	CYCLOHEXANE	30	☐ Yes	☒ No 31	110-82-7	32
3	10-20 29	2-METHYL PENTATE	30	☐ Yes	☒ No 31	107-83-5	32
4	7-13 29	ISOBUTANE	30	☐ Yes	☒ No 31	75-28-5	32
5	7-13 29	PROPANE	30	☐ Yes	☒ No 31	74-98-6	32

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

PLACARDING INFORMATION

UNDOT # _____ 33
Refer to shipping papers or MSDS

DOT HAZARD CLASS _____ 34
Refer to shipping papers or MSDS

EPCRA ☐ YES ☐ NO 35

X _____ 36
If EPCRA, Please Sign Here

NFPA 704 HAZARD DIAMOND
FIRE (RED) 4
HEALTH (BLUE) 2
REACTIVE (YELLOW) 0
SPECIAL HAZARD WHITE OX/W 37

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3M

Material Safety Data Sheet

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: 3M(TM) Super 77 Classic Spray Adhesive
MANUFACTURER: 3M
DIVISION: Industrial Adhesives and Tapes Division

ADDRESS: 3M Center
St. Paul, MN 55144-1000

EMERGENCY PHONE: 1-800-364-3577 or (651) 737-6501 (24 hours)

Issue Date: 11/15/2006
Supercedes Date: 08/03/2006

Document Group: 11-4257-9

Product Use:
Intended Use: Adhesive aerosol

SECTION 2: INGREDIENTS

Ingredient	C.A.S. No.	% by Wt
Nonvolatile components - N.J. Trade Secret Registry No. 04499600-5776P	Trade Secret	20 - 30
CYCLOHEXANE	110-82-7	10 - 20
2-METHYLPENTANE	107-83-5	10 - 20
ISOBUTANE	75-28-5	7 - 13
PROPANE	74-98-6	7 - 13
DIMETHYL ETHER	115-10-6	7 - 13
3-METHYLPENTANE	96-14-0	3 - 7
2,3-DIMETHYLBUTANE	79-29-8	1 - 5
2,2-DIMETHYLBUTANE	75-83-2	1 - 5
HEXANE	110-54-3	< 1

SECTION 3: HAZARDS IDENTIFICATION

3.1 EMERGENCY OVERVIEW

Odor, Color, Grade: light cream colored, sweet/fruity odor.
General Physical Form: Gas
Immediate health, physical, and environmental hazards: Closed containers exposed to heat from fire may build pressure and explode. Extremely flammable liquid and vapor. Vapors may travel long distances along the ground or floor to an ignition source and

flash back. Aerosol container contains flammable material under pressure. May cause target organ effects.

3.2 POTENTIAL HEALTH EFFECTS

Eye Contact:
Moderate Eye Irritation: Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

Skin Contact:
Prolonged or repeated exposure may cause:
Mild Skin Irritation: Signs/symptoms may include localized redness, swelling, and itching.

May be absorbed through skin and cause target organ effects.

Inhalation:
Upper Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

Intentional concentration and inhalation may be harmful or fatal.

May be absorbed following inhalation and cause target organ effects.

Ingestion:
Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, nausea, diarrhea and vomiting.

May be absorbed following ingestion and cause target organ effects.

Target Organ Effects:
Central Nervous System (CNS) Depression: Signs/symptoms may include headache, dizziness, drowsiness, incoordination, nausea, slowed reaction time, slurred speech, giddiness, and unconsciousness.

Prolonged or repeated exposure may cause:
Liver Effects: Signs/symptoms may include loss of appetite, weight loss, fatigue, weakness, abdominal tenderness and jaundice.

Peripheral Neuropathy: Signs/symptoms may include tingling or numbness of the extremities, incoordination, weakness of the hands and feet, tremors and muscle atrophy.

Kidney Effects: Signs/symptoms may include reduced or absent urine production, increased serum creatinine, lower back pain, increased protein in urine, and increased blood urea nitrogen (BUN).

3.3 POTENTIAL ENVIRONMENTAL EFFECTS

HALOGEN ANALYSIS: The dry ingredients of 3M Super 77 Spray Adhesive were subjected to combustion in a Parr oxygen bomb. The decomposition products were analyzed by Ion Chromotographic analysis for halogen and sulfur content. Chlorine 0.05%;

Fluorine <0.001%, Bromine <0.001%; Sulfur <0.035%.

SECTION 4: FIRST AID MEASURES

4.1 FIRST AID PROCEDURES

The following first aid recommendations are based on an assumption that appropriate personal and industrial hygiene practices are followed.

Eye Contact: Flush eyes with large amounts of water. If signs/symptoms persist, get medical attention.

Skin Contact: Wash affected area with soap and water. If signs/symptoms develop, get medical attention.

Inhalation: Remove person to fresh air. If signs/symptoms develop, get medical attention.

If Swallowed: Do not induce vomiting. Give victim two glasses of water. Never give anything by mouth to an unconscious person. Get immediate medical attention.

SECTION 5: FIRE FIGHTING MEASURES

5.1 FLAMMABLE PROPERTIES

Autoignition temperature	*No Data Available*
Flash Point	-42.00 °F [*Test Method:* Tagliabue Closed Cup]
Flammable Limits - LEL	Approximately 1.5 % volume
Flammable Limits - UEL	Approximately 8.6 % volume
OSHA Flammability Classification:	Class IA Flammable Liquid

5.2 EXTINGUISHING MEDIA

Use fire extinguishers with class B extinguishing agents (e.g., dry chemical, carbon dioxide).

5.3 PROTECTION OF FIRE FIGHTERS

Special Fire Fighting Procedures: Wear full protective equipment (Bunker Gear) and a self-contained breathing apparatus (SCBA).

Unusual Fire and Explosion Hazards: Closed containers exposed to heat from fire may build pressure and explode. Extremely flammable liquid and vapor. Vapors may travel long distances along the ground or floor to an ignition source and flash back. Aerosol container contains gas under pressure. Aerosol container contains flammable material under pressure.

Note: See STABILITY AND REACTIVITY (SECTION 10) for hazardous combustion and thermal decomposition information.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Accidental Release Measures: Refer to other sections of this MSDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment. Call 3M-HELPS line (1-800-364-3577) for more information on handling and managing the spill. Evacuate unprotected and untrained personnel from hazard area. The spill should be cleaned up by qualified personnel. Remove all ignition sources such as flames, smoking materials, and electrical spark sources. Use only non-sparking tools. Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapors, in accordance with good industrial hygiene practice. Warning! A motor could be an ignition source and

could cause flammable gases or vapors in the spill area to burn or explode. Contain spill. Cover spill area with a fire-extinguishing foam. An aqueous film forming foam (AFFF) is recommended. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Remember, adding an absorbent material does not remove a toxic, corrosivity or flammability hazard. Collect as much of the spilled material as possible using non-sparking tools. Clean up residue with an appropriate organic solvent. Read and follow safety precautions on the solvent label and MSDS. Collect the resulting residue containing solution. Place in an approved metal container. Seal the container. Dispose of collected material as soon as possible.

In the event of a release of this material, the user should determine if the release qualifies as reportable according to local, state, and federal regulations.

SECTION 7: HANDLING AND STORAGE

7.1 HANDLING

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water. Keep away from heat, sparks, open flame, pilot lights and other sources of ignition. Do not pierce or burn container, even after use. Avoid breathing of vapors, mists or spray. Avoid eye contact with vapors, mists, or spray. Keep out of the reach of children. Vapors may ignite explosively. May cause flash fire. Prevent build-up of vapors - open all windows and doors. Maintain vapor concentrations below recommended exposure limits. Use only with cross-ventilation. Without adequate ventilation, vapors may settle in low-lying areas. Keep away from heat, sparks, and open flame. Do not smoke or ignite matches, lighters, etc. Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below Occupational Exposure Limits. If ventilation is not adequate, use respiratory protection equipment.

7.2 STORAGE

Store away from acids. Store away from heat. Store out of direct sunlight.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 ENGINEERING CONTROLS

Use with appropriate local exhaust ventilation. Use with functioning spray booth or local exhaust. Do not use in a confined area or areas with little or no air movement. Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below Occupational Exposure Limits and/or control mist, vapor, or spray. If ventilation is not adequate, use respiratory protection equipment. Do not use in a confined area or areas with little or no air movement. If exhaust ventilation is not adequate, use appropriate respiratory protection. Provide ventilation adequate to control vapor concentrations below recommended exposure limits and/or control spray or mist.

8.2 PERSONAL PROTECTIVE EQUIPMENT (PPE)

8.2.1 Eye/Face Protection

Avoid eye contact with vapors, mists, or spray.
The following eye protection(s) are recommended: Safety Glasses with side shields.

8.2.2 Skin Protection

Avoid skin contact.

Select and use gloves and/or protective clothing to prevent skin contact based on the results of an exposure assessment. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible materials.
Gloves made from the following material(s) are recommended: Nitrile Rubber.

8.2.3 Respiratory Protection

Select one of the following NIOSH approved respirators based on airborne concentration of contaminants and in accordance with

OSHA regulations: Half facepiece or fullface air-purifying respirator with organic vapor cartridges. Consult the current 3M Respiratory Selection Guide for additional information or call 1-800-243-4630 for 3M technical assistance.

8.2.4 Prevention of Swallowing
Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water.

8.3 EXPOSURE GUIDELINES

Ingredient	Authority	Type	Limit	Additional Information
CYCLOHEXANE	ACGIH	TWA	100 ppm	
CYCLOHEXANE	OSHA	TWA	300 ppm	Table Z-1
DIMETHYL ETHER	AIHA	TWA	1000 ppm	
DIMETHYL ETHER	CMRG	TWA	1000 ppm	
HEXANE	ACGIH	TWA	50 ppm	Skin Notation*
HEXANE	OSHA	TWA, Vacated	50 ppm	Table Z-1A
HEXANE	OSHA	TWA	500 ppm	Table Z-1A
HEXANE (ISOMERS OTHER THAN N-HEXANE)	ACGIH	TWA	500 ppm	
HEXANE (ISOMERS OTHER THAN N-HEXANE)	ACGIH	STEL	1000 ppm	
ISOBUTANE	ACGIH	TWA	1000 ppm	
PROPANE	ACGIH	TWA	1000 ppm	
PROPANE	OSHA	TWA	1000 ppm	Table Z-1

* Substance(s) refer to the potential contribution to the overall exposure by the cutaneous route including mucous membrane and eye, either by airborne or, more particularly, by direct contact with the substance. Vehicles can alter skin absorption.

VAC Vacated PEL:Vacated Permissible Exposure Limits [PEL] are enforced as the OSHA PEL in some states. Check with your local regulatory agency.

SOURCE OF EXPOSURE LIMIT DATA:
ACGIH: American Conference of Governmental Industrial Hygienists
CMRG: Chemical Manufacturer Recommended Guideline
OSHA: Occupational Safety and Health Administration
AIHA: American Industrial Hygiene Association Workplace Environmental Exposure Level (WEEL)

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Odor, Color, Grade:	light cream colored, sweet/fruity odor.
General Physical Form:	Gas
Autoignition temperature	*No Data Available*
Flash Point	-42.00 °F [*Test Method:* Tagliabue Closed Cup]
Flammable Limits - LEL	Approximately 1.5 % volume
Flammable Limits - UEL	Approximately 8.6 % volume
Vapor Density	2.97 [*Ref Std:* AIR=1]
Specific Gravity	0.697 [*Ref Std:* WATER=1]
pH	Approximately 6.7 Units not avail. or not appl.
Melting point	*No Data Available*
Solubility in Water	Nil

Evaporation rate	1.90 [*Ref Std:* ETHER=1]
Hazardous Air Pollutants	<=1 % weight
Volatile Organic Compounds	75 % [*Test Method:* tested per SCAQMD method 305]
Percent volatile	75 % weight
VOC Less H2O & Exempt Solvents	527 g/l [*Test Method:* tested per SCAQMD method 305]
Viscosity	*Not Applicable*

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable.

Materials and Conditions to Avoid: Heat

Hazardous Polymerization: Hazardous polymerization will not occur.

Hazardous Decomposition or By-Products

Substance	Condition
Aldehydes	During Combustion
Carbon monoxide	During Combustion
Carbon dioxide	During Combustion
Toxic Vapor, Gas, Particulate	During Combustion

SECTION 11: TOXICOLOGICAL INFORMATION

Please contact the address listed on the first page of the MSDS for Toxicological Information on this material and/or its components.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION

Not determined.

CHEMICAL FATE INFORMATION

Not determined.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Method: Incinerate in a permitted hazardous waste incinerator. As a disposal alternative, dispose of waste product in a permitted hazardous waste facility.
The facility should be equipped to handle gaseous waste.
Facility must be capable of handling aerosol cans. Dispose of empty product containers in a sanitary landfill.
RECYCLE EMPTY AEROSOL CONTAINERS WHERE AVAILABLE.

EPA Hazardous Waste Number (RCRA): D001 (Ignitable)

Since regulations vary, consult applicable regulations or authorities before disposal.

SECTION 14: TRANSPORT INFORMATION

ID Number	UPC	ID Number	UPC
62-4437-0921-7		62-4437-0922-5	00-21200-25463-5
62-4437-0925-8	00-21200-30091-2	62-4437-0926-6	
62-4437-0927-4	00-21200-25463-5	62-4437-0928-2	00-21200-25463-5
62-4437-0929-0	00-21200-25463-5	62-4437-0930-8	
62-4437-0931-6		62-4437-0933-2	00-21200-25463-5
62-4437-0934-0	00-21200-25463-5	62-4437-4026-1	00-21200-76098-3
62-4437-4030-3	00-21200-76098-3	62-4437-4830-6	00-21200-85853-6
62-4437-4835-5	00-21200-45142-3	62-4437-4840-5	00-21200-85853-6
62-4437-4925-4		62-4437-4926-2	00-21200-45160-7
62-4437-4930-4	00-21200-96315-5	62-4437-4931-2	00-21200-39245-0
62-4437-4933-8	00-21200-85846-8	62-4437-4935-3	
62-4437-4936-1	00-21200-21210-8	62-4437-4937-9	00-21200-89541-8
62-4437-4938-7	00-21200-39240-5	62-4437-4939-5	
62-4437-9999-4		CS-0406-2131-3	
CS-0406-6984-1		CS-0406-7003-9	

Please contact the emergency numbers listed on the first page of the MSDS for Transportation Information for this material.

SECTION 15: REGULATORY INFORMATION

US FEDERAL REGULATIONS

Contact 3M for more information.

311/312 Hazard Categories:

Fire Hazard - Yes Pressure Hazard - Yes Reactivity Hazard - No Immediate Hazard - Yes Delayed Hazard - Yes

Section 313 Toxic Chemicals subject to the reporting requirements of that section and 40 CFR part 372 (EPCRA):

Ingredient	C.A.S. No	% by Wt
CYCLOHEXANE	110-82-7	10 - 20

This material contains a chemical which requires export notification under TSCA Section 12[b]:

Ingredient (Category if applicable)	C.A.S. No	Regulation	Status
HEXANE	110-54-3	Toxic Substances Control Act (TSCA) 4 Test Rule Chemicals	Applicable

CYCLOHEXANE	110-82-7	Toxic Substances Control Act (TSCA) 4 Test Rule Chemicals	Applicable

STATE REGULATIONS
Contact 3M for more information.

