Safety Data Sheet

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SECTION 1: Identification

1.1. Product identifier
3M POLYMERIC COMPOSITE MEMBRANE TOPCOAT PCM-102 PART B

1.2. Recommended use and restrictions on use

Recommended use
Component of topcoat used to protect workers from falling rock in mines

1.3. Supplier's details

MANUFACTURER:	3M
DIVISION:	Personal Safety Division
ADDRESS:	3M Center, St. Paul, MN 55144-1000, USA
Telephone:	1-888-3M HELPS (1-888-364-3577)

1.4. Emergency telephone number
1-800-364-3577 or (651) 737-6501 (24 hours)

SECTION 2: Hazard identification

2.1. Hazard classification
Acute Toxicity (oral): Category 4.
Acute Toxicity (dermal): Category 4.
Acute Toxicity (inhalation): Category 4.
Serious Eye Damage/Irritation: Category 1.
Skin Corrosion/Irritation: Category 1B.
Reproductive Toxicity: Category 2.
Specific Target Organ Toxicity (respiratory irritation): Category 3.
Specific Target Organ Toxicity (repeated exposure): Category 1.

2.2. Label elements
Signal word
Danger

Symbols
Corrosion | Exclamation mark | Health Hazard |

Pictograms

Hazard Statements
Harmful if swallowed.
Harmful in contact with skin.
Causes severe skin burns and eye damage.
Harmful if inhaled.
May cause respiratory irritation.
Suspected of damaging fertility or the unborn child.

Causes damage to organs through prolonged or repeated exposure:
liver |

May cause damage to organs through prolonged or repeated exposure:
endocrine system |
kidney/urinary tract |

Precautionary Statements

Prevention:
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Do not breathe dust/fume/gas/mist/vapors/spray.
Use only outdoors or in a well-ventilated area.
Wear protective gloves, protective clothing, and eye/face protection.
Do not eat, drink or smoke when using this product.
Wash thoroughly after handling.

Response:
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a POISON CENTER or doctor/physician.
Take off contaminated clothing and wash it before reuse.
IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

Storage:
Store in a well-ventilated place. Keep container tightly closed.
Store locked up.

Disposal:
Dispose of contents/container in accordance with applicable local/regional/national/international regulations.

2.3. Hazards not otherwise classified
May cause chemical gastrointestinal burns.

51% of the mixture consists of ingredients of unknown acute inhalation toxicity.

SECTION 3: Composition/information on ingredients

Ingredient	C.A.S. No.	% by Wt
Brominated alcohol	Trade Secret*	4 - 12 Trade Secret *
Chlorinated Phosphate Salt	Trade Secret*	< 10 Trade Secret *
Glycol Ether	Trade Secret*	< 10 Trade Secret *
Polyetheramine	Trade Secret*	3 - 7 Trade Secret *
Ammonium Salt	Trade Secret*	1 - 5 Trade Secret *
Amine	Trade Secret*	1 - 5 Trade Secret *
Substituted Siloxane	Trade Secret*	0.5 - 1.5 Trade Secret *
Zeolites	Trade Secret*	0.5 - 1.5 Trade Secret *
Alkyl Acid	Trade Secret*	0 - 0.5 Trade Secret *
Poly(Oxypropylene)Diamine	Trade Secret*	40 - 50 Trade Secret *
Diethyltoluenediamine	Trade Secret*	15 - 25 Trade Secret *

*The specific chemical identity and/or exact percentage (concentration) of this composition has been withheld as a trade secret.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation:
Remove person to fresh air. If you feel unwell, get medical attention.

Skin Contact:
Immediately flush with large amounts of water for at least 15 minutes. Remove contaminated clothing. Get immediate medical attention. Wash clothing before reuse.

Eye Contact:
Immediately flush with large amounts of water for at least 15 minutes. Remove contact lenses if easy to do. Continue rinsing. Immediately get medical attention.

If Swallowed:
Rinse mouth. Do not induce vomiting. Get immediate medical attention.

4.2. Most important symptoms and effects, both acute and delayed
See Section 11.1. Information on toxicological effects.

4.3. Indication of any immediate medical attention and special treatment required
Not applicable.

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media
In case of fire: Use a fire fighting agent suitable for ordinary combustible material such as water or foam to extinguish.

5.2. Special hazards arising from the substance or mixture
None inherent in this product.

Hazardous Decomposition or By-Products

Substance	Condition
Formaldehyde	During Combustion
Carbon monoxide	During Combustion
Carbon dioxide	During Combustion

Oxides of Nitrogen	During Combustion

5.3. Special protective actions for fire-fighters
No special protective actions for fire-fighters are anticipated.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
Evacuate area. 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. Refer to other sections of this SDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment.

