

MATERIAL SAFETY 3M
DATA SHEET 3M Center
 St. Paul, Minnesota
 55144-1000
 1-800-364-3577 or (651) 737-6501 (24 hours)

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DIVISION: ELECTRICAL PRODUCTS DIVISION

TRADE NAME:

SCOTCHCAST WET NICHE POTTING COMPOUND KIT 2135

ID NUMBER/U.P.C.:

80-6105-3350-9 00-54007-69798-5 80-6112-1844-9 - - -

ISSUED: August 09, 2001

SUPERSEDES: August 27, 1996

DOCUMENT: 11-3051-7

This product is a kit or a multipart product which consists of multiple,
independently packaged components. An MSDS for each of these components is
included. Please do not separate the component MSDSs from this cover page.
The document numbers of the MSDSs for components of this product are:

11-4628-1

06-1640-9

Abbreviations: N/D - Not Determined N/A - Not Applicable CA - Approximately

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DIVISION: ELECTRICAL PRODUCTS DIVISION

TRADE NAME:

2135 CABLE REPAIR COMPOUND

ID NUMBER/U.P.C.:

78-8064-2150-5	-	-	-	78-8092-1554-0	-	-	-
78-8125-9326-3	-	-	-	80-6107-3467-7	00-54007-50433-7		
80-6112-0135-3	00-54007-43535-8	80-6112-0153-6	-	-	-		
80-6112-0154-4	-	-	-	80-6112-0155-1	-	-	-
80-6112-1131-1	00-54007-44461-9						

ISSUED: November 01, 2001

SUPERSEDES: May 15, 2001

DOCUMENT: 06-1640-9

1. INGREDIENT	C.A.S. NO.	PERCENT	
PART A.....	None	N/A	
MDI-PPO-Hydrogenated polyButadiene			
Polymer.....	154517-54-1	15	- 40
1,1'-METHYLENEBIS(ISOCYANATOBENZENE)....	26447-40-5	15	- 40
1,2-BENZENEDICARBOXYLIC ACID, DIUNDECYL			
ESTER, BRANCHED AND LINEAR.....	85507-79-5	10	- 30
BENZENE, 1,1'-METHYLENEBIS[ISOCYANATO-,			
HOMOPOLYMER.....	39310-05-9	10	- 30
TRIETHYL PHOSPHATE.....	78-40-0	0.5	- 1.5
PART B.....	None	N/A	
1,3-BUTADIENE, HOMOPOLYMER, HYDROXY-			
TERMINATED.....	69102-90-5	10	- 30
DECABROMODIPHENYL ETHER.....	1163-19-5	10	- 30
1,2-BENZENEDICARBOXYLIC ACID, DIUNDECYL			
ESTER, BRANCHED AND LINEAR.....	85507-79-5	7	- 13
GLYCOLS, POLYPROPYLENE.....	25322-69-4	7	- 13
ANTIMONY TRIOXIDE.....	1309-64-4	5	- 10
N,N-DI(2-HYDROXYPROPYL)ANILINE.....	3077-13-2	5	- 10
DIPROPYLENE GLYCOL.....	25265-71-8	3	- 7
CASTOR OIL.....	8001-79-4	3	- 7
ALUMINUM POTASSIUM SODIUM SILICATE.....	12736-96-8	3	- 7
4,4'-METHYLENEBIS(2,6-DIETHYLANILINE)...	13680-35-8	1	- 5
CARBON BLACK.....	1333-86-4	1	- 5
AMORPHOUS SILICA.....	68909-20-6	0.5	- 1.5
ANTIOXIDANT.....	2082-79-3	0.1	- 1

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1. INGREDIENT	C.A.S. NO.	PERCENT
TRIETHYLENEDIAMINE.....	280-57-9	0.1 - 1
ARSENIC.....	7440-38-2	< 0.04

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

This product contains the following toxic chemical or chemicals subject to the reporting requirements of Section 313 of Title III of the Emergency Planning and Community Right-To-Know Act of 1986 and 40 CFR Part 372:

DECABROMODIPHENYL ETHER
ANTIMONY TRIOXIDE
ARSENIC

2. PHYSICAL DATA

BOILING POINT:..... N/D
VAPOR PRESSURE:..... N/D
VAPOR DENSITY:..... N/D
EVAPORATION RATE:..... N/D
SOLUBILITY IN WATER:..... nil
Reacts
SPECIFIC GRAVITY:..... 1.23 g/cc
Part A:1.08; Part B: 1.29
PERCENT VOLATILE:..... 0
pH:..... N/A
VISCOSITY:..... Part A: 1250 cps; Part B: 4250 cps
MELTING POINT:..... N/D