CHEMICAL INVENTORIES
The components of this product are in compliance with the chemical notification requirements of TSCA.

All applicable chemical ingredients in this material are listed on the European Inventory of Existing Chemical Substances (EINECS), or are exempt polymers whose monomers are listed on EINECS.

Contact 3M for more information.

Additional Information: Synthetic polymer, resin and antioxidant. Not hazardous according to Canadian WHMIS criteria. Non-WHMIS controlled.

INTERNATIONAL REGULATIONS
Contact 3M for more information.

WHMIS: Hazardous

This MSDS has been prepared to meet the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200.

SECTION 16: OTHER INFORMATION

NFPA Hazard Classification
Health: 2 **Flammability:** 4 **Reactivity:** 0 **Special Hazards:** None
Aerosol Storage Code: 3

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel to address the hazards that are presented by short-term, acute exposure to a material under conditions of fire, spill, or similar emergencies. Hazard ratings are primarily based on the inherent physical and toxic properties of the material but also include the toxic properties of combustion or decomposition products that are known to be generated in significant quantities.

HMIS Hazard Classification
Health: 2 **Flammability:** 4 **Reactivity:** 0 **Protection:** X - See PPE section.

Hazardous Material Identification System (HMIS(r)) hazard ratings are designed to inform employees of chemical hazards in the workplace. These ratings are based on the inherent properties of the material under expected conditions of normal use and are not intended for use in emergency situations. HMIS(r) ratings are to be used with a fully implemented HMIS(r) program. HMIS(r) is a registered mark of the National Paint and Coatings Association (NPCA).

Revision Changes:
Section 1: Product use information was modified.
Section 3: Immediate physical hazard(s) was modified.
Section 5: Unusual fire and explosion hazard information was modified.
Section 7: Handling information was modified.
Section 15: Inventories comment was modified.

DISCLAIMER: The information in this Material Safety Data Sheet (MSDS) is believed to be correct as of the date issued. 3M MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE. User is responsible for determining whether the 3M product is fit for a particular purpose and suitable for user's method of use or application. Given the variety of factors that can affect the use and application of a 3M product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for user's method of use or application.

3M provides information in electronic form as a service to its customers. Due to the remote possibility that electronic transfer may have resulted in errors, omissions or alterations in this information, 3M makes no representations as to its completeness or accuracy. In addition, information obtained from a database may not be as current as the information in the MSDS available directly from 3M.

HAZARDOUS MATERIALS INVENTORY FORM

FORM 3

GARDEN GROVE FIRE DEPARTMENT EST 1926

☐ ADD ☐ DELETE ☒ REVISED 1

Page _____ of _____ 2

FACILITY ID# 3 0 0 3 5 38 BUSINESS NAME HANDBILL PRINTERS 3

I. FACILITY INFORMATION

CHEMICAL LOCATION
14321 CORPORATE DRIVE 4

CONFIDENTIAL LOCATION EPCRA ☐ Yes ☒ No 5 | MAP # 6 | GRID # 4B 7

II. CHEMICAL INFORMATION

CHEMICAL NAME | WASTE ☐ Yes 8 | TRADE SECRET ☐ Yes ☒ No 11 * If EPCRA see instructions

COMMON NAME BLANKET SAVER #14 9 | An EHS Chemical ☐ Yes ☒ No 12 *If EHS is "Yes", all amounts must be LBS

CAS # mixture 10 | FIRE CODE HAZARD CLASSES (supplied by GGFD) Class 3 13

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

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

AVERAGE DAILY AMOUNT 25 gallons 40 - 400z 19 | MAXIMUM DAILY AMOUNT 25 gallons RW 40 - 400z 20 | ANNUAL WASTE AMOUNT 21 | STATE WASTE CODE 22

UNITS ☐ a. GALLONS ☐ b. CUBIC FEET 23 ☐ c. POUNDS ☐ d. TONS *If EHS, amount must be in pounds. | DAYS ON SITE 365 24 | LARGEST CONTAINER RW 40 oz 25

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

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

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

	%WT	HAZARDOUS COMPONENT (For mixture or waste only)		EHS	CAS #
1	70-76 29	METHYLENE DICHLORIDE	30	☐ Yes ☐ No 31	75-09-2 32
2	7-9 29	METHANOL	30	☐ Yes ☐ No 31	67-56-1 32
3	6-8 29	TOLUENE	30	☐ Yes ☐ No 31	108-88-3 32
4	2-4 29	ETHYLENE ALCOHOL	30	☐ Yes ☐ No 31	107-21-1 32
5	29		30	☐ Yes ☐ No 31	32

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

PLACARDING INFORMATION

UNDOT # _____ 33
Refer to shipping papers or MSDS

DOT HAZARD CLASS 6.1, UN 1593 PG III 34
Refer to shipping papers or MSDS

EPCRA ☐ YES ☐ NO 35

X _____ 36
If EPCRA, Please Sign Here

NFPA 704 HAZARD DIAMOND 37
FIRE (RED) 2
HEALTH (BLUE) 3
REACTIVE (YELLOW) 0
SPECIAL HAZARD WHITE OX/W

MAKE AS MANY COPIES OF CHEMICAL INVENTORY FORM AS NEEDED

HURST CHEMICAL COMPANY

Date Prepared: November 1993
Revised: June 2005

MATERIAL SAFETY DATA SHEET

I. PRODUCT INFORMATION

Trade Name: Blanket Saver 14
Chemical names, common names: Chlorinated Hydrocarbon Base Mixture
Manufacturer's Name: HURST CHEMICAL COMPANY
Address: 2500 San Fernando Rd. Los Angeles, CA 90065
DOT CLASSIFICATION: Dichloromethane Mixture, 6.1, UN 1593, PG III , "Ltd Qty"
For Product Information, call : (323) 223-4121
FOR EMERGENCY, CALL CHEMTREC, 24 HOUR: 800 424-9300

II. HAZARDOUS INGREDIENTS

Chemical Names	CAS Number	Exposure Limits in Air ACGIH (TWA)	OSHA (PEL)
Methylene chloride *	75-09-2	50 ppm	25 ppm
Toluene	108-88-3	100 ppm	100 ppm
Methanol	67-56-1	200 ppm	200 ppm
Ethylene Alcohol	107-21-1	50 ppm	50 ppm ceil.

***Note:** OSHA has reduced the Permisible Exposure Limit (PEL) to 25ppm (part per million) as an 8-hour Time Weighted Average (TWA), the previous PEL was 500ppm.
Short Term Exposure Limit (STEL) for methylene chloride is 125ppm.

Section IIA - This product contains the following chemicals subject to reporting requirements of SARA 313 and 40 CFR 372.

Listed Ingredients	CAS Number	Weight % Range
Methylene Dichloride	75-09-2	70-76%
Toluene	108-88-3	6-8%
Methanol	67-56-1	7-9%
Ethylene Alcohol	107-21-1	2-4%

WARNING: This product contains a chemical (Toluene) known to the State of California to cause birth defects or other reproductive harm.
WARNING: This product contains a chemical (Methylene Chloride) known to the State of California to cause cancer.

III. PHYSICAL PROPERTIES

Vapor density (air = 1): >1
Specific Gravity: 1.18
Density lb/gal: 9.84
Solubility in water: < 1%
VOC Composite Partial Pressure, mm Hg at 20°C:21.00
Evaporation rate (Bu Ac = 1): N/A
Boiling Range °F: 104-388
Appearance and odor: Green Gel with mild Chlorinated Hydrocarbon odor
Photochemical Reactivity Rule-102: Non-Photechemically Reactive
Volatile Organic Content (VOC,EPA Method 24): 247 gm/l or 2.1 lb/gal

IV. FIRE AND EXPLOSION

	HAZARD RANKING		
HMIS	Health Hazard=3*	0=Least	4=Extreme
HAZARD	Flammability=2	1=Slight	
CLASS	Reactivity= 0	2=Moderate	
	Other = Goggles	3 = High	

* = Long term Chronic health effect.

Flash Point °F: 104 TCC

Fire extinguishing materials: No water spray Yes carbon dioxide Yes foam
Yes dry chemical No other

Special firefighting procedures: The use of SCBA is recommended for fire fighters. Water spray may be useful in minimizing vapors and cooling containers exposed to heat and flame. Avoid spreading burning liquid with water it's used for cooling purposes.

Unusual fire and explosion hazards: Blends containing chlorinated products may exhibit reduced flash point as the more volatile chlorinate evaporates. Contact with Aluminum parts in a pressurizable fluid system may cause violent reactions.

V. HEALTH HAZARD INFORMATION

SYMPTOMS OF OVEREXPOSURE FOR EACH POTENTIAL ROUTE OF EXPOSURE -

Inhaled: While this material has a low degree of Toxicity, Breathing high concentration of vapors or mists may cause irritation of the nose and throat, signs of nervous system depression. Prolonged or repeated exposure to vapor or mists may cause visual disturbances. (including blindness). Respiratory symptoms associated with pre-existing lung disorders may be aggravated by exposure to this material.

Contact with skin or eyes: This product may cause skin and eye irritation. Direct and prolonged contact may cause stinging, tearing and redness of eyes, burning, drying and cracking of skin. Contact may result in skin absorption. But symptoms of toxicity are not anticipated by this route alone.

Swallowed:This material is toxic and may be harmful if swallowed. Symptoms of toxicity include irritation of the digestive tract, vomiting, signs of nervous system, depression, abdominal pain, Visual disturbances. (including blindness), convulsions, coma, death.

HEALTH EFFECTS OR RISKS FROM EXPOSURE -

Acute: This product may cause eye, skin & digestive tract irritation, central nervous system depression.

Chronic: Visual disturbances (including blindness), Brain damage, convulsions and death.

FIRST AID: EMERGENCY PROCEDURES -

Eye Contact: Move victim away from exposure and into fresh air. For direct contact, hold eyelids apart and flush affected eye(s) with clean water for 15 minutes seek medical attention.

Skin Contact: Remove contaminated clothing. Cleanse affected area(s) thoroughly by washing with soap and water. If irruption or redness develops and persists, seek medical attention.

Inhaled: If respiratory symptoms develop, move victim away from source of exposure and into fresh air. If symptoms persist, seek medical attention. If victim is not breathing give artificial respiration.

Swallowed: Seek emergency medical attention. This material is toxic and an aspiration hazard. If victim is conscious, vomiting should be induced for ingestions of large amounts (more than 5 ounces) preferably with syrup of ipecac under direction from a physician or poison center. If syrup of ipecac is not available, vomiting can be induced by gently placing 2 fingers in the back of the throat. Do not leave victim unattended.

COMMENTS: Methylene chloride is a possible human cancer hazard based on tests with Laboratory animals and has been identified as a possible carcinogen by IARC. Methylene chloride forms carbon monoxide in the body and may interfere with normal blood function if exposure to high concentrations occurs.Toluene in this product can cause irreversible changes in the genetic material (DNA) of a cell. Intentional misuse by deliberate inhalation of Toluene has been shown to cause Liver, Kidney and brain damage. Reports have associated repeated and prolonged occupational over exposure to solvents with permanent brain and nervous system damage (sometimes referred to as solvent or painter's syndrome). Intentional misuse by deliberately concentrating or inhaling this product may be harmful or fatal.

VI. REACTIVITY DATA

Stability: Stable under ordinary use and storage.

Incompatibility (materials to avoid): Avoid contact with oxygen, nitrogen peroxide, oxidizers, reactive metals (eg. Aluminum, potassium, sodium etc.), Incompatible with strong acids or bases, oxidizing agents and selected amines.

Hazardous Decomposition products (including combustion products): Carbon monoxide/ carbon dioxide, phosgene and/or hydrogen chloride.

Hazardous polymerization: Will not occur under ordinary use and storage.

VII. SPILL, LEAK, AND DISPOSAL PROCEDURES

Spill response procedures: Stay upwind and away from spill. Keep all sources of ignition away from spill. A universal type foam may be used to suppress vapors. Keep out of drains, sewers, or waterways, Use sand or other inert material to dam and contain spill. Do not flush area with water: use absorbent pads., Contact fire authorities and appropriate

federal, state or local agencies. If spill in excess of EPA Reportable quantity is made into the environment, immediately notify the National Response Center. 1 800-424-8802 (Methylene chloride) DOT/CERCLA reportable quantity. 1,333.33 LBS. Preparing wastes for disposal: Dispose of product in accordance with Local, County, State and Federal regulations.

VIII. SPECIAL HANDLING INFORMATION

Ventilation and engineering controls: If current ventilation practices are not adequate to maintain. Airborne concentrations below established exposure limits (See II) additional ventilation or exhaust systems may be required. Where explosive mixtures may be present, systems safe for such location should be used.
Respiratory Protection: If airborne concentrations exceed established exposure limits, use a supplied air respirator.
Eye Protection: Use safety goggles where solvent splashes are expected.
Gloves: The use of gloves impermeable to the specific material handled is advisable to prevent skin contact and possible irritation.
Other clothing and equipment: Eye wash and quick drench shower facilities should be available in the work area. Thoroughly clean shoes and wash contaminated clothing before reuse.
Work practices, hygienic practices: Practice personal cleanliness by prompt removal of solvent in contact with skin. Train all employees on special handling procedures prior to working with this product.

OTHER HANDLING AND STORAGE REQUIREMENTS:

Keep containers tightly closed. Keep containers cool, dry and away from sources of ignition. Use and store this product with adequate ventilation. Avoid inhalation of vapors and personal contact with the product. Use good personal hygiene practice.

HURST CHEMICAL COMPANY furnishes Material Safety Data Sheets based upon information from raw material suppliers. This information is provided in compliance with Federal Regulation 29CFR 1910.
HOWEVER, NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE OR ANY OTHER WARRANTY IS EXPRESSED OR IS TO BE IMPLIED REGARDING THE ACCURACY OR COMPLETENESS OF THIS INFORMATION, THE RESULTS TO BE OBTAINED FROM THE USE OF THIS INFORMATION OR THE PRODUCT, THE SAFETY OF THIS PRODUCT, OR THE HAZARDS RELATED TO ITS USE.
This information and product are furnished on the condition that the person receiving them shall make his own determination as to the suitability of the product for his particular purpose and on the condition that he assume the risk of his use thereof.

Prepared By: A. O. KORKIN, Ph.D.