6.2. Environmental precautions
Avoid release to the environment. For larger spills, cover drains and build dikes to prevent entry into sewer systems or bodies of water.

6.3. Methods and material for containment and cleaning up
Contain spill. 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 physical, health, or environmental hazard. Collect as much of the spilled material as possible. Place in a closed container approved for transportation by appropriate authorities. Clean up residue with an appropriate solvent selected by a qualified and authorized person. Ventilate the area with fresh air. Read and follow safety precautions on the solvent label and SDS. Seal the container. Dispose of collected material as soon as possible.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Do not handle until all safety precautions have been read and understood. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Avoid release to the environment. Wash contaminated clothing before reuse. Avoid contact with oxidizing agents (eg. chlorine, chromic acid etc.) Use personal protective equipment (gloves, respirators, etc.) as required.

7.2. Conditions for safe storage including any incompatibilities
Store in a well-ventilated place. Keep container tightly closed. Store away from heat. Store away from acids. Store away from strong bases. Store away from oxidizing agents.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits
If a component is disclosed in section 3 but does not appear in the table below, an occupational exposure limit is not available for the component.

Ingredient	C.A.S. No.	Agency	Limit type	Additional Comments
Alkyl Acid	Trade Secret	ACGIH	TWA(inhalable fraction and vapor):5 mg/m3	
Diethyltoluenediamine	Trade Secret	CMRG	TWA:0.02 ppm(0.13 mg/m3)	
Amine	Trade Secret	AIHA	TWA(inhalable particulates):10 mg/m3;TWA(respirable particles):5 mg/m3	
Zeolites	Trade	ACGIH	TWA(respirable fraction):1	A4: Not class. as human

	Secret		mg/m3	carcin

ACGIH : American Conference of Governmental Industrial Hygienists
AIHA : American Industrial Hygiene Association
CMRG : Chemical Manufacturer's Recommended Guidelines
OSHA : United States Department of Labor - Occupational Safety and Health Administration
TWA: Time-Weighted-Average
STEL: Short Term Exposure Limit
CEIL: Ceiling

8.2. Exposure controls

8.2.1. Engineering controls
Provide ventilated enclosure for heat curing. Curing enclosures must be exhausted to outdoors or to a suitable emission control device. Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below relevant Exposure Limits and/or control dust/fume/gas/mist/vapors/spray. If ventilation is not adequate, use respiratory protection equipment.

8.2.2. Personal protective equipment (PPE)

Eye/face protection

Select and use eye/face protection to prevent contact based on the results of an exposure assessment. The following eye/face protection(s) are recommended:
Full Face Shield
Indirect Vented Goggles

Skin/hand protection
Select and use gloves and/or protective clothing approved to relevant local standards to prevent skin contact based on the results of an exposure assessment. Selection should be based on use factors such as exposure levels, concentration of the substance or mixture, frequency and duration, physical challenges such as temperature extremes, and other use conditions. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible gloves/protective clothing. Note: Nitrile gloves may be worn over polymer laminate gloves to improve dexterity.
Gloves made from the following material(s) are recommended: Polymer laminate

If this product is used in a manner that presents a higher potential for exposure (eg. spraying, high splash potential etc.), then use of protective coveralls may be necessary. Select and use body protection to prevent contact based on the results of an exposure assessment. The following protective clothing material(s) are recommended: Apron - polymer laminate

Respiratory protection

An exposure assessment may be needed to decide if a respirator is required. If a respirator is needed, use respirators as part of a full respiratory protection program. Based on the results of the exposure assessment, select from the following respirator type(s) to reduce inhalation exposure:
Half facepiece or full facepiece air-purifying respirator suitable for organic vapors and particulates

For questions about suitability for a specific application, consult with your respirator manufacturer.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

General Physical Form:	Liquid
Specific Physical Form:	Liquid
Odor, Color, Grade:	Orange colour slight amine odour
Odor threshold	*No Data Available*
pH	*Not Applicable*
Melting point	*Not Applicable*
Boiling Point	> 250 ºC

Flash Point	> 200 ºF [*Test Method:* Pensky-Martens Closed Cup]
Flash Point	Flash point > 93 °C (200 °F)
Evaporation rate	*No Data Available*
Flammability (solid, gas)	Not Applicable
Flammable Limits(LEL)	*No Data Available*
Flammable Limits(UEL)	*No Data Available*
Vapor Pressure	*No Data Available*
Vapor Density	*No Data Available*
Density	1.09 g/ml
Specific Gravity	1.09 [*Ref Std:* WATER=1]
Solubility in Water	Slight (less than 10%)
Solubility- non-water	*No Data Available*
Partition coefficient: n-octanol/ water	*No Data Available*
Autoignition temperature	*No Data Available*
Decomposition temperature	*No Data Available*
Viscosity	763 centipoise [@ 26.1 ºC] [*Details:* DMA Method]
Hazardous Air Pollutants	*No Data Available*
Volatile Organic Compounds	*No Data Available*
Percent volatile	*No Data Available*
VOC Less H2O & Exempt Solvents	*No Data Available*
Flash Point as text	Flash point > 93 °C (200 °F)
Minimum Storage Temperature	>=50 ºF
Maximum Storage Temperature	<=95 ºF

SECTION 10: Stability and reactivity

10.1. Reactivity
This material may be reactive with certain agents under certain conditions - see the remaining headings in this section.