APPEARANCE AND ODOR:

Liquid, Part A:Clear amber liquid;Part B: Black viscous liquid

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:..... > 230 F CC
Part A and Part B:
FLAMMABLE LIMITS - LEL:..... N/D
FLAMMABLE LIMITS - UEL:..... N/D
AUTOIGNITION TEMPERATURE:..... N/D

EXTINGUISHING MEDIA:

Water spray, Carbon dioxide, Dry chemical, Foam

SPECIAL FIRE FIGHTING PROCEDURES:

Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask, and

Abbreviations: N/D - Not Determined N/A - Not Applicable CA - Approximately

3. FIRE AND EXPLOSION HAZARD DATA (continued)

protective covering for exposed areas of the head.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

See Hazardous Decomposition section for products of combustion.
Closed containers exposed to heat from fire may build pressure and
explode.

NFPA HAZARD CODES: HEALTH: 2 FIRE: 1 REACTIVITY: 0
UNUSUAL REACTION HAZARD: reacts with water

OSHA FIRE HAZARD CLASS: Class IIIB Combustible Liquid

4. REACTIVITY DATA

STABILITY: Stable

INCOMPATIBILITY - MATERIALS/CONDITIONS TO AVOID:

Strong Bases, Amines, Alcohols, Water. Reaction with water, alcohols
and amines is not hazardous if container can vent to the atmosphere
to prevent pressure buildup.

This refers to the Part A (prepolymer).

HAZARDOUS POLYMERIZATION: Hazardous polymerization will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon Monoxide and Carbon Dioxide, Oxides of Nitrogen, Hydrogen
Cyanide, Oxides of Antimony, Isocyanates, Toxic Vapors, Gases or
Particulates, Irritant Vapors or Gases.

5. ENVIRONMENTAL INFORMATION

SPILL RESPONSE:

Refer to other sections of this MSDS for information regarding
physical and health hazards, respiratory protection, ventilation, and
personal protective equipment. Ventilate area. Contain spill.
Evacuate unprotected personnel from hazard area. Pour isocyanate
decontaminant solution (90% water, 8% concentrated ammonia, 2%
detergent) on spill and allow to react for 10 minutes. Alternatively,
pour water on spill and allow to react for more than 30 minutes.
Cover with absorbent. Place in an approved drum, but do not seal the
drum for 48 hours to avoid possible pressure buildup. Neutralize
spill residue with decontaminant solution. Avoid contact with water.

Abbreviations: N/D - Not Determined N/A - Not Applicable CA - Approximately

5. ENVIRONMENTAL INFORMATION (continued)

RECOMMENDED DISPOSAL:

Cure product according to product instructions. Dispose of completely cured (or polymerized) material in a sanitary landfill. Disposal alternative: Incinerate uncured waste in an industrial or commercial incinerator.

ENVIRONMENTAL DATA:

Not determined.

REGULATORY INFORMATION:

Volatile Organic Compounds: N/D.
VOC Less H2O & Exempt Solvents: N/D.

Since regulations vary, consult applicable regulations or authorities before disposal. In the event of an uncontrolled release of this material, the user should determine if the release qualifies as a reportable quantity. U.S. EPA Hazardous Waste Number = D003 (Reactive) D004 (Arsenic)

EPCRA HAZARD CLASS:

FIRE HAZARD: No PRESSURE: No REACTIVITY: Yes ACUTE: Yes CHRONIC: Yes

6. SUGGESTED FIRST AID

EYE CONTACT:

Immediately flush eyes with large amounts of water. Get immediate medical attention.

SKIN CONTACT:

Immediately wash skin with soap and large amounts of water. Remove contaminated clothing. If signs/symptoms occur, call a physician. Wash contaminated clothing before reuse and dispose of contaminated shoes.

INHALATION:

Remove person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, get immediate medical attention.

IF SWALLOWED:

Do not induce vomiting. Drink two glasses of water. Call a physician.

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7. PRECAUTIONARY INFORMATION

EYE PROTECTION:

Avoid eye contact. Wear vented goggles.