HAZARDOUS MATERIALS INVENTORY FORM

FORM 3

GARDEN GROVE FIRE DEPARTMENT EST 1978

☐ ADD ☐ DELETE ☒ REVISED 1 Page ____ of ____ 2

FACILITY ID# 30 0 35 38 BUSINESS NAME HANDBILL PRINTERS 3

I. FACILITY INFORMATION

CHEMICAL LOCATION 14321 CORPORATE DRIVE 4

CONFIDENTIAL LOCATION EPCRA ☐ Yes ☒ No 5 MAP # 1 6 GRID # 4B 7

II. CHEMICAL INFORMATION

CHEMICAL NAME | WASTE ☐ Yes 8 | TRADE SECRET ☐ Yes ☒ No 11 * If EPCRA see instructions

COMMON NAME GLASS CLEANER 19 oz 9 | An EHS Chemical ☐ Yes ☒ No 12 *If EHS is "Yes", all amounts must be LBS

CAS # Mixture 10 | FIRE CODE HAZARD CLASSES (supplied by GGFD) Class 6 13

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

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

AVERAGE DAILY AMOUNT 1 19 | MAXIMUM DAILY AMOUNT 1 gallon 4-19oz CAN 20 | ANNUAL WASTE AMOUNT 21 | STATE WASTE CODE 22

UNITS ☒ a. GALLONS ☐ b. CUBIC FEET ☐ c. POUNDS ☐ d. TONS 23 *If EHS, amount must be in pounds. | DAYS ON SITE 365 24 | LARGEST CONTAINER 19 oz CAN 25

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

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

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

	%WT	HAZARDOUS COMPONENT (For mixture or waste only)	EHS	CAS #
1	1-10 29	ETHANOL 30	☐ Yes ☐ No 31	64-17-5 32
2	1-10 29	2-BUTOXYETHANOL 30	☐ Yes ☐ No 31	111-76-2 32
3	1-10 29	LIQUIFIED PETROLEUM GAS MIXTURE 30	☐ Yes ☐ No 31	68476-86-8 32
4	29	30	☐ Yes ☐ No 31	32
5	29	30	☐ Yes ☐ No 31	32

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

PLACARDING INFORMATION

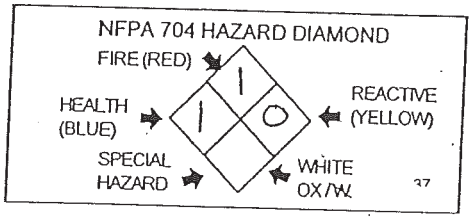
UNDOT # _____ 33
Refer to shipping papers or MSDS

DOT HAZARD CLASS _____ 34
Refer to shipping papers or MSDS

EPCRA ☐ YES ☐ NO 35

X _____ 36
If EPCRA, Please Sign Here

NFPA 704 HAZARD DIAMOND 37



MAKE AS MANY COPIES OF CHEMICAL INVENTORY FORM AS NEEDED

Page 1 M A T E R I A L S A F E T Y D A T A S H E E T (MSDS) MSDS826 050 050

ITEM NUMBER: 050 - G L A S S C L E A N E R 1 9 O Z .
VERSION 5 EFFECTIVE DATE: 11/10/05 SUPERCEDES: 05/03/04 PREPARED BY: Regulatory Compliance
Section(s) Revised: II, III, VI, VIII
IDENTITY (As Used On Label and List): GLASS CLEANER 19 OZ.

E M E R G E N C Y M E D I C A L Telephone# 1-866-836-8855 (24 Hrs) Outside of the U.S.A. Call 952-852-4646

PRODUCT HAZARD RATINGS (HMIS): Health = *1, Fire = 1, Reactivity = 0 Protective Equipment = A
(Rating Legend: - 4 = Extreme, 3 = Serious, 2 = Moderate, 1 = Slight, 0 = Minimal, * = Chronic Hazard)

--*-*-*-*-*-*-*-*-*-* SECTION I

SPRAYWAY, INC.
484 VISTA
ADDISON

IL 60101

TELEPHONE NUMBER FOR INFORMATION : 630-628-3000

DATE PRINTED : 5/11/06 NAME OF PREPARER : REGULATORY COMPLIANCE

--*-*-*-*-*-*-*-*-*-* SECTION II - HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

Chemical Names (CAS #)	SARA SEC 313	ACGIH TLV-TWA/STEL	OSHA PEL-TWA/STEL	% By Wt.
Ethanol (64-17-5)	No	1000 ppm/ NE	1000 ppm/ NE	1-10
2-Butoxyethanol (111-76-2)	Yes	25 ppm/ NE	50 ppm/ NE	1-10
Liquefied Petroleum Gas Mixture 68476-86-8)	No	See below ingredient data		1-10
Propane (74-98-6)	No	1000 ppm/ NE	1000 ppm/ NE	-
n-Butane (106-97-8)	No	1000 ppm/ NE	NE / NE	-
Isobutane (75-28-5)	No	1000 ppm/ NE	NE / NE	-

Balance of ingredients are non-hazardous or below reportable levels.

--*-*-*-*-*-*-*-*-*-* SECTION III - PHYSICAL CHARACTERISTICS

Boiling Point: NA Vapor Pressure (psig)(5 psig): 153 @ 130 F / 68 @ 70 F
Specific Gravity - calculated (H20=1): 0.9577 ± 0.005 pH: 10 Solubility/Water: Completely Vapor Density (AIR=1): ND Evaporation Rate (Ether=1): ND
Appearance and Odor: Clear, pale yellow aerosol spray with butyl odor.

--*-*-*-*-*-*-*-*-*-* SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Aerosol Flammability: Product is not required to be labeled as flammable as described in 16 CFR 1500.3 and 1500.45.
Flashpoint: <0 F (Propellant): none even upon boiling (Concentrate)
Flammable Limits - % Volume In Air (Propellant): LEL: 1.9 UEL: 9.5
Extinguishing Media: Carbon dioxide, water spray, foam, or dry chemical.
Special Fire Fighting Procedures: Containers should be cooled with water to prevent vapor pressure build up. Use equipment or shielding, as required, to protect personnel from bursting, rupturing or venting containers.
Unusual Fire and Explosion Hazards: Fire fighters and others who may be exposed to the products of Combustion should be equipped with NIOSH-approved positive pressure self-contained breathing apparatus (SCBA) and full protection clothing. At elevated temperatures (over 54C-130F) containers exposed to direct flame or heat contact should be cooled with water to prevent weakening of container structure.

--*-*-*-*-*-*-*-*-*-* SECTION V - REACTIVITY DATA

Stability: Stable Hazardous Polymerization: NA
Incompatibility (Materials to Avoid): Oxidizing agents, reducing agents.
Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, hydrocarbon vapors.
Conditions to Avoid: Keep away from heat, sparks, and flames. Dropping of containers may cause bursting.

--*-*-*-*-*-*-*-*-*-*-* SECTION VI - HEALTH HAZARD DATA -*

Route(s) of Entry: Inhalation: Y Eyes: Y Skin: Y Ingestion: N
HAZARDS IDENTIFICATION:

EYES: May cause mild irritation.

SKIN: Prolonged or repeated contact may cause irritation.

INHALATION: High concentration or prolonged exposure can be irritating to eyes, nose and respiratory tract. High concentration may cause dizziness, drowsiness, headaches, incoordination, anesthetic or narcotic effects, and other types of Central Nervous System depression. Prolonged exposure can cause myocardial irritation, visual disturbances, and metabolic acidosis.

INGESTION: Exposure by ingestion is unlikely since an aerosol, but if occurs: Irritating to the mouth, throat and stomach.

AGGRAVATED MEDICAL CONDITIONS: May aggravate pre-existing skin, nervous system, kidney conditions.
CHRONIC EXPOSURE: May affect the Nervous System, Liver, Kidneys, Lungs and/or respiratory system. Blood and/or blood-forming organs, Heart and/or circulatory system, Mucous membranes.
EMERGENCY AND FIRST AID PROCEDURES:

EYES: Immediately flush with plenty of water for at least 15 minutes. Get prompt medical attention.

SKIN: Immediately flush with plenty of water for at least 15 minutes. Get prompt medical attention.

INHALATION: Remove to fresh air. If symptoms develop, seek immediate medical attention. If not breathing, give artificial respiration.

INGESTION: In the unlikely event of swallowing: Get immediate medical attention. Do NOT induce vomiting unless directed by medical personnel. Never give anything by mouth to an unconscious person.

CARCINOGENICITY:

	ACGIH	IARC	NTP	OSHA
2-Butoxyethanol	A3	No	No	No

TOXICITY INFORMATION:

2-Butoxyethanol:

Chronic exposure may affect the liver and kidneys and may increase red blood cell hemolysis, which could cause jaundice, fatigue, shortness of breath, and rapid heart rate.

LD50 Oral (Rat):	>470 mg/kg
LD50 Dermal (Rabbit):	220 mg/kg
LC50 Inhalation (Rat):	400 ppm/4 hr.

Ingestion of ethanol or methanol by pregnant women increases the risk of birth defects.

--*-*-*-*-*-*-*-*-*-*-* SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE -*

Releases or Spills: Remove all sources of ignition and ventilate area. Soak up spill with an inert absorbent and place into a designated disposal container. Consult local regulatory agency for proper disposition of material.

Waste Disposal Method: Do not puncture or incinerate containers. When contents are depleted continue to Depress button until all gas is expelled. Dispose of container in accordance with local, state, and federal regulations. Disposal regulations may be different for each state and/or locality.

Handling And Storing: Avoid breathing vapor. Keep away from heat, sparks and flame. Use with adequate ventilation. Do not puncture or incinerate containers. Do not expose to direct sunlight or store at temperatures above 120 F (48.9 C). Store as Level 1 Aerosol (NFPA 30B).

Other Precautions: Please read and follow the directions on the product label: they are your best guide to using this product in the most effective way, and give the necessary safety precautions to protect your health.

--*-*-*-*-*-*-*-*-*-* SECTION VIII - EMPLOYEE PROTECTION -*

Respiratory Protection (Type): None required if good ventilation is maintained. If exposure exceeds Occupational exposure limits (Sec. II), use a NIOSH approved respirator to prevent overexposure.
Ventilation: General ventilation is adequate under normal conditions; mechanical ventilation is optional.
Protective Gloves: Chemical resistant gloves are optional - consult glove manufacturer to determine the proper type for a specific operation.
Eye Protection: Safety glasses are recommended.
Other Protective Clothing or Equipment: Wearing of impervious clothing to prevent skin contact is optional.
Work/Hygienic Practices: Ensure strict sanitary conditions are conformed to when working around chemicals. Protective clothing and equipment should be in accordance with 29 CFR 1910.132 and CFR 1910.133.

--*-*-*-*-*-*-*-*-*-* Section IX-Other Regulatory Controls -*-*-*-*-*-*-*-*-*-*-*-*-

FEDERAL:
Toxic Substance Control Act (TSCA): Ingredients of this product are listed on the EPA/TSCA Inventory of Chemical Substances.
STATE RIGHT-TO-KNOW:
Pennsylvania/New Jersey Right-To-Know (Chemical and CAS No.):
Deionized Water (7732-18-5)
Ethyl Alcohol (64-17-5)
2-Butoxyethanol (111-76-2)
Methyl Alcohol (67-56-1)
Liquefied petroleum gas mixture (68476-85-7)
Propane (74-98-6)
n-Butane (106-97-8)
Isobutane (75-28-5)
CANADA:
Domestic Substances List:
Ingredients of this product are listed.

--*-*-*-*-*-*-*-*-*-* Section X-Transportation (D.O.T. Classification) -*-*-*-*-*-*-*-*-*-*-*-*-

Proper Shipping Name: Consumer Commodity Hazard Class: ORM-D

NG - Negligible NA-- Not Applicable NE-- Not Established UN-- Unavailable ND-- Not Determined

While the information set forth herein is believed to be accurate as of the date hereof, the Company makes no warranty or guarantee, express or implied, and disclaims all liability arising out of the use of this information.

2

Material Safety Data Sheet Date Prepared: 07/28/03 Supercedes Date: 01/04/01

1. CHEMICAL PRODUCT AND COMPANY DESCRIPTION

VIN-DOTCO, INC.
2875 MCI Drive.
Pinellas Park, Fl. 33782-6105

Emergency Phone Numbers:
727-217-9200 or
Chem-Tel, Inc. 1-800-255-3924 after 5pm

Product Name or Synonym

Really Works ® Original Heavy Duty Gel Citrus Hand Cleaner SMOOTH and with PUMICE.

Really Works ® Original Heavy Duty Printer & Pressman Gel Citrus Hand Cleaner SMOOTH and with PUMICE.

2. COMPOSITION/INFORMATION AND INGREDIENTS

Component	CAS Reg. Number	OSHA Hazard	Percentage

Proprietary Ingredients Protected by Trade Secret. Disclosures Filed With Appropriate National Government Authorities.

3. HAZARDS IDENTIFICATION

A. **Emergency Overview:** Individual Ingredients not considered carcinogenic by NTP, OSHA or IRAC. Components are not considered hazardous by ingestion but are capable of producing gastrointestinal irritation and upset.

Physical Appearance and Odor
White opaque gel with a fresh orange odor.

Warning Statements:

B. **Potential Heath Effects:**

Acute Eye: Eye Irritation consistent with a soap and solvent based product.

Acute Skin: None.

Acute Inhalation: Not applicable

Acute Ingestion: Capable of irritation to the gastrointestinal tract with vomiting and diarrhea possible. Vomiting poses the risk of aspiration pneumonia due to solvent content of product.

Chronic Effects:
No known Chronic Effects

4. FIRST AID MEASURES

FIRST AID MEASURES FOR ACCIDENTAL EXPOSURE:

Eye Exposure: Flush with flowing water at lease 15 minutes, contact physician if irritation persists.

Skin Exposure: Not Applicable

Inhalation: Not Applicable

Ingestion: Give water to dilute the substance, contact a physician immediately.

MEDICAL CONDITIONS POSSIBLY AGGRAVATED BY EXPOSURE: Irritant to broken skin.

NOTES TO PHYSICIAN: If product is swallowed possible aspiration pneumonia is a complication that may require prompt medical intervention similar to the treatment for ingestion of hydrocarbon solvents. This product exhibits a low human toxicity risk however.

5. FIRE FIGHTING MEASURES

Fire Hazard Data: Although product exhibits a flash point, the blended components which comprise this finished product do not sustain combustion (burning) in normal use due to the presence of non-flammable ingredients.

Flash Point: 102F Pensky Martins Closed Cup

Flammability Limits (vol/vol%) **Lower:** **Upper:**
Product is not flammable!

Extinguishing Methods: Dry Chemical, Foam or CO2 if residual ingredients are burning following thermal decomposition.

Special Fire Fighting Procedures: None

Unusual Fire and Explosion Hazards; None

Hazardous Decomposition Materials (Under Fire Conditions) : Oxides of Nitrogen, Sulfur, and Carbon may form as thermal decomposition products.

6. ACCIDENTIAL RELEASE MEASURES

Evacuation Procedures and Safety: No special evacuation requirements, breathing protection required when approaching containers under fire conditions.

Containment of Spill: If spill is large dike off, in a containment area and scoop up into disposal containers. Product is biodegradable and may be safely disposed of in a landfill or at an incineration facility. Residual product may be rinsed off to drains with water.

Cleanup and Disposal of Spills: Small spills may be wiped up with absorbent towels. Large spills should be contained absorbed and placed in suitable containers for disposal. Incinerate or landfill waste in a properly permitted facility complying with federal, state and or local regulations.

Environmental and Regulatory Information: Product is not subject to regulation in the USA. Product is completely biodegradable.

7. HANDLING AND STORAGE

Minimum/Maximum Storage Temperatures:

Handling: 40-120F (5-50C)

Storage: Between 40-120F (5-50C) in original containers. DO NOT FREEZE.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Exposure Guidelines: None applicable

Engineering Controls: None Required

Respiratory Protection: Not required.

Eye/Face Protection: None required, avoid direct eye contact however.