10.2. Chemical stability
Stable.

10.3. Possibility of hazardous reactions
Hazardous polymerization will not occur.

10.4. Conditions to avoid
Heat
Sparks and/or flames

10.5. Incompatible materials
Strong oxidizing agents
Reducing agents
Strong acids
Strong bases

10.6. Hazardous decomposition products

Substance	Condition
Ammonia	Not Specified

Refer to section 5.2 for hazardous decomposition products during combustion.

SECTION 11: Toxicological information

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. In addition, toxicological data on ingredients may not be reflected in the material classification and/or the signs and symptoms of exposure, because an ingredient may be present below the threshold for labeling, an ingredient may not be available for exposure, or the data may not be relevant to the material as a whole.

11.1. Information on Toxicological effects

Signs and Symptoms of Exposure

Based on test data and/or information on the components, this material may produce the following health effects:

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

Skin Contact:
Harmful in contact with skin. Corrosive (Skin Burns): Signs/symptoms may include localized redness, swelling, itching, intense pain, blistering, ulceration, and tissue destruction.

Eye Contact:
Corrosive (Eye Burns): Signs/symptoms may include cloudy appearance of the cornea, chemical burns, severe pain, tearing, ulcerations, significantly impaired vision or complete loss of vision.

Ingestion:
Harmful if swallowed. Gastrointestinal Corrosion: Signs/symptoms may include severe mouth, throat and abdominal pain; nausea; vomiting; and diarrhea; blood in the feces and/or vomitus may also be seen.

May cause additional health effects (see below).

Additional Health Effects:

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

Endocrine Effects: Signs/symptoms may include disruption of gonadal, thyroid, adrenal, or pancreatic function; changes in hormone production; alterations in circulating hormone levels; and/or changes in tissue response to hormones.

Kidney/Bladder Effects: Signs/symptoms may include changes in urine production, abdominal or lower back pain, increased protein in urine, increased blood urea nitrogen (BUN), blood in urine, and painful urination.

Reproductive/Developmental Toxicity:
Contains a chemical or chemicals which can cause birth defects or other reproductive harm.

Toxicological Data
If a component is disclosed in section 3 but does not appear in a table below, either no data are available for that endpoint or the data are not sufficient for classification.

Acute Toxicity

Name	Route	Species	Value
Overall product	Dermal		No data available; calculated ATE 1,000 - 2,000 mg/kg
Overall product	Inhalation-Dust/Mist(4 hr)		No data available; calculated ATE 1 - 5 mg/l
Overall product	Ingestion		No data available; calculated ATE 300 - 2,000 mg/kg

Poly(Oxypropylene)Diamine	Dermal	Rabbit	LD50 > 1,000 mg/kg
Poly(Oxypropylene)Diamine	Ingestion	Rat	LD50 >= 475 mg/kg
Diethyltoluenediamine	Dermal	Rat	LD50 > 2,000 mg/kg
Diethyltoluenediamine	Inhalation-Dust/Mist (4 hours)	Rat	LC50 > 0.61 mg/l
Diethyltoluenediamine	Ingestion	Rat	LD50 472 mg/kg
Chlorinated Phosphate Salt	Dermal	Rabbit	LD50 > 2,000 mg/kg
Chlorinated Phosphate Salt	Inhalation-Dust/Mist (4 hours)	Rat	LC50 estimated to be 5 - 12.5 mg/l
Chlorinated Phosphate Salt	Ingestion	Rat	LD50 1,101 mg/kg
Polyetheramine	Dermal	Rabbit	LD50 2,000 mg/kg
Polyetheramine	Ingestion	Rat	LD50 1,010 mg/kg
Amine	Dermal	Rabbit	LD50 > 1,000 mg/kg
Amine	Ingestion	Rat	LD50 3,161 mg/kg
Ammonium Salt	Dermal	Rat	LD50 > 5,000 mg/kg
Ammonium Salt	Inhalation-Dust/Mist (4 hours)	Rat	LC50 > 5.1 mg/l
Ammonium Salt	Ingestion	Rat	LD50 4,740 mg/kg