SKIN PROTECTION:

Avoid skin contact. Avoid prolonged or repeated skin contact. Wear appropriate gloves when handling this material. A pair of gloves made from the following material(s) are recommended: butyl rubber, nitrile rubber, polyethylene/ethylene vinyl alcohol, polyethylene/polyvinylidene chloride (Saranex), polyvinyl alcohol, polytetrafluoroethylene (Teflon), fluoroelastomer (Viton). Use one or more of the following personal protection items as necessary to prevent skin contact: apron, coveralls, butyl rubber, nitrile rubber, polyethylene/ethylene vinyl alcohol, polyethylene/polyvinylidene chloride (Saranex), polyvinyl alcohol, polytetrafluoroethylene (Teflon), fluoroelastomer (Viton).

RECOMMENDED VENTILATION:

Use with appropriate local exhaust ventilation. Provide appropriate local exhaust for heat curing. Use in a well-ventilated area. Use with adequate dilution ventilation. If exhaust ventilation is not available, use appropriate respiratory protection.

RESPIRATORY PROTECTION:

Avoid breathing of vapors created during the cure cycle. Avoid prolonged breathing of vapors. Select one of the following NIOSH approved respirators based on airborne concentration of contaminants and in accordance with OSHA regulations: half-mask organic vapor respirator, full-face organic vapor respirator.

PREVENTION OF ACCIDENTAL INGESTION:

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water. Wash hands after handling and before eating. Do not ingest.

RECOMMENDED STORAGE:

Store in a cool place. Store away from heat. Store out of direct sunlight. Keep container closed when not in use. Keep container in well-ventilated area. Keep out of the reach of children.

FIRE AND EXPLOSION AVOIDANCE:

Keep container tightly closed. Keep away from heat, sparks, open flame, and other sources of ignition. Prevent all sources of ignition. Combustible liquid and vapor. Avoid contact with water. No smoking while handling this material. Do not heat under confinement.

OTHER PRECAUTIONARY INFORMATION:

For industrial or professional use only.

Abbreviations: N/D - Not Determined N/A - Not Applicable CA - Approximately

7. PRECAUTIONARY INFORMATION (continued)

EXPOSURE LIMITS

INGREDIENT	VALUE	UNIT	TYPE	AUTH	SKIN*
PART A.....	NONE	NONE	NONE	NONE	
MDI-PPO-Hydrogenated polyButadiene Polymer.....	NONE	NONE	NONE	NONE	
1,1'-METHYLENEBIS(ISOCYANATOBENZENE)....	0.005	PPM	TWA	ACGIH	
1,1'-METHYLENEBIS(ISOCYANATOBENZENE)....	0.02	PPM	CEIL	OSHA	
1,2-BENZENEDICARBOXYLIC ACID, DIUNDECYL ESTER, BRANCHED AND LINEAR.....	NONE	NONE	NONE	NONE	
BENZENE, 1,1'-METHYLENEBIS[ISOCYANATO-, HOMOPOLYMER.....	NONE	NONE	NONE	NONE	
TRIETHYL PHOSPHATE.....	NONE	NONE	NONE	NONE	
PART B.....	NONE	NONE	NONE	NONE	
1,3-BUTADIENE, HOMOPOLYMER, HYDROXY-TERMINATED.....	NONE	NONE	NONE	NONE	
DECABROMODIPHENYL ETHER.....	5	MG/M3	TWA	CMRG	
DECABROMODIPHENYL ETHER.....	5	MG/M3	TWA	AIHA	
1,2-BENZENEDICARBOXYLIC ACID, DIUNDECYL ESTER, BRANCHED AND LINEAR.....	NONE	NONE	NONE	NONE	
GLYCOLS, POLYPROPYLENE.....	10	MG/M3	TWA	AIHA	
	AS PARTICULATE				
ANTIMONY TRIOXIDE.....	0.5	MG/M3	TWA	ACGIH	
	as Sb				
N,N-DI(2-HYDROXYPROPYL)ANILINE.....	NONE	NONE	NONE	NONE	
DIPROPYLENE GLYCOL.....	NONE	NONE	NONE	NONE	
CASTOR OIL.....	10	MG/M3	TWA	OSHA	
	AS MIST				
ALUMINUM POTASSIUM SODIUM SILICATE... 4,4'-METHYLENEBIS(2,6-DIETHYLANILINE).....	NONE	NONE	NONE	NONE	
CARBON BLACK.....	3.5	MG/M3	TWA	ACGIH	
CARBON BLACK.....	3.5	MG/M3	TWA	OSHA	
CARBON BLACK.....	0.5	MG/M3	TWA	CMRG	
AMORPHOUS SILICA.....	NONE	NONE	NONE	NONE	
ANTIOXIDANT.....	NONE	NONE	NONE	NONE	
TRIETHYLENEDIAMINE.....	NONE	NONE	NONE	NONE	
ARSENIC.....	0.01	MG/M3	TWA	OSHA	
ARSENIC.....	0.01	MG/M3	TWA	ACGIH	
ARSENIC.....	0.005	MG/M3	TWA	OSHA	
	OSHA ACTION LEVEL				