Skin Protection: Not required.

8. EXPOSURE AND CHEMICAL PROPERTIES

Physical Appearance: White Opaque Gel

Odor: Mild Fresh Orange.

pH: 8.0 to 9.0 (8.8 is typical)

Specific Gravity: (H20=1) : 0.84 @ 20C

Water Solubility: Dissolves completely, forms stable emulsion at higher concentrations in water.

Melting Point Range: NA

Boiling Point Range: 93-105C approximately)

9. PHYSICAL AND CHEMICAL PROPERTIES

Vapor Pressure: (mm Hg @ 68F) : 18mm estimate.

Vapor Density: (Air=1) : 0.7

10. STABILITY AND REACTIVITY

Chemical Stability: Stable

Conditions To Be Avoided: Do Not Freeze!

Materials/Chemical To Be Avoided: Oxidizing Agents

The Following Hazardous Decomposition Products Might Be Expected:
Decomposition Type: Oxides of Nitrogen, Sulfur, and Carbon

Hazardous Polymerization: Will Not Occur.

11. TOXICOLOGICAL INFORMATION

Based on the known toxicity profile of the components utilized in its manufacture, this product is not known to be toxic at **any** concentration.

12. ECOLOGICAL INFORMATION

Ecotoxicological Information: Environmentally Non-Toxic

Chemical Fate Information: Influence of oxygen, microorganisms, and sunlight serve to biodegrade this product to inorganic salts (complete mineralization) conditions, carbon dioxide, and water. Oxygen is required for this biodegradation process. Oxygen will deplete from waters that have received a large amount of this product in its concentrated form

13. Chemical Information

Waste Disposal Method: Landfill or rinse to sewage treatment facility.

Container Handling and Disposal: Store in original containers, dispose as non-hazardous waste.

EPA Hazardous Waste: Not EPA Hazardous.

14. TRANSPORTATION INFORMATION

Transportation Status: IMPORTANT Statements below provide additional data in listed DOT Classification.

US Department of Transportation

Shipping Name: Not regulated for transport.

Ingredients not classified in ADR/RID, and/ADNR, IMDG, IATA/ICAO-DGR.

15. REGULATORY INFORMATION

Inventory Status: Ingredients Listed on TSCA, EINECS,DSL,ENCS (Japan), Korea, Australia, China, PICCS (Philippines).

SARA Title III Hazard Class: Not subject to reporting requirements

Other Federal Regulations: All ingredients listed on TSCA inventory.

State Regulations: None Applicable

16. OTHER INFORMATION

National Fire Protection Association Hazard Rating—NFP = 0,1,0.

Hazardous Materials Identification System—HMIS (Ratings): 0,0,0.

Disclaimer: While Vin-Dotco Inc., believes the data set forth herein are accurate as of the date hereof, Vin-Dotco, Inc. makes no warranty with respect thereto and expressly disclaims all liability for reliance thereon. Compliance with all applicable federal, state, and local laws and regulations remains the responsibility of the user.

HAZARDOUS MATERIALS INVENTORY FORM

FORM 3

☒ ADD ☐ DELETE ☐ REVISED 1 Page ____ of ____ 2

FACILITY ID# 30 0 35 38 BUSINESS NAME HANDBILL PRINTERS 3

I. FACILITY INFORMATION

CHEMICAL LOCATION 14321 CORPORATE DRIVE 4

CONFIDENTIAL LOCATION EPCRA ☐ Yes ☒ No 5 MAP # 6 GRID # 4B 7

II. CHEMICAL INFORMATION

CHEMICAL NAME | WASTE ☐ Yes 8 | TRADE SECRET ☐ Yes ☒ No 11 * If EPCRA see instructions

COMMON NAME DNS NEUTRALIZER POWDER 9 | An EHS Chemical ☐ Yes ☒ No 12 *If EHS is "Yes", all amounts must be LBS

CAS # 77-92-9 10 | FIRE CODE HAZARD CLASSES (supplied by GGFD) 13

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

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

AVERAGE DAILY AMOUNT 5 19 | MAXIMUM DAILY AMOUNT 5 20 | ANNUAL WASTE AMOUNT 21 | STATE WASTE CODE 22

UNITS ☒ a. GALLONS ☐ b. CUBIC FEET ☐ c. POUNDS ☐ d. TONS 23 *If EHS, amount must be in pounds. | DAYS ON SITE 365 24 | LARGEST CONTAINER 5 GAL. 25

STORAGE CONTAINER (Check all that apply) 26

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

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

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

	%WT	HAZARDOUS COMPONENT (For mixture or waste only)	EHS	CAS #
1	80 29	CITRIC ACID, ANCHYDROUS 30	☐ Yes ☐ No 31	77-92-9 32
2	29	30	☐ Yes ☐ No 31	32
3	29	30	☐ Yes ☐ No 31	32
4	29	30	☐ Yes ☐ No 31	32
5	29	30	☐ Yes ☐ No 31	32

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

PLACARDING INFORMATION

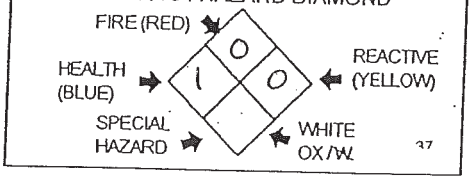
UNDOT # _____ 33
Refer to shipping papers or MSDS

DOT HAZARD CLASS _____ 34
Refer to shipping papers or MSDS

EPCRA ☐ YES ☐ NO 35

X _____
If EPCRA, Please Sign Here 36

NFPA 704 HAZARD DIAMOND



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MAKE AS MANY COPIES OF CHEMICAL INVENTORY FORM AS NEEDED

3

CRONITE COMPANY, INC.
MATERIAL SAFETY DATA SHEET

JH1-219A

Section I

Manufacturer's Name
Cronite Co., Inc.
Address
120 E. Halsey Road
Parsippany, NJ 07054

Trade Name
DNS Neutralizer Powder

Emergency Phone No.
(800) 424-9300
Information Phone No.
(973) 887-7900
Date Prepared
December 2002
Chemical Classification
Salt

Section II

Ingredient (% by weight)	CAS #	PEL mg/m3	TLV mg/m3	LD 50 mg/Kg
Citric Acid, Anhydrous >80%	77-92-9	NE	NE	NE

Precautionary Statement

May cause skin and eye irritation.
Do not get in eyes, on skin or clothing.
Use with adequate ventilation.
Do not take internally.
Wash thoroughly after handling.
Keep out of reach of children.

Section III - Physical/Chemical Characteristics

Melting Point: 307° F.
Vapor pressure: NA
Vapor Density: NA
Solubility in Water: 59.2% @ 68° F.

Specific Gravity: 1.665
pH: 2.2 (1% solution)
Evaporation Rate: NA

Appearance and Odor: Odorless, colorless translucent crystals with strong acidic taste.

(NE - Not Established)

DNS Neutralizer Powder - JHi-219

Section IV - Fire and Explosion Hazard Data

Flash Point: NA Limits: LEL: 8 GM/FT 3 UEL: 65 GM/FT 3
Auto-Ignition Temperature 1010 C (Powder).
General Hazards: High concentrations of dust in air may form explosive mixture.

Fire Fighting Instructions: Use dry chemical, carbon dioxide, halon, water spray, or foam. Remove containers from fire if possible. Cool containers exposed to fire with water spray.

Fire Fighting Equipment: Wear self-contained breathing apparatus when fighting fire in enclosed area.

Hazardous Decomposition Products: Thermal decomposition may result in toxic fumes of carbon.

Section V - Reactivity Data

Stability: Material is stable at normal temperatures and pressures.
Incompatible Materials: May form explosive mixtures with metallic Nitrates and strong oxidizers.
Hazardous Decomposition: Thermal decomposition may result in toxic fumes of carbon.

Section VI - Health Hazard Data

Routes of Entry Inhalation? YES Skin? NO Ingestion YES

Carcinogenicity	NPT?	IARC?	OSHA Regulated?
Possible	NC	NO	NO

Acute Effects and Hazards of Overexposure

Eye Contact: May cause irritation with redness, pain, possible eye burns, conjunctivitis, ulceration, and permanent cloudiness.

Skin Contact: May cause irritation with swelling, redness, and pain

Inhalation: May cause mucous membrane irritation with sore throat, coughing, and shortness of breath.

Ingestion: May cause acute gastrointestinal irritation with abdominal pain.

Chronic: Repeated or prolonged skin contact may result in dermatitis. Prolonged or repeated eye contact may result in conjunctivitis. Long term oral overexposure may cause damage to tooth enamel.

Carcinogen Status: None.

Emergency First Aid Procedures

Eye Contact: Immediately flush with large amounts of water for at least 15 minutes while occasionally lifting lids. Get immediate medical attention.

Skin Contact: Remove contaminated clothing and shoes. Wash affected areas with soap or mild detergent. Get medical attention. Wash clothing before reuse. Discard contaminated shoes.

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, oxygen may be given by qualified personnel. Get medical attention.

Treatment for Ingestion: If conscious, give 2 glasses of water. Do not induce vomiting. If vomiting occurs, keep head lower than hips to prevent aspiration. Get medical attention.

DNS Neutralizer Powder - JH1-219

Section VII - Precautions for Safe Handling and Use

Steps To Be Taken In Case Material Is Spilled Or Released: Wear dust respirator and protective clothing. Keep unnecessary personnel away. Sweep or vacuum into closed containers for disposal.

Waste Disposal Method: Dispose of in accordance with local, state and federal regulations.

Precautions to be taken in Handling and Storing: Store in cool, dry area away from incompatible materials. Protect containers from damage.

Storage Temperature: Ambient.

Storage Pressure: Atmospheric.

Empty Containers: Empty containers retain product residue and vapors. Observe all label precautions ever after container is emptied. Do not reuse unless thoroughly cleaned.

Section VIII - Control Measures

Respiratory Protection: NIOSH certified dust mask should be worn while handling product.

Protective Gloves: Wear long sleeves and gloves

Eye Protection: Wear splash proof goggles.

Other Protective Equipment: Not required

Local Exhaust Ventilation: Provide general dilute ventilation.

Mechanical Ventilation: Not needed.

Section IX - Shipping and Environmental Data

Toxic Substance (40 CRF 372: SARA Sec. 313)

Material is on the TSCA inventory

Reportable Quantity (40 CRF 355: SARA Sec. 302)

Hazardous Substance (40 CRF 302: CERCLA Table 302.4)

Ratings: Health - 1; Fire - 0; Reactivity - 0

Section X - Disclaimer

Information contained herein is furnished without warranty of any kind. Users should consider it only as a supplement to other information gathered by them. Users must make an independent determination of the completeness of information from all sources to assure proper use and disposal of these materials and to assure the safety and health of employees and customers.

HAZARDOUS MATERIALS INVENTORY FORM

FORM 3

☒ ADD ☐ DELETE ☐ REVISED 1 Page ____ of ____ 2

FACILITY ID# 3 0 0 3 5 38 BUSINESS NAME HANDBILL PRINTERS 3

I. FACILITY INFORMATION

CHEMICAL LOCATION 14321 CORPORATE DRIVE 4

CONFIDENTIAL LOCATION EPCRA ☐ Yes ☒ No 5 | MAP # 1 6 | GRID # 4B 7

II. CHEMICAL INFORMATION

CHEMICAL NAME (FUJI FILM) | WASTE ☐ Yes 8 | TRADE SECRET ☐ Yes ☒ No 11 * If EPCRA see instructions

COMMON NAME LP-D3WR LASER PLATE DEV. WORK. REP. 9 | An EHS Chemical ☐ Yes ☒ No 12 *If EHS is "Yes", all amounts must be LBS

CAS # 35545-57-4 10 | FIRE CODE HAZARD CLASSES (supplied by GGFD) Class B 13

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

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

AVERAGE DAILY AMOUNT 10 19 | MAXIMUM DAILY AMOUNT 10 20 | ANNUAL WASTE AMOUNT 21 | STATE WASTE CODE 22

UNITS ☒ a. GALLONS ☐ b. CUBIC FEET 23 ☐ c. POUNDS ☐ d. TONS *If EHS, amount must be in pounds. | DAYS ON SITE 365 24 | LARGEST CONTAINER 2.5 GAL. 25

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

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

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

	%WT	HAZARDOUS COMPONENT (For mixture or waste only)	EHS	CAS #
1	3-7 29	POLYOXYETHYLENE NAPHTHLETHER 30	☐ Yes ☐ No 31	35545-57-4 32
2	80-100 29	WATER 30	☐ Yes ☐ No 31	7732-18-5 32
3	29	30	☐ Yes ☐ No 31	32
4	29	30	☐ Yes ☐ No 31	32
5	29	30	☐ Yes ☐ No 31	32

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

PLACARDING INFORMATION

UNDOT # _____ 33
Refer to shipping papers or MSDS

DOT HAZARD CLASS _____ 34
Refer to shipping papers or MSDS

EPCRA ☐ YES ☐ NO 35

X _____ 36
If EPCRA, Please Sign Here

NFPA 704 HAZARD DIAMOND
FIRE (RED) 0
HEALTH (BLUE) 3
REACTIVE (YELLOW) 0
SPECIAL HAZARD WHITE OX/W 37

MAKE AS MANY COPIES OF CHEMICAL INVENTORY FORM AS NEEDED

4

FUJIFILM

MATERIAL SAFETY DATA SHEET

Finished Goods Catalog

55814040 - LP-D3WR LASER PLATE DEV. WORK. SOL. REP. 2X2.5GAL

Manufacturer Name

FUJI PHOTO FILM USA, INC.

SECTION 1 - COMPANY IDENTIFICATION

FUJI PHOTO FILM USA, INC.
200 Summit Lake Drive
Valhalla, NY 10595-1356

CHEMTREC (24 HRS) EMERGENCY NO:
Inside US & Canada: 1-800-424-9300
Outside US & Canada:1-703-527-3887
MEDICAL (24 HRS) EMERGENCY NO:
Prosar: 1-877-935-7387
MSDS FAXBACK (24 HRS): 1-888-354-3854
NON-EMERGENCIES:
EHS Hotline: 1-800-473-3854
General Information:1-914-789-8100

MSDS ID: 5319FF

SECTION 2 - COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients	CAS Number	Wt.%	TIME WEIGHTED AVERAGES OSHA PEL (mg/m3)	ACGIH TLV (mg/m3)
Polyoxyethylene Naphthylether	35545-57-4	3-7%	NE	NE
Water	7732-18-5	80-100%	NE	NE

NE=Not Established; STEL=Short Term Exposure Limit; C=Ceiling Limits; PEL=
PEL=Permissible Exposure Limits; TLV=Threshold Limit Values

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

****

Appearance: Clear, light straw, aqueous liquid
Odor: No odor

DANGER; CORROSIVE
Severe irritant to skin and eyes. May cause serious damage to eyes.
Prolonged or repeated skin contact may cause allergic reaction and dermatitis.
Keep away from excess heat. Avoid contact with strong oxidizers, strong acids and strong bases.

Wear equipment to protect eyes, skin and respiratory tract. Dike or absorb spills to keep material and run-off from entering sewer or waterways. Use water to cool containers and disperse vapors.

Box may contain multiple containers having multiple components. Consult all MSDSs.

HMIS: Health: 3 Flammability: 0 Reactivity: 0 Protection: C
NFPA: Health: 3 Flammability: 0 Reactivity: 0 Spec. Haz.: CORR

Hazard Rating: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe
A = Gloves B = Gloves & Goggles C = Gloves, Goggles & Apron
D = Face Shield, Gloves, Goggles & Apron

UN NO: UN1814
DOT GUIDE: ERG Guide 154
****
Potential Health Effects:
Skin: Contact causes severe irritation.
Eyes: May cause serious damage to eyes.
Inhalation: Severe irritant to respiratory tract and mucous membranes.
Ingestion: May cause serious damage to digestive tract.
Conditions aggravated by exposure:
None expected except those associated with acute effects.
N

SECTION 4 - FIRST AID MEASURES

Eye Contact: Immediately flush with COOL water for 15 minutes. Call a physician.
Skin Contact: In case of skin contact; immediately flush with cool water for 15 minutes. Call a physician.
Ingestion: In case of ingestion; seek immediate medical attention.
Inhalation: Immediately remove victim to fresh air. Call a physician for further recommendations.

SECTION 5 - FIRE FIGHTING MEASURES

Flammable Properties

Flash Point:	None	deg F	(TCC)	
Autoignition Temperature:	N/A	deg F	(CC)	
Explosion Limits:	Lower: N/A	vol.%:	Not Tested	
	Upper: N/A	vol.%:		

Extinguishing Media:
Choose extinguishing media suitable for the surrounding materials, such as water spray, dry chemical, alcohol foam or carbon dioxide.
Unsuitable Extinguishing Media:
No restrictions on media based on knowledge of this material.
Fire Fighting Instructions:
Water spray should be used to cool fire exposed containers and to disperse un-ignited vapors. Use NIOSH/MSHA approved positive pressure self-contained breathing apparatus when material has ignited or becomes involved in a fire. Try to remove material containers from fire area if can be accomplished without risk to personnel.

Evacuate area and fight fire from a safe distance. Call your local fire department. Wear positive pressure, breathing apparatus and protect eyes and skin. Use water to cool fire-exposed containers, to protect personnel and to disperse vapors and spills. Fire media run-off can damage the environment. Dike and collect media used to fight fire.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Small Spills:
For incidential spills and leaks, wear adequate personal protective equipment, see Section 8 (Exposure & Personal Protection). Spills should be contained by, and covered with suitable absorbent material and removed for

disposal. Dispose of according to local and national regulations. Prevent from entering into soil, waterways and groundwater.

Large Spills:

For larger spills, requiring emergency response, neoprene boots and respiratory protection may also be required. Follow OSHA regulations and NIOSH recommendations for respiratory protection (see 29 CFR 1910.134 and NIOSH pub. 87-108) and emergency response (see 29 CFR 1910.120). Hold in properly labeled DOT-approved waste container. Dike large spills to minimize the spill area. Material can cause environmental damage.

SECTION 7 - HANDLING / STORAGE

Handling:

Avoid contact with eyes, skin or clothing. Avoid breathing mist or vapor. Do not swallow. Wear chemical safety goggles and neoprene gloves and apron. Wash thoroughly after handling. Keep container closed when not in use. Use only with adequate ventilation.

Storge:

Store in a cool, dry, well-ventilated area. Keep container closed when not in use.

SECTION 8 - EXPOSURE CONTROL AND PERSONAL PROTECTION

Ventilation:

Good general ventilation should be sufficient for most processing operations. Vent work area to ensure airborne concentrations are below the current occupational exposure limits. Ten (10) or more room air changes per hour containing a minimum of 15% fresh air will meet these requirements. Consult ASHRAE 62-1989 for further requirements.

Personal Protective Equipment

Respiratory Protection: If used under normal operating conditions and with adequate ventilation, respiratory protection is not required. However, refer to OSHA 29 CFR 1910.134.

Skin Protection:	Neoprene gloves and apron
Eye Protection:	Chemical safety goggles

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear, light straw, aqueous liquid	
Odor:	No odor	
Change in Physical State:		
Boiling Point:	>100 deg C	
Melting Point:	N/D deg F	
Specific Gravity:	1.01	Water=1
Vapour Pressure:	~15	mmHg @ 20C
Viscosity:	N/A	
Solubility in Water:	Complete	
pH Value:	12.9	
VOC (lbs/gal):	0	(USEPA Method 24)

SECTION 10 - STABILITY AND REACTIVITY

Hazardous Polymerization:

Hazardous polymerization WILL NOT occur if product is used and stored as directed. Product is stable if used and stored as directed.

Hazardous Decomposition Products:

Oxides of Nitrogen; Oxides of Carbon

Materials and Conditions to Avoid:

Keep away from excess heat. Avoid contact with strong oxidizers, strong acids and strong bases.

SECTION 11 - TOXICOLOGICAL INFORMATION

Product Information
LD50 (oral, rat): >2000 mg/kg
Acute Overexposure:
Severe irritant to skin and eyes. May cause serious damage to eyes.
Chronic Overexposure:
Prolonged or repeated skin contact may cause allergic reaction and dermatitis.
Ingredient information:
No other information.

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity Data: No Data Available
Chemical Fate Data: No Data Available

SECTION 13 - DISPOSAL CONSIDERATIONS

Hazardous Waste Characteristic:
D002
Recommendation:
Dispose of contaminated product, empty containers and materials used in cleaning up spills or leaks in a manner approved for this material. Consult appropriate federal, state and local regulatory agencies to ascertain proper disposal procedures. Discharge of processing effluent to the sewer may require a permit. DO NOT discharge effluent solutions to septic systems. Material, if spilled, may exhibit "corrosive" hazardous waste characteristics.

SECTION 14 - TRANSPORTATION INFORMATION

Ground Shipping Information
Proper Shipping Name: Potassium Hydroxide, Solution
Hazard Class: 8
UN/NA Number: UN1814
Packing Group: PGIII
Air (ICAO/IATA) Shipping Information
Proper Shipping Name: Potassium Hydroxide, Solution
Hazard Class: 8
UN No: UN1814
Packing Group: PGIII
Subsidiary Risk: None
UN/DOT Labels Needed: Corrosive
Passenger Aircraft Packing Instructions: 819 (Y819) Max: 5L (0.5L/1L)
Cargo Aircraft Packing Instructions: 60L Max: 820
International Maritime Organization (IMO) Additional Shipping Class:
IMDG Code: IMDG 8214
Amdt. Code: Amdt.27-94.
HTS Code: HTS#3707.90.6000.8
Product is labeled in accordance with US D.O.T. 49 CFR.

Further information:
Please call (800) 473-3854 for further D.O.T. information.

SECTION 15 - REGULATORY INFORMATION

**Note: The ingredient information listed in this section is provided for reporting requirements as dictated by USEPA, state and local regulation. If ingredient is listed in this section but not in Section 2, then the concentration of this ingredient is below de minumis (less than 0.1%).

U.S. FEDERAL REGULATIONS:
313 = SARA Title III Section 313 (40 CFR 372 -- Toxic Release Inventory)
355 = SARA Title III Section 302 (40 CFR 355 -- Extremely Hazardous Substance)
302 = SARA Title III Section 304 (40 CFR 302 -- Hazardous Substance List)
CWA = Clean Water Act Priority Pollutants List
CAA = Clean Air Act 1990 Hazardous Air Contaminants
HAP = Clean Air Act - HON Rule - HAPs

Ingredients	CAS Number	313	355	302	CWA	CAA	HAP
Polyoxyethylene Naphthylether	35545-57-4	N	N	N	N	N	N
Water	7732-18-5	N	N	N	N	N	N

TSCA 12(b) Export Notification
None required*

TOXICITY INFORMATION:
IRC1 = IARC Group 1 Human Carcinogens List
IRC2 = IARC Group 2 Human Carcinogens List (limited human data)
IRC3 = IARC Group 2B Human Carcinogens List (sufficient animal data)
NTP = NTP Known Carcinogens List
OSHA = OSHA Known Carcinogens List

Ingredients	CAS Number	IRC1	IRC2	IRC3	NTP	OSHA
Polyoxyethylene Naphthylether	35545-57-4	N	N	N	N	N
Water	7732-18-5	N	N	N	N	N

STATE REGULATIONS:
FL = Florida Hazardous Substance List
MA = Massachusetts Right-To-Know List
MI = Michigan Critical Materials List
MN = Minnesota Hazardous Substance List
NJ = New Jersey Right-To-Know List
PA = Pennsylvania Right-To-Know List

Ingredients	CAS Number	PA	NJ	MN	MI	MA	FL
Polyoxyethylene Naphthylether	35545-57-4	N	N	N	N	N	N
Water	7732-18-5	N	N	N	N	N	N

The following information is required by the State of California's Safe Drinking Water and Toxic Enforcement Act of 1986 or Proposition 65. This regulation does not address di minimus levels; therefore, even trace amounts of chemicals included on these lists must be noted with the "Safe Harbor" wording.

WARNING: Known to the State of California to cause cancer:
****None Listed****
WARNING: Known to the State of California to cause developmental toxicity:
****None Listed****
WARNING: Known to the State of California to cause female reproductive effects
****None listed****
WARNING: Known to the State of California to cause male reproductive effects:
****None listed****

The following designation is used only for those facilities that have air permits in nonattainment areas for ozone:
Non-Photochemically Reactive

SECTION 16 - OTHER INFORMATION

This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.

HAZARDOUS MATERIALS INVENTORY FORM

FORM 3

☒ ADD ☐ DELETE ☐ REVISED 1 Page ____ of ____ 2

FACILITY ID# 3 0 0 3 5 38 BUSINESS NAME HANDBILL PRINTERS 3

I. FACILITY INFORMATION

CHEMICAL LOCATION 14321 CORPORATE DRIVE 4

CONFIDENTIAL LOCATION EPCRA ☐ Yes ☒ No 5 MAP # 1 6 GRID # 4B 7

II. CHEMICAL INFORMATION

CHEMICAL NAME | WASTE ☐ Yes 8 | TRADE SECRET ☐ Yes ☒ No 11 * If EPCRA see instructions

COMMON NAME FN-6 PLATE FINISHER GUM (FUJI FILM) 9 | An EHS Chemical ☐ Yes ☒ No 12 *If EHS is "Yes", all amounts must be LBS

CAS # mixture 10 | FIRE CODE HAZARD CLASSES (supplied by GGFD) Class 3 13

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

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

AVERAGE DAILY AMOUNT 5 19 | MAXIMUM DAILY AMOUNT 5 20 | ANNUAL WASTE AMOUNT 21 | STATE WASTE CODE 22

UNITS ☒ a. GALLONS ☐ b. CUBIC FEET 23 ☐ c. POUNDS ☐ d. TONS *If EHS, amount must be in pounds. | DAYS ON SITE 365 24 | LARGEST CONTAINER 1 GAL. 25

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

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

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

	%WT	HAZARDOUS COMPONENT (For mixture or waste only)	EHS	CAS #
1	60-80 29	WATER 30	☐ Yes ☒ No 31	7732-18-5 32
2	10-20 29	STARCH DERIVATIVE 30	☐ Yes ☒ No 31	9049-76-7 32
3	29	30	☐ Yes ☒ No 31	32
4	29	30	☐ Yes ☐ No 31	32
5	29	30	☐ Yes ☐ No 31	32

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

PLACARDING INFORMATION

UNDOT # _____ 33
Refer to shipping papers or MSDS

DOT HAZARD CLASS _____ 34
Refer to shipping papers or MSDS

EPCRA ☐ YES ☐ NO 35

X _____ 36
If EPCRA, Please Sign Here

NFPA 704 HAZARD DIAMOND
FIRE (RED) 0
HEALTH (BLUE) 1
REACTIVE (YELLOW) 0
SPECIAL HAZARD
WHITE OX/W 37

MAKE AS MANY COPIES OF CHEMICAL INVENTORY FORM AS NEEDED

5

FUJIFILM

MATERIAL SAFETY DATA SHEET

Finished Goods Catalog

55815145 - FN-6 PLATE FINISHER GUM (4X1GAL)

Manufacturer Name

FUJI PHOTO FILM USA, INC.

SECTION 1 - COMPANY IDENTIFICATION

FUJI PHOTO FILM USA, INC.
200 Summit Lake Drive
Valhalla, NY 10595-1356

CHEMTREC (24 HRS) EMERGENCY NO:
Inside US & Canada: 1-800-424-9300
Outside US & Canada:1-703-527-3887
MEDICAL (24 HRS) EMERGENCY NO:
Prosar: 1-877-935-7387
MSDS FAXBACK (24 HRS): 1-888-354-3854
NON-EMERGENCIES:
EHS Hotline: 1-800-473-3854
General Information:1-914-789-8100

MSDS ID: 5406FF

SECTION 2 - COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients	CAS Number	Wt.%	TIME WEIGHTED AVERAGES OSHA PEL (mg/m3)	ACGIH TLV (mg/m3)
Benzyl Alcohol	100-51-6	1-5%	NE	NE
Ethylene Glycol	107-21-1	1-5%	125 C	100 C
Gum Arabic	9000-01-5	1-5%	NE	NE
Starch Phosphate	11120-02-8	0.5-1.5%	NE	NE
Starch Derivative	9049-76-7	10-20%	NE	NE
Water	7732-18-5	60-80%	NE	NE

NE=Not Established; STEL=Short Term Exposure Limit; C=Ceiling Limits; PEL=
PEL=Permissible Exposure Limits; TLV=Threshold Limit Values

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

****

Appearance: Clear, pale yellow, aqueous liquid
Odor: No odor

CAUTION
Skin, eye, mucous membrane and respiratory tract irritant. Keep away from excess heat. Avoid contact with strong oxidizers, strong acids and strong bases.

Wear equipment to protect eyes, skin and respiratory tract. Dike or absorb

spills to keep material and run-off from entering sewer or waterways. Use water to cool containers and disperse vapors.

Box may contain multiple containers having multiple components. Consult all MSDSs.

HMIS: Health: 1 Flammability: 0 Reactivity: 0 Protection: C
NFPA: Health: 1 Flammability: 0 Reactivity: 0 Spec. Haz.: None

Hazard Rating: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe
A = Gloves B = Gloves & Goggles C = Gloves, Goggles & Apron
D = Face Shield, Gloves, Goggles & Apron

UN NO: None
DOT GUIDE: ERG Guide 111
****
Potential Health Effects:
Skin: Contact causes irritation.
Eyes: Causes irritation.
Inhalation: Irritant to respiratory tract and mucous membranes.
Ingestion: Ingestion of product may cause nausea and vomiting.
Conditions aggravated by exposure:
Allergic reaction to gum arabic may cause respiratory distress and sensitivity.

N

SECTION 4 - FIRST AID MEASURES

Eye Contact: Immediately flush with COOL water for 15 minutes. Call a physician.
Skin Contact: In case of skin contact; immediately flush with cool water for 15 minutes. Call a physician.
Ingestion: In case of ingestion; seek immediate medical attention.
Inhalation: Immediately remove victim to fresh air. Call a physician for further recommendations.