* SKIN NOTATION: Listed substances indicated with 'Y' under SKIN refer to the potential contribution to the overall exposure by the cutaneous route

Abbreviations: N/D - Not Determined N/A - Not Applicable CA - Approximately

EXPOSURE LIMITS (continued)

INGREDIENT	VALUE	UNIT	TYPE	AUTH	SKIN*
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including mucous membrane and eye, either by airborne or, more particularly,
by direct contact with the substance. Vehicles can alter skin absorption.

SOURCE OF EXPOSURE LIMIT DATA:

- ACGIH: American Conference of Governmental Industrial Hygienists
- AIHA: American Industrial Hygiene Assoc. Workplace Environmental Exposure Level Guideline
- CMRG: Chemical Manufacturer Recommended Exposure Guidelines
- OSHA: Occupational Safety and Health Administration

- NONE: None Established

8. HEALTH HAZARD DATA

EYE CONTACT:

Moderate Eye Irritation: signs/symptoms can include redness, swelling, pain, tearing, and hazy vision.

SKIN CONTACT:

Allergic Skin Reaction: signs/symptoms can include redness, swelling, blistering, and itching.

Moderate Skin Irritation: signs/symptoms can include redness, swelling, itching, and dryness.

Allergic contact dermatitis may occur in certain susceptible individuals after contact with Part A (prepolymer) and the mixture of Part A with Part B (polyol).

INHALATION:

Serious illness requiring medical attention or death may result from a single exposure by inhalation to a relatively small amount of this material.

Vapors of the uncured product may cause irritation of the respiratory system.

Prolonged or repeated overexposure, above recommended guidelines, may cause:

Allergic Respiratory Reaction: signs/symptoms can include difficulty breathing, wheezing, tightness of chest, and respiratory failure.

Nervous System Effects: signs/symptoms can include emotional changes, lack of coordination, tremors and sensory loss.

Irritation (upper respiratory): signs/symptoms can include

Abbreviations: N/D - Not Determined N/A - Not Applicable CA - Approximately

8. HEALTH HAZARD DATA (continued)

soreness of the nose and throat, coughing and sneezing.

Lung Damage: signs/symptoms can include coughing, difficulty breathing, wheezing, tightness in chest, congestion, and coughing up of blood.

WHILE THE FOLLOWING EFFECTS ARE ASSOCIATED WITH ONE OR MORE OF THE INDIVIDUAL INGREDIENTS IN THIS PRODUCT AND ARE REQUIRED TO BE INCLUDED ON THE MSDS BY THE U.S. OSHA HAZARD COMMUNICATION STANDARD, THEY ARE NOT EXPECTED EFFECTS DURING FORESEEABLE USE OF THIS PRODUCT.

Prolonged or repeated exposure may cause:

Liver Effects: signs/symptoms can include yellow skin(jaundice) and tenderness of upper abdomen.

IF SWALLOWED:

Illness may result from a single swallowing of a moderate quantity of this material.

Irritation of Gastrointestinal Tissues: signs/symptoms can include pain, vomiting, abdominal tenderness, nausea, blood in vomitus, and blood in feces.

WHILE THE FOLLOWING EFFECTS ARE ASSOCIATED WITH ONE OR MORE OF THE INDIVIDUAL INGREDIENTS IN THIS PRODUCT AND ARE REQUIRED TO BE INCLUDED ON THE MSDS BY THE U.S. OSHA HAZARD COMMUNICATION STANDARD, THEY ARE NOT EXPECTED EFFECTS DURING FORESEEABLE USE OF THIS PRODUCT.

Ingestion may cause:

Central Nervous System Depression: signs/symptoms can include headache, dizziness, drowsiness, muscular weakness, incoordination, slowed reaction time, fatigue, blurred vision, slurred speech, giddiness, tremors and convulsions.

CANCER:

WARNING: Contains a chemical which can cause cancer. (1309-64-4)
(ACGIH suspected human carcinogen A2, IARC possible human carcinogen 2B, Calif. Proposition 65)

WARNING: Contains a chemical which can cause cancer. (1333-86-4)
(IARC possible human carcinogen 2B)

Abbreviations: N/D - Not Determined N/A - Not Applicable CA - Approximately

SECTION CHANGE DATES

HEADING	SECTION CHANGED SINCE May 15, 2001	ISSUE
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SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: CC-3 CABLE CLEANING PADS (CABLE CLEANER)
MANUFACTURER: 3M
DIVISION: Electrical Products Division

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

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

Issue Date: 10/26/2003
Supersedes Date: 01/31/2002

Document Group: 11-4628-1

Product Use:

Specific Use: SOLVENT SOAKED PADS FOR CLEANING CABLE

SECTION 2: INGREDIENTS

<u>Ingredient</u>	<u>C.A.S. No.</u>	<u>% by Wt</u>
PETROLEUM DISTILLATES	64771-72-8	80 - 95
D-LIMONENE	5989-27-5	10 - 20

SECTION 3: HAZARDS IDENTIFICATION

3.1 EMERGENCY OVERVIEW

Specific Physical Form: Liquid in bag with cloth pads

Odor, Color, Grade: citrus-like odor

General Physical Form: Liquid Lint-free cloths soaked with liquid

Immediate health, physical, and environmental hazards: Closed containers exposed to heat from fire may build pressure and explode. Vapors may travel long distances along the ground or floor to an ignition source and flash back. Combustible liquid and vapor. Flammable liquid and vapor. May cause allergic skin reaction. May cause target organ effects.

3.2 POTENTIAL HEALTH EFFECTS

Eye Contact:

Mild Eye Irritation: Signs/symptoms may include redness, pain, and tearing.

Skin Contact:

Moderate Skin Irritation: Signs/symptoms may include localized redness, swelling, itching, and dryness.

Allergic Skin Reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.

Inhalation:

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

May be absorbed following inhalation and cause target organ effects.

Ingestion:

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

Chemical (Aspiration) Pneumonitis: Signs/symptoms may include coughing, gasping, choking, burning of the mouth, difficulty breathing, bluish colored skin (cyanosis), and may be fatal.

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.

3.3 POTENTIAL ENVIRONMENTAL EFFECTS

VOC Data: 740 grams/liter maximum VOC (less water and exempt compounds). U.S. EPA Waste Number: None. 5 Day Biological Oxygen Demand (BOD-5) = 77,000 mg/L. Chemical Oxygen Demand (COD) = 290,000 mg/L.

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: Remove contaminated clothing and shoes. Immediately flush skin with large amounts of water. Get medical attention. Wash contaminated clothing and clean shoes before reuse.

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	165 °F [Test Method: Open Cup]
Flash Point	144 °F [Test Method: Closed Cup]
Flammable Limits - LEL	No Data Available
Flammable Limits - UEL	No Data Available
OSHA Flammability Classification:	Class IIIA Combustible 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: Water may not effectively extinguish fire; however, it should be used to keep fire-exposed containers and surfaces cool and prevent explosive rupture. Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head.

Unusual Fire and Explosion Hazards: Closed containers exposed to heat from fire may build pressure and explode. Vapors may travel long distances along the ground or floor to an ignition source and flash back. Not applicable. Combustible liquid and vapor. Flammable liquid and vapor.

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

SECTION 6: ACCIDENTAL RELEASE MEASURES

Accidental Release Measures: Evacuate unprotected and untrained personnel from hazard area. The spill should be cleaned up by qualified personnel. 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. For larger spills, cover drains and build dikes to prevent entry into sewer systems or bodies of water. 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. Collect as much of the spilled material as possible. Place in a metal container approved for transportation by appropriate authorities.

Place in a closed container approved for transportation by appropriate authorities. Seal the container.

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

Avoid eye contact with vapors, mists, or spray. Avoid breathing of vapors, mists or spray. Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water. For industrial or professional use only. Keep away from heat, sparks, open flame, pilot lights and other sources of ignition. No smoking while handling this material. Avoid contact with oxidizing agents.

7.2 STORAGE

Store away from acids. Store away from flammable and combustible materials. Store away from heat. Store out of direct sunlight. Store away from oxidizing agents. Keep container in well-ventilated area.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 ENGINEERING CONTROLS

Use with appropriate local exhaust ventilation. Provide appropriate local exhaust ventilation on open containers.