SECTION 5 - FIRE FIGHTING MEASURES

Flammable Properties
Flash Point: None deg F (TCC)
Autoignition Temperature: N/A deg F (CC)
Explosion Limits: Lower: N/A vol.%: Not Tested
Upper: N/A vol.%:

Extinguishing Media:
Choose extinguishing media suitable for the surrounding materials, such as water spray, dry chemical, alcohol foam or carbon dioxide.
Unsuitable Extinguishing Media:
No restrictions on media based on knowledge of this material.
Fire Fighting Instructions:
Water spray should be used to cool fire exposed containers and to disperse un-ignited vapors. Use NIOSH/MSHA approved positive pressure self-contained breathing apparatus when material has ignited or becomes involved in a fire. Try to remove material containers from fire area if can be accomplished without risk to personnel.

Evacuate area and fight fire from a safe distance. Call your local fire department. Wear positive pressure, breathing apparatus and protect eyes and skin. Use water to cool fire-exposed containers, to protect personnel and to disperse vapors and spills. Fire media run-off can damage the environment. Dike and collect media used to fight fire.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Small Spills:
For incidential spills and leaks, wear adequate personal protective equipment, see Section 8 (Exposure & Personal Protection). Spills should be contained by, and covered with suitable absorbent material and removed for disposal. Dispose of according to local and national regulations. Prevent from entering into soil, waterways and groundwater.
Large Spills:
For larger spills, requiring emergency response, neoprene boots and respiratory protection may also be required. Follow OSHA regulations and NIOSH recommendations for respiratory protection (see 29 CFR 1910.134 and NIOSH pub. 87-108) and emergency response (see 29 CFR 1910.120). Hold in properly labeled DOT-approved waste container. Dike large spills to minimize the spill area. Material can cause environmental damage.

SECTION 7 - HANDLING / STORAGE

Handling:
Avoid contact with eyes, skin or clothing. Avoid breathing mist or vapor. Do not swallow. Wear chemical safety goggles and neoprene gloves and apron. Wash thoroughly after handling. Keep container closed when not in use. Use only with adequate ventilation.
Storge:
Store in a cool, dry, well-ventilated area. Keep container closed when not in use.

SECTION 8 - EXPOSURE CONTROL AND PERSONAL PROTECTION

Ventilation:
Good general ventilation should be sufficient for most processing operations. Vent work area to ensure airborne concentrations are below the current occupational exposure limits. Ten (10) or more room air changes per hour containing a minimum of 15% fresh air will meet these requirements. Consult ASHRAE 62-1989 for further requirements.
Personal Protective Equipment
Respiratory Protection: If used under normal operating conditions and with adequate ventilation, respiratory protection is not required. However, refer to OSHA 29 CFR 1910.134.

Skin Protection:	Neoprene gloves and apron
Eye Protection:	Chemical safety goggles

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear, pale yellow, aqueous liquid	
Odor:	No odor	
Change in Physical State:		
Boiling Point:	>100 deg C	
Melting Point:	N/D deg F	
Specific Gravity:	1.10	Water=1
Vapour Pressure:	~15	mmHg @ 20C
Viscosity:	N/A	
Solubility in Water:	Complete	
pH Value:	3.0-3.4	
VOC (lbs/gal):	0.29 (USEPA Method 24)	

SECTION 10 - STABILITY AND REACTIVITY

Hazardous Polymerization:
Hazardous polymerization WILL NOT occur if product is used and stored as directed. Product is stable if used and stored as directed.
Hazardous Decomposition Products:

Oxides of Sulfur, oxides of Carbon
Materials and Conditions to Avoid:
Keep away from excess heat. Avoid contact with strong oxidizers, strong acids and strong bases.

SECTION 11 - TOXICOLOGICAL INFORMATION

Product Information
LD50 (oral, rat): >5000 mg/kg
Acute Overexposure:
Skin, eye, mucous membrane and respiratory tract irritant.
Chronic Overexposure:
No other effects besides those associated with acute exposure.
Ingredient information:
No other information.

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity Data: No Data Available
Chemical Fate Data: No Data Available

SECTION 13 - DISPOSAL CONSIDERATIONS

Hazardous Waste Characteristic:
None
Recommendation:
Dispose of contaminated product, empty containers and materials used in cleaning up spills or leaks in a manner approved for this material. Consult appropriate federal, state and local regulatory agencies to ascertain proper disposal procedures. Discharge of processing effluent to the sewer may require a permit. DO NOT discharge effluent solutions to septic systems.

SECTION 14 - TRANSPORTATION INFORMATION

Ground Shipping Information
Proper Shipping Name: Chemicals, N.O.I., Not D.O.T. regulated.
Hazard Class: None
UN/NA Number: None
Packing Group: None
Air (ICAO/IATA) Shipping Information
Proper Shipping Name: Chemicals, N.O.I., Not D.O.T. regulated.
Hazard Class: None
UN No: None
Packing Group: None
Subsidiary Risk: None
UN/DOT Labels Needed: None
Passenger Aircraft Packing Instructions: N/A Max: N/A
Cargo Aircraft Packing Instructions: N/A Max: N/A
International Maritime Organization (IMO) Additional Shipping Class:
IMDG Code: Not Applicable
Amdt. Code: Amdt. N/A
HTS Code: Not Applicable
Product is labeled in accordance with US D.O.T. 49 CFR.

Further information:
Please call (800) 473-3854 for further D.O.T. information.

SECTION 15 - REGULATORY INFORMATION

**Note: The ingredient information listed in this section is provided for reporting requirements as dictated by USEPA, state and local regulation. If

ingredient is listed in this section but not in Section 2, then the concentration of this ingredient is below de minumis (less than 0.1%).

U.S. FEDERAL REGULATIONS:
313 = SARA Title III Section 313 (40 CFR 372 -- Toxic Release Inventory)
355 = SARA Title III Section 302 (40 CFR 355 -- Extremely Hazardous Substance)
302 = SARA Title III Section 304 (40 CFR 302 -- Hazardous Substance List)
CWA = Clean Water Act Priority Pollutants List
CAA = Clean Air Act 1990 Hazardous Air Contaminants
HAP = Clean Air Act - HON Rule - HAPs

Ingredients	CAS Number	313	355	302	CWA	CAA	HAP
Benzyl Alcohol	100-51-6	N	N	N	N	N	N
Ethylene Glycol	107-21-1	Y	N	Y	N	Y	Y
Gum Arabic	9000-01-5	N	N	N	N	N	N
Starch Phosphate	11120-02-8	N	N	N	N	N	N
Starch Derivative	9049-76-7	N	N	N	N	N	N
Water	7732-18-5	N	N	N	N	N	N

TSCA 12(b) Export Notification

CAS NUMBER	CHEMICAL NAME
107-21-1	ETHYLENE GLYCOL

TOXICITY INFORMATION:
IRC1 = IARC Group 1 Human Carcinogens List
IRC2 = IARC Group 2 Human Carcinogens List (limited human data)
IRC3 = IARC Group 2B Human Carcinogens List (sufficient animal data)
NTP = NTP Known Carcinogens List
OSHA = OSHA Known Carcinogens List

Ingredients	CAS Number	IRC1	IRC2	IRC3	NTP	OSHA
Benzyl Alcohol	100-51-6	N	N	N	N	N
Ethylene Glycol	107-21-1	N	N	N	N	N
Gum Arabic	9000-01-5	N	N	N	N	N
Starch Phosphate	11120-02-8	N	N	N	N	N
Starch Derivative	9049-76-7	N	N	N	N	N
Water	7732-18-5	N	N	N	N	N

STATE REGULATIONS:
FL = Florida Hazardous Substance List
MA = Massachusetts Right-To-Know List
MI = Michigan Critical Materials List
MN = Minnesota Hazardous Substance List
NJ = New Jersey Right-To-Know List
PA = Pennsylvania Right-To-Know List

Ingredients	CAS Number	PA	NJ	MN	MI	MA	FL
Benzyl Alcohol	100-51-6	Y	N	Y	N	Y	Y
Ethylene Glycol	107-21-1	Y	Y	Y	N	Y	Y
Gum Arabic	9000-01-5	N	Y	N	N	N	N
Starch Phosphate	11120-02-8	N	N	N	N	N	N
Starch Derivative	9049-76-7	N	N	N	N	N	N
Water	7732-18-5	N	N	N	N	N	N

The following information is required by the State of California's Safe Drinking Water and Toxic Enforcement Act of 1986 or Proposition 65. This regulation does not address di minimus levels; therefore, even trace amounts of chemicals included on these lists must be noted with the "Safe Harbor" wording.

WARNING: Known to the State of California to cause cancer:

CAS NUMBER	CHEMICAL NAME
123-91-1	1,4-DIOXANE
75-21-8	ETHYLENE OXIDE

WARNING: Known to the State of California to cause developmental toxicity:

CAS NUMBER	CHEMICAL NAME
64-17-5	ETHYL ALCOHOL

WARNING: Known to the State of California to cause female reproductive effects

CAS NUMBER	CHEMICAL NAME
75-21-8	ETHYLENE OXIDE

WARNING: Known to the State of California to cause male reproductive effects:
****None listed****

The following designation is used only for those facilities that have air permits in nonattainment areas for ozone:
Non-Photochemically Reactive

SECTION 16 - OTHER INFORMATION

This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.

HAZARDOUS MATERIALS INVENTORY FORM

FORM 3

☒ ADD ☐ DELETE ☐ REVISED 1 Page ____ of ____ 2

FACILITY ID# 3 0 0 3 5 38 BUSINESS NAME HANDBILL PRINTERS 3

I. FACILITY INFORMATION

CHEMICAL LOCATION 14321 CORPORATE DRIVE 4

CONFIDENTIAL LOCATION EPCRA ☐ Yes ☒ No 5 | MAP # 1 6 | GRID # 4B 7

II. CHEMICAL INFORMATION

CHEMICAL NAME AUTEX PHOTACLEAN FIXER CLEANER | WASTE ☐ Yes 8 | TRADE SECRET ☐ Yes ☒ No 11 * If EPCRA see instructions

COMMON NAME PHOTOGRAPHIC CLEANER 9 | An EHS Chemical ☐ Yes ☒ No 12 *If EHS is "Yes", all amounts must be LBS

CAS # mixture 10 | FIRE CODE HAZARD CLASSES (supplied by GGFD) Class 6 13

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

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

AVERAGE DAILY AMOUNT 2 19 | MAXIMUM DAILY AMOUNT 2 20 | ANNUAL WASTE AMOUNT 21 | STATE WASTE CODE 22

UNITS ☒ a. GALLONS ☐ b. CUBIC FEET ☐ c. POUNDS ☐ d. TONS 23 *If EHS, amount must be in pounds. | DAYS ON SITE 365 24 | LARGEST CONTAINER 1 GAL. 25

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

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

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

	%WT	HAZARDOUS COMPONENT (For mixture or waste only)		EHS	CAS #
1	80-85 29	WATER	30	☐ Yes ☐ No 31	7732-18-5 32
2	10-15 29	SODIUM HYDROXIDE	30	☐ Yes ☐ No 31	1310-73-2 32
3	29		30	☐ Yes ☐ No 31	32
4	29		30	☐ Yes ☐ No 31	32
5	29		30	☐ Yes ☐ No 31	32

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

PLACARDING INFORMATION

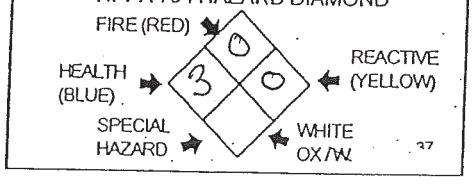
UNDOT # _____ 33
Refer to shipping papers or MSDS

DOT HAZARD CLASS _____ 34
Refer to shipping papers or MSDS

EPCRA ☐ YES ☐ NO 35

X _____ 36
If EPCRA, Please Sign Here

NFPA 704 HAZARD DIAMOND



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Not used 7

Material Safety Data Sheet
#U-FSC

SECTION I - General Information

Product Name: Autex® PhotaClean Fixer Cleaner Concentrate
Catalog No. 29025, 29075

Application: Photographic Cleaner **Formula:** Aqueous Mixture, see below

D.O.T. Shipping Information:

Proper Shipping Name	Sodium Hydroxide Solution
Hazard Class	8
UN I.D. Number	UN 1824
Pkg. Group	II

Manufacturer:
ALLIED Diagnostic Imaging Resources, Inc.
5440 Oakbrook Parkway
Norcross, GA 30093

Manufacturer's Phone Number:
(770) 448-0250

Emergency Telephone Number:
(800) 424-9300 (CHEMTREC)

SECTION II - Product and Hazardous Ingredients Information

ITEM	CAS#	PERCENT	EXPOSURE LIMITS
#3201			
Water	7732-18-5	80-85	NE
Sodium Hydroxide	1310-73-2	10-15	2 mg/m3, Ceiling, PEL

NE - Not Established

SECTION III - Physical Data

Odor	Odorless
Form	Clear Liquid
Color	Colorless
Boiling Point	>100° C (>212 ° F)
pH	14 (Approx.)
Solubility in Water	100 WT%
Specific Gravity	1.11

SECTION IV - Fire and Explosion Hazard Data

Flammable Properties: Material is a nonflammable water-based solution.
Extinguishing Media: Use any available extinguishing media.
Special Fire Fighting Procedures: Normal firefighting measures include the following. Keep personnel removed and upwind of fire. Wear self-contained breathing apparatus. Wear full protective equipment. Fire or excessive heat may produce hazardous decomposition products.

5440 Oakbrook Parkway • Norcross, GA 30093-2251
PHONE: (770) 448-0250 • FAX: (770) 448-0257

ALLIED
DIAGNOSTIC IMAGING RESOURCES, INC.

Material Safety Data Sheet
#U-FSC

SECTION V - Health Hazard Data

THIS PRODUCT CAN BE SAFELY USED WHEN APPLICABLE SAFETY PRECAUTIONS ARE FOLLOWED.

Potential Effects of Overexposure
Inhalation: Inhalation of mists or dried residue may cause respiratory irritation.
Eyes: Vapor may cause irritation. Contact causes severe burns.
Skin: Repeated and prolonged contact may cause severe irritation and burns.
Ingestion: Irritating to gastrointestinal tract. May cause vomiting and diarrhea.

Pure Component Toxicology Information
Sodium Hydroxide- Sodium hydroxide is corrosive to the skin, eyes and mucous membranes. It can cause severe burns and deep ulceration to the skin if not removed immediately. Contact with eyes can cause corneal and conjunctival ulceration with loss of sight if not washed out immediately. Ingestion is corrosive to the mouth and upper gastrointestinal tract and can cause severe abdominal pain, vomiting, diarrhea, collapse and death. Inhalation can cause irritation of the nose and throat.

Carcinogenicity Information: None of the components present in this material at concentrations equal to or greater than 0.1 % are listed by IARC, NTP, OSHA or ACGIH as a carcinogen.

Section VI. - Emergency First Aid Procedures:
Skin: Thoroughly wash exposed area with soap and water. Remove contaminated clothing. Launder contaminated clothing before re-use.
Eyes: Immediately flush with water for 15 minutes, lifting upper and lower lids occasionally. Get medical attention.
Inhalation: Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician immediately.
Ingestion: All cases of ingestion should be referred immediately to a physician or Poison Control Center. Vomiting should be induced only as advised and by the means specified.