8.2 PERSONAL PROTECTIVE EQUIPMENT (PPE)

8.2.1 Eye/Face Protection

Avoid eye contact with vapors, mists, or spray. Avoid eye contact.
The following eye protection(s) are recommended: Indirect Vented Goggles.

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: Fluoroelastomer (Viton), Nitrile Rubber, Polyethylene.

8.2.3 Respiratory Protection

Avoid breathing of vapors, mists or spray.

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

<u>Ingredient</u>	<u>Authority</u>	<u>Type</u>	<u>Limit</u>	<u>Additional Information</u>
PETROLEUM DISTILLATES	CMRG	TWA	300 ppm	

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

Specific Physical Form:	Liquid in bag with cloth pads
Odor, Color, Grade:	citrus-like odor
General Physical Form:	Liquid Lint-free cloths soaked with liquid
Autoignition temperature	<i>No Data Available</i>
Flash Point	165 °F [<i>Test Method:</i> Open Cup]
Flash Point	144 °F [<i>Test Method:</i> Closed Cup]
Flammable Limits - LEL	<i>No Data Available</i>
Flammable Limits - UEL	<i>No Data Available</i>
Boiling point	380.00 - 480.00 °F
Vapor Density	>=1.00 [<i>Ref Std:</i> AIR=1] [<i>Details:</i> CONDITIONS: Greater than 1 (Air=1)]
Vapor Pressure	<=1.0000 mmHg [<i>Details:</i> CONDITIONS: Less than 1 mmHg at 25 C]
Specific Gravity	0.76 [<i>Details:</i> MITS data]
pH	7.0
Melting point	<i>No Data Available</i>
Evaporation rate	<i>No Data Available</i>
Volatile Organic Compounds	Approximately 740 g/l
VOC Less H2O & Exempt Solvents	<i>No Data Available</i>
Viscosity	<i>No Data Available</i>

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable.

Materials and Conditions to Avoid: Strong oxidizing agents

Hazardous Polymerization: Hazardous polymerization will not occur.

Hazardous Decomposition or By-Products

<u>Substance</u>	<u>Condition</u>
Carbon monoxide	Not Specified
Carbon dioxide	Not Specified

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 an industrial or commercial facility. As a disposal alternative, dispose of waste product in a facility permitted to accept chemical waste.

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

SECTION 14: TRANSPORT INFORMATION

ID Number(s):

78-8018-9838-4, 80-6105-9300-8

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 - No Reactivity Hazard - No Immediate Hazard - Yes Delayed Hazard - Yes

STATE REGULATIONS

Contact 3M for more information.

CHEMICAL INVENTORIES

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.

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

Contact 3M for more information.

Additional Information: All components are on the TSCA; EINECS; and CDSL Inventories.

INTERNATIONAL REGULATIONS

Contact 3M for more information.

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:** 2 **Reactivity:** 0 **Special Hazards:** None

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:** 2 **Reactivity:** 0 **Protection:** B

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 3: Other potential health effects heading was modified.
Copyright was modified.
Section 16: Web address heading was modified.
Section 3: Immediate skin hazard(s) was modified.
Section 3: Potential effects from eye contact was modified.
Section 3: Potential effects from skin contact information was modified.
Section 3: Potential effects from inhalation information was modified.
Section 3: Potential effects from ingestion information was modified.
Section 6: Release measures information was modified.
Section 7: Handling information was modified.
Section 8: Skin protection phrase was modified.
Section 15: Inventories heading was modified.
Section 4: First aid for skin contact - handling - was modified.
Section 3: Immediate other hazard(s) was modified.
Section 3: Other health effects information was modified.
Section 14: ID Number(s) was modified.
Section 16: HMIS explanation was modified.
Section 16: NFPA explanation was modified.
Section 8: Exposure guidelines ingredient information was modified.
Section 8: Skin protection - protective clothing text was modified.
First Aid text was added.
Section 12: Ecotoxicological phrase was added.
Section 12: Chemical Fate phrase was added.
Section 16: Web address was deleted.
Section 3: Immediate ingestion hazard(s) was deleted.
Section 3: Immediate inhalation hazard(s) was deleted.
Section 3: Immediate eye hazard(s) was deleted.
Section 12: Ecotoxicological ecotox article information was deleted.
Section 12: Ecotoxicological ecofate information was deleted.
Section 15: Risk phrase(s) was deleted.
Section 15: Precautions section heading was deleted.
Section 15: Precautions section statement(s) was deleted.
Section 15: US Label Information heading was deleted.

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