SECTION VII - Reactivity Data
Stability: Stable under normal temperatures and storage conditions.
Incompatibility: Incompatible with strong acids and aluminum.
Decomposition: Decomposes by reaction with strong acids.
Hazardous Polymerization: Will not occur.

SECTION VIII - Spill or Leak Procedures
Steps to be Taken in Case Material is Released or Spilled: Wear appropriate protective equipment - see Section IX. Neutralize with sodium bicarbonate. Soak up with sawdust, sand or other absorbent material.
Waste Disposal: Consult proper federal, state and/or local regulatory agencies to ascertain proper disposal procedures.

SECTION IX -Special Protection Information:
Respiratory Protection: Use sufficient ventilation to keep employee exposure below recommended limits. Respirators should not be needed under normal use conditions. A NIOSH / MSHA approved air purifying respirator with organic vapor with dust/mist prefilter cartridge may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. For an uncontrolled release, where exposure levels are not known, use a positive pressure air supplied respirator.

5440 Oakbrook Parkway • Norcross, GA 30093-2251
PHONE: (770) 448-0250 • FAX: (770) 448-0257

ALLIED
DIAGNOSTIC IMAGING RESOURCES, INC.

Material Safety Data Sheet
#U-FSC

Eye and Face Protection: Chemical splash goggles. Where spraying or splashing is possible, use a face shield.
Other Protection: Impervious Gloves (neoprene recommended). Protective clothing as necessary to prevent skin contact. Eyewash facilities in the vicinity of use.

SECTION X -Special Precautions

Precautions to be Taken in Handling and Storage: Do not store or consume food, drink or tobacco in surrounding area. Do not store near strong acids or bases. Wash thoroughly after use.

The information contained in this material safety data sheet is furnished without warranty of any kind. The user should consider this data a supplement to other information gathered and must make independent determination of suitability and completeness of information from this and other sources to assure proper use and disposal of the materials and the health and safety of employees and customers. This statement is incorporated as part of this Material Safety Data Sheet.

Revised: June 12, 2002

5440 Oakbrook Parkway • Norcross, GA 30093-2251
PHONE: (770) 448-0260 • FAX: (770) 448-0257

HAZARDOUS MATERIALS INVENTORY FORM

FORM 3

☒ ADD ☐ DELETE ☐ REVISED 1 Page ____ of ____ 2

FACILITY ID# 3 0 0 3 5 38 BUSINESS NAME HANDBILL PRINTERS 3

I. FACILITY INFORMATION

CHEMICAL LOCATION 14321 CORPORATE DRIVE 4

CONFIDENTIAL LOCATION EPCRA ☐ Yes ☒ No 5 | MAP # 6 | GRID # 4B 7

II. CHEMICAL INFORMATION

CHEMICAL NAME | WASTE ☐ Yes 8 | TRADE SECRET ☐ Yes ☒ No 11 * If EPCRA see instructions

COMMON NAME 9 DEVELOPER PARTS A, B + NEUTRALIZER | An EHS Chemical ☐ Yes ☒ No 12 *If EHS is "Yes", all amounts must be LBS

CAS # 10 | FIRE CODE HAZARD CLASSES (supplied by GGFD) 13

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

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

AVERAGE DAILY AMOUNT 19 | MAXIMUM DAILY AMOUNT 16oz x 3 20 | ANNUAL WASTE AMOUNT 21 | STATE WASTE CODE 22

UNITS ☐ a. GALLONS ☐ b. CUBIC FEET ☐ c. POUNDS ☐ d. TONS 23 *If EHS, amount must be in pounds. | DAYS ON SITE 24: 365 | LARGEST CONTAINER 25: 16oz

STORAGE CONTAINER (Check all that apply) 26

☐ a. ABOVEGROUND TANK	☐ e. PLASTIC DRUM	☐ i. VAT	☐ m CYLINDER	☐ q. TANK WAGON
☐ b. UNDERGROUND TANK	☐ f. NONMETALLIC DRUM	☐ I. FIBER DRUM	☐ n. GLASS CONTAINER	☐ r. RAIL CAR
☐ c. TANK INSIDE BLDG	☐ g. METAL CONTAINER	☐ I. BAG(S)	☒ o PLASTIC CONTAINER	☐ s. TOTE BIN
☐ d STEEL DRUM	☐ h. CARBOY	☐ I. BOX(S)	☐ p. IN MACH OR EQUIP	☐ t. OTHER____

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

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

	%WT	HAZARDOUS COMPONENT (For mixture or waste only)		EHS		CAS #	
1	70-99 29	WATER (A, B, NUETRALIZER)	30	☐ Yes ☐ No	31	7732-18-5	32
2	1-5 29	POTASSIUM PERMAGANTE (A)	30	☐ Yes ☐ No	31	7722-64-7	32
3	5-10 29	SULFURIC ACID (B)	30	☐ Yes ☐ No	31	7664-93-9	32
4	20-25 29	SODIUM BISULFITE (N)	30	☐ Yes ☐ No	31	7631-90-5	32
5	1-5 29	CITRIC ACID (N)	30	☐ Yes ☐ No	31	77-92-9	32

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

PLACARDING INFORMATION

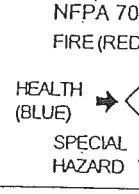
UNDOT # _____ 33
Refer to shipping papers or MSDS

DOT HAZARD CLASS _____ 34
Refer to shipping papers or MSDS

EPCRA ☐ YES ☐ NO 35

X _____ 36
If EPCRA, Please Sign Here

NFPA 704 HAZARD DIAMOND



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Revised 2/02 -- haz-inven2.doc

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SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Issue Date: 5-4-05

Trade Name:	**Quality Developer Systems Cleaner Kit (Parts A, B and Neutralizer)**
Chemical Name:	Mixtures- Parts A, B, & Neutralizer
Synonyms:	None
Formula:	Mixture, see below.
Catalog Number:	28560-49
Manufacturer:	CPAC Imaging Group Norcross, GA 30093

Manufacturer's Telephone: (770) 448-0250

TRANSPORTATION EMERGENCIES (24 Hrs.):	CHEMTREC (800) 424-9300
GENERAL INFORMATION :	(770) 448-0250

SECTION 2 - COMPOSITION / INFORMATION ON INGREDIENTS

Part	Components	CAS Number	% By Weight	OSHA 8-Hour mg/m3	ACGIH TLV mg/m3
A	Water	7732-18-5	95-99%	NE	NE
	Potassium Permanganate	7722-64-7	1-5%	5 mg/ m3 Ceiling, as Mn	0.2 mg/m3 as Mn
B	Water	7732-18-5	90-95%	NE	NE
	Sulfuric Acid	7664-93-9	5-10%	1 mg/m3	1 mg/m3, 3mg/m3 STEL
Neutralizer	Water	7732-18-5	70-75%	NE	NE
	Sodium Bisulfite	7631-90-5	20-25%	5 mg/m3	NE
	Citric Acid	77-92-9	1-5%	5 mg/m3	NE

NE = Not Established

SECTION 3 - HAZARDS IDENTIFICATION

Potential Health Effects

Skin:

Part A- Harmful if absorbed through the skin.
Part B- Warning! Causes skin burns.
Neutralizer- Low hazard when handled as recommended.

Eyes:

Part A- Contains Potassium Permanganate. Warning! Causes eye irritation.
Part B- Warning! Causes eye burns.
Neutralizer- Low hazard when handled as recommended.

Inhalation:

Part A- Harmful if inhaled. May cause damage to the mucous membranes and upper respiratory tract.
Part B- Harmful if inhaled. Mist or vapor extremely irritating to respiratory tract. Inhaling strong inorganic mists or

vapors that contain sulfuric acid can cause cancer.
Neutralizer- Low hazard when handled as recommended.

Ingestion:
Part A- Harmful if swallowed.
Part B- Harmful if swallowed.
Neutralizer- Low hazard when handled as recommended.

Conditions aggravated by overexposure: Part A - May aggravate asthma.
Carcinogenicity: Refer to section 11 - Toxicological Information

SECTION 4- FIRST AID MEASURES

Eye Contact:
Part A and Neutralizer
Flush eyes with plenty of water for at least 15 minutes occasionally lifting the upper and lower lids. Get medical attention.
Part B
Flush eyes with plenty of water for at least 15 minutes occasionally lifting the upper and lower lids. Get medical attention immediately.

Skin Contact:
Part A
Immediately remove contaminated clothing and wash with soap and plenty of water. Get medical attention.
Part B
Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing. Get medical attention.
Neutralizer
Immediately remove contaminated clothing and wash with soap and plenty of water. If symptoms occur, get medical attention.

Inhalation:
Parts A & B and Neutralizer
Remove victim to fresh air immediately. Get medical attention if symptoms persist.

Ingestion:
Part A
Drink several glasses of water and seek medical attention. Never give anything by mouth to an unconscious person.
Part B
Do NOT induce vomiting. Have victim drink a glass of water. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately.
Neutralizer
Drink one to two glasses of water. Get medical attention.

SECTION 5- FIRE FIGHTING MEASURES

Flammable Properties: Parts A & B and Neutralizer are non-flammable

Flash Point: Not applicable
Test Method: Not applicable
Lower Flammable Limit: Not applicable
Upper Flammable Limit: Not applicable
Autoignition Temp.: Not applicable

Extinguishing Media: Use extinguishing media appropriate for surrounding fire.
Special Fire Fighting Procedures: Wear self-contained breathing apparatus. Fire or excessive heat may produce hazardous decomposition products - See Section 10.

Hazardous Combustion Products: None - Parts A, B, and Neutralizer.

SECTION 6: ACCIDENTAL RELEASE

For small incidental spills and leaks, wear chemical safety goggles, and appropriate protective gloves and apron. Follow OSHA regulations and NIOSH recommendations for respiratory protection (see 29 CFR 1910.134 and NIOSH pub. 87-108). Absorb spill with vermiculite or other inert material. Consult federal, state, and local regulations for proper disposal.

SECTION 7: HANDLING AND STORAGE

Handling: Part A: Avoid contact with skin, eyes, and clothing. Use with adequate ventilation. Wash thoroughly after use.
Part B: Avoid contact with skin, eyes, and clothing. Do not create mists or aerosols. Use with adequate ventilation. Wash thoroughly after use.
Neutralizer: Avoid contact with skin, eyes, and clothing. Use with adequate ventilation. Wash thoroughly after use.

Storage: Keep away from incompatibles. See section 10.

SECTION 8: PERSONAL PROTECTION

Respiratory Protection:
Parts A & Part B: Vent work area to ensure airborne concentrations are below the current occupational exposure limits, otherwise an approved acid gas respirator must be worn.
Neutralizer: None should be needed. Use in ventilated work area.

Eye Protection: Part A: Safety goggles. Part B: Safety goggles and a face shield. Neutralizer: Safety goggles.
Skin Protection: Part A, Part B, & Neutralizer: Wear chemical resistant gloves and appropriate clothing to prevent exposure.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

	Part A	Part B	Neutralizer
Form	Liquid	Liquid	Liquid
Color / Appearance:	Purple	Colorless	Colorless
Odor	Odorless	Odorless	Odorless
Specific Gravity: 1.01	1.05	1.25	
Solubility in Water (20 C):	complete	complete	complete
pH:	9.5	< 1.0	5.7
Vapor Pressure at 20 C (68 F):	24 mbar (18 mm Hg)	24 mbar (18 mm Hg)	24 mbar (18 mm Hg)
Vapor Density:	0.6	0.6	0.6
Boiling Point	> 100 C	> 100 C	> 100 C
Volatile fraction by weight:	95-100%	90-95%	70-75%

SECTION 10: STABILITY/REACTIVITY

	Part A	Part B	Neutralizer
Stability:	Stable	Stable	Stable
Incompatibility:	Strong reducing agents Finely powdered metals Peroxides Aluminum	Bases	Strong acids

	Zinc Lead Copper		
Hazardous Decomposition Products:	Nature of decomposition products not known	Sulfur dioxide	Sulfur dioxide
Hazardous Polymerization:	Will not occur	Will not occur	Will not occur

SECTION II: TOXICOLOGICAL INFORMATION

EFFECTS OF EXPOSURE:

International Agency for Research on Cancer (IARC) has determined that occupational exposure to strong inorganic mists or vapors containing sulfuric acid is carcinogenic to humans. When used according to product mixing instructions for the recommended use, this product is not expected to generate mists or vapors.

Part A: Eye contact causes irritation. Exposure to skin may cause brown spots. If ingested, may cause irritation of gastrointestinal tract.

Part B: Eye and skin contact causes burns. Inhalation of mist or vapor causes irritation. If ingested, may cause burns to the gastrointestinal tract.

Neutralizer: May cause eye irritation. Inhalation or ingestion may cause hypersensitivity reactions in some individuals with asthma or sulfite sensitive individuals.

TARGET ORGANS:
Potassium Permanganate: Central Nervous System, Blood, Kidneys, Lungs

Pure Component Toxicology Information:

Potassium Permanganate:
Contact with eyes can cause eye damage. Inhalation of high concentrations of potassium permanganate dust or mist (solutions) may cause irritation of the nose, throat and respiratory tract with symptoms such as sore throat, coughing, shortness of breath and difficult breathing. Extreme exposures could result in a build-up of fluid in the lungs (pulmonary edema) that might be fatal in severe cases. Symptoms of pulmonary edema, such as difficult breathing, may not appear until several hours after the exposure. Chronic intake of manganese compounds by ingestion and inhalation can result in harmful effects on the central nervous system. Symptoms could include difficulty in walking, weakness or cramps in the legs, trouble with memory and judgement and unstable emotions.

Sulfuric Acid:
Corrosive to skin and eyes. Repeated exposure to low concentrations of mists or aerosols can cause dermatitis. Sulfuric acid is corrosive and can cause severe irritation or corrosive damage if inhaled. The degree and severity of respiratory effects are influenced by factors such as the physical state and particle size of the aerosol, deposition site, concentration and humidity. Inhalation of sulfuric acid can cause severe lung damage with a life-threatening accumulation of fluid (pulmonary edema). Inhaling strong inorganic mists or vapors that contain sulfuric acid can cause cancer. Ingestion causes burns to the mouth, throat, esophagus and stomach.

Sodium Bisulfite:

Concentrated solutions are irritating to skin, eyes and mucous membranes.

Citric Acid:

Inhalation of dusts and mists from solutions can probably cause temporary irritation of the nose and throat based on acidity. Skin contact probably causes mild to severe irritation depending upon the duration of exposure. Eye contact can cause severe irritation and corrosive injury based on animal information. Ingestion of large amounts may cause stomach pain and vomiting.

SECTION 12- DISPOSAL CONSIDERATIONS

Product should be disposed of in accordance with federal (40 CFR part 261), state and local regulations. Before attempting cleanup, refer to hazard information and protective measures (chemical gloves, etc.). Part B can be neutralized with lime or soda ash.

SECTION 13- ECOLOGICAL INFORMATION

Part B- Sulfuric Acid:
Aquatic Toxicity: 48-hour TLm, flounder: 100-300 ppm

SECTION 14- TRANSPORTATION INFORMATION

Regulated by U.S. Department of Transportation? Yes

Proper Shipping Name: Sulfuric Acid Solution
U.N. Identification Number: UN 2796
Hazard Class: 8
Packing Group: II
Limited Quantity Packaging: 1 Liter (33.8 ounces)
Label Required (Air shipments): Corrosive
Shipping Paper Description: Part B in Box Contains: Sulfuric Acid Solution, UN 2796, 8, PG II, "Ltd. Qty."

SECTION 15- REGULATORY INFORMATION

OSHA:
This product is subject to the Hazard Communication Rule, 29 CFR, 1910.1200.

SARA Title III:
The following ingredients are subject to the reporting requirements of the Superfund Amendments and Reauthorization Act of 1986 (SARA Title III) : Potassium Permanganate, Sulfuric Acid

EPA TSCA Requirements:

All ingredients comply with EPA TSCA requirements.

SECTION 16- OTHER INFORMATION

To the best of our knowledge, the information contained herein is accurate. However, CPAC Imaging Group does not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.

HAZARDOUS MATERIALS INVENTORY FORM

FORM 3

GARDEN GROVE FIRE DEPARTMENT EST 1926

☒ ADD ☐ DELETE ☐ REVISED 1 Page ____ of ____ 2

FACILITY ID# 3 0 0 3 5 38 BUSINESS NAME HANDBILL PRINTERS 3

I. FACILITY INFORMATION

CHEMICAL LOCATION 14321 CORPORATE DRIVE 4

CONFIDENTIAL LOCATION EPCRA ☐ Yes ☒ No 5 | MAP # 6 | GRID # 4B 7

II. CHEMICAL INFORMATION

CHEMICAL NAME | WASTE ☐ Yes 8 | TRADE SECRET ☐ Yes ☒ No 11 * If EPCRA see instructions

COMMON NAME KODAK RA 3000 AUTOMIX FIXER & REPLENISHER PART A 9 | An EHS Chemical ☐ Yes ☒ No 12 *If EHS is "Yes", all amounts must be LBS

CAS # mixture 10 | FIRE CODE HAZARD CLASSES (supplied by GGFD) class 6 13

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

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

AVERAGE DAILY AMOUNT 25 19 | MAXIMUM DAILY AMOUNT 25 20 | ANNUAL WASTE AMOUNT 21 | STATE WASTE CODE 22

UNITS ☒ a. GALLONS ☐ b. CUBIC FEET ☐ c. POUNDS ☐ d. TONS 23 *If EHS, amount must be in pounds. | DAYS ON SITE 365 24 | LARGEST CONTAINER 2.5 GAL 25

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

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

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

	%WT	HAZARDOUS COMPONENT (For mixture or waste only)	EHS	CAS #
1	40-50 29	WATER 30	☐ Yes ☐ No 31	7732-18-5 32
2	42 29	AMMONIUM THIOSULFATE 30	☐ Yes ☐ No 31	7783-18-8 32
3	5-10 29	SODIUM ACETATE 30	☐ Yes ☐ No 31	127-09-3 32
4	1-5 29	BORIC ACID 30	☐ Yes ☐ No 31	10043-35-3 32
5	1-5 29	AMMONIUM SULFITE 30	☐ Yes ☐ No 31	10196-04-0 32

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

PLACARDING INFORMATION

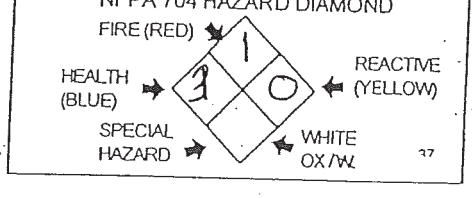
UNDOT # _____ 33
Refer to shipping papers or MSDS

DOT HAZARD CLASS _____ 34
Refer to shipping papers or MSDS

EPCRA ☐ YES ☐ NO 35

X _____
If EPCRA, Please Sign Here 36

NFPA 704 HAZARD DIAMOND 37



MAKE AS MANY COPIES OF CHEMICAL INVENTORY FORM AS NEEDED

Material Safety Data Sheet

Kodak Polychrome GRAPHICS

KODAK RA 3000 Automix Fixer and Replenisher, part A / US/C

1. Chemical Product and Company Identification

Common Name	: KODAK RA 3000 Automix Fixer and Replenisher, part A / US/C
Synonym	: KAN 427810; PCD 4896; D-0009.700
Catalog number	: 1873322
Area of Application	: Industrial applications. Graphic Arts Imaging.
Supplier	: Kodak Polychrome Graphics 401 Merrit 7 Norwalk, CT 06851 USA Tel. (203) 845-7000
Emergency telephone number	: **In Case of Emergency (medical/roadside) (24hrs)** **CALL 1-800-451-8346**
For other EHS Information	: Kodak Polychrome Graphics, Environmental, Health, & Safety Department; 11465 Johns Creek Parkway, #260, Duluth, GA 30097; USA Phone: 1-877-574-7274, Additional phone: (770) 232-2133 E-mail: PEP@kpgraphics.com, Fax: (770) 232-2150

MSDS#	141
Version	2.71
Validation Date	2003-10-31
Responsible Name	Kodak Polychrome Graphics
KPG#	20041

2. Composition, Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits
1) Water	7732-18-5	40-50	Not available.
2) Ammonium thiosulfate	7783-18-8	42	Not available.
3) Sodium acetate	127-09-3	5-10	Not available.
4) Boric acid	10043-35-3	1-5	Not available.
5) Ammonium sulfite	10196-04-0	1-5	Not available.
6) Acetic acid	64-19-7	1-5	**ACGIH (United States, 2002).** STEL: 37 mg/m³ 15 minute(s). TWA: 25 mg/m³ 8 hour(s). **NIOSH (United States, 1994).** STEL: 37 mg/m³ 15 minute(s). TWA: 25 mg/m³ 8 hour(s). **OSHA (United States, 2001).** TWA: 25 mg/m³ 8 hour(s).
7) Sodium bisulfite	7631-90-5	<1	**ACGIH (United States, 2002).** TWA: 5 mg/m³ 8 hour(s). **NIOSH (United States, 1994).** TWA: 5 mg/m³ 8 hour(s).

3. Hazards Identification

Physical State and Appearance : Liquid.

Emergency Overview : WARNING !
MAY BE HARMFUL IF SWALLOWED.
MAY BE HARMFUL IF ABSORBED THROUGH SKIN.

Avoid breathing vapors or spray mists. Avoid contact with eyes, skin and clothing. Use with adequate ventilation. Wash thoroughly after handling.

Continued on Next Page

Routes of Entry : Absorbed through skin. Eye contact. Inhalation. Ingestion.

Potential Acute Health Effects

Eyes : May cause transient irritation.

Skin : Sensitization of the product: Not available.
Slightly hazardous in case of skin contact (irritant). Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

Inhalation : Low hazard for recommended handling

Ingestion : Hazardous in case of ingestion.

Potential Chronic Health Effects : CARCINOGENIC EFFECTS: Classified A4 (Not classifiable for human or animal.) by ACGIH [Sodium bisulfite].
MUTAGENIC EFFECTS: Not available.
TERATOGENIC EFFECTS: Not available.

Medical Conditions Aggravated by Overexposure: : Repeated or prolonged exposure is not known to aggravate medical condition.

See Toxicological Information (section 11)

4. First Aid Measures

Eye Contact : Check for and remove any contact lenses. In case of contact with eyes, rinse immediately with plenty of water. Get medical attention if symptoms occur.

Skin Contact : After contact with skin, wash immediately with plenty of water. If irritation persists, seek medical attention.

Inhalation : Allow the victim to rest in a well-ventilated area. If irritation persists, seek medical attention.

Ingestion : INDUCE VOMITING by sticking finger in throat. Have conscious person drink several glasses of water or milk. Get medical attention immediately.

5. Fire Fighting Measures

Flammability of the Product : May be combustible at high temperature.

Auto-Ignition Temperature : Not applicable.

Hazardous thermal (de)composition products : These products are carbon oxides (CO, CO_2), sulfur oxides (SO_2, SO_3...). nitrogen oxides (NO, NO_2...)

Fire Hazards in Presence of Various Substances : Not applicable.

Explosion Hazards in Presence of Various Substances : Risks of explosion of the product in presence of mechanical impact: Not available.
Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions : Use DRY chemicals, CO2, water spray or foam.

Protective Clothing (Fire) : Be sure to use an approved/certified respirator or equivalent.

Continued on Next Page

6. Accidental Release Measures

Small Spill and Leak : Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill and Leak : Absorb with an inert material and put the spilled material in an appropriate waste disposal. Neutralize the residue with a dilute solution of sodium carbonate. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

7. Handling and Storage

Handling : Do not ingest. Avoid breathing vapors of this product. Avoid contact with eyes, skin and clothing. Use with adequate ventilation. Wash thoroughly after handling.

Storage : Store at room temperature 25°C (77°F) or lower. Prevent from freezing

8. Exposure Controls, Personal Protection

Engineering Controls : Use good general ventilation(>10 air changes/hour) and engineering controls (local exhaust, filter's, process enclosures if necessary) to maintain airborne levels below ACGIH Threshold Limit Values (TLV) and OSHA Permissible Exposure Limits(PEL). Ensure that eyewash station and safety shower is proximal to the work-station location.

Personal Protection

Eyes : Safety glasses.

Body : Not applicable.

Respiratory : Not applicable. Wear appropriate respirator when ventilation is inadequate.

Hands : Impervious gloves.

Feet : Not applicable.

Protective Clothing (Pictograms) :

Personal Protection in Case of a Large Spill : Splash goggles. Impervious gloves. Lab coat. Ventilation is normally required when handling or using this product (typically 10 air changes per hour).

Product Name	Exposure Limits
1) Water	Not available.
2) Ammonium thiosulfate	Not available.
3) Sodium acetate	Not available.
4) Boric acid	Not available.
5) Ammonium sulfite	Not available.
6) Acetic acid	**ACGIH (United States, 2002).** STEL: 37 mg/m³ 15 minute(s). TWA: 25 mg/m³ 8 hour(s). **NIOSH (United States, 1994).** STEL: 37 mg/m³ 15 minute(s). TWA: 25 mg/m³ 8 hour(s). **OSHA (United States, 2001).** TWA: 25 mg/m³ 8 hour(s).
7) Sodium bisulfite	**ACGIH (United States, 2002).** TWA: 5 mg/m³ 8 hour(s). **NIOSH (United States, 1994).** TWA: 5 mg/m³ 8 hour(s).

Consult local authorities for acceptable exposure limits.

Continued on Next Page

9. Physical and Chemical Properties

Physical State and Appearance : Liquid.

Odor : Sulfurous. Acetic acid. (Slight.)

Color : Yellow. (Light.)

pH : 5 [Acidic.]

Boiling/Condensation Point : >100°C (212°F)

Melting/Freezing Point : < 0°C (32°F)

Specific Gravity : 1.32 (Water = 1)

Vapor Pressure : 2.4 kPa (@ 20°C)

Vapor Density : 0.6 (Air = 1)

Volatility : 40 to 45% (w/w).

VOC Calculated : 198 g/l (1.652 lbs/Gal.).

Dispersion Properties : See solubility in cold water

Solubility : Easily soluble in cold water

10. Stability and Reactivity

Stability and Reactivity : The product is stable.

Conditions of Instability : Not available.

Incompatibility with Various Substances : Incompatible with some alkalis. Incompatible with strong oxidizing agents.

Hazardous Decomposition Products : These products are carbon oxides (CO; CO_2), sulfur oxides (SO_2, SO_3...). nitrogen oxides (NO, NO_2...)

Hazardous Polymerization : Will not occur.

11. Toxicological Information

Toxicity to Animals : **Water:**
ORAL (LD50): Acute: >90000 mg/kg [Rat].
Ammonium thiosulfate:
ORAL (LD50): Acute: 2890 mg/kg [Rat].
Sodium acetate:
ORAL (LD50): Acute: 3530 mg/kg [Rat].
DERMAL (LD50): Acute: >10000 mg/kg [Rabbit].
Boric acid:
ORAL (LD50): Acute: >3000 mg/kg [Rat].
DERMAL (LD50): Acute: >2000 mg/kg [Rabbit].
DUST (LC50): Acute: >2 mg/l 4 hour(s) [Rat].
Ammonium sulfite
LD50: Not available.
LC50: Not available.
Acetic acid:
ORAL (LD50): Acute: 3310 mg/kg [Rat].
DERMAL (LD50): Acute: 1060 mg/kg [Rabbit].
Sodium bisulfite:
ORAL (LD50): Acute: 2000 mg/kg [Rat].

Continued on Next Page

Chronic Effects on Humans : Not available.

Other Toxic Effects on Humans : Hazardous in case of ingestion.
Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of inhalation.

12. Ecological Information

Organics Readily Degradable (70%) : Readily biodegradable. (7 day(s))

BOD5 and COD : The BOD is 280 g/l [5 day(s)].
The COD is 347 g/l.

Ecotoxicity : Ecotoxicity in water (LC50): 200 mg/l, 96 hour(s) [Fish]. (Ammonium thiosulfate). 410 mg/l, 96 hour(s) [Fish]. (Sodium acetate). 5600 mg/l, 96 hour(s) [Fish]. (Boric acid). 226 mg/l, 48 hour(s) [Daphnia]. (Boric acid). >10 mg/l, 96 hour(s) [Fish (Snake-head catfish)]. (Acetic acid).

Toxicity of the Products of Biodegradation : The products of degradation are less toxic than the product itself.

13. Disposal Considerations

Waste Information : Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Consult your local or regional authorities.

14. Transport Information

DOT Classification : Not a DOT controlled material (United States).

TDG Classification : Not controlled under TDG (Canada).

ADR/RID Classification : Not controlled under ADR (Europe).

IMO/IMDG Classification : Not controlled under IMDG.

ICAO/IATA Classification : Not controlled under IATA.

15. Regulatory Information

HCS Classification : Not controlled under the HCS (United States).

U.S. Federal Regulations : TSCA 8(b) inventory: All the ingredients are on the TSCA list.
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: No products were found.
SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Boric acid: Immediate (Acute) Health Hazard, Delayed (Chronic) Health Hazard; Acetic acid: Fire Hazard, Immediate (Acute) Health Hazard

SARA 313 :

Form R - Reporting Requirements Ammonium thiosulfate 42%

Supplier Notification No products were found.

Continued on Next Page

Clean Water Act (CWA) 307: No products were found.

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.

International Regulations

WHMIS (Canada) : Class D-2A: Material causing other toxic effects (VERY TOXIC).

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

CEPA DSL: All the ingredients are on the DSL list.

DSCL (EEC) : This product is not classified according to the EU regulations.

State Regulations : No products were found.

California prop. 65: No products were found.

16. Other Information

Label Requirements : MAY BE HARMFUL IF SWALLOWED.
MAY BE HARMFUL IF ABSORBED THROUGH SKIN.

Hazardous Material Information System (U.S.A.) :

Health	1
Fire Hazard	1
Reactivity	0
Personal Protection	B

National Fire Protection Association (U.S.A.)

References : Not available.

Other Special Considerations : Not available.

Validated by Kodak Polychrome Graphics on 2003-10-31. **Verified by Kodak Polychrome Graphics.**
Printed 2003-10-31.

In Case of Emergency CALL 1-800-451-8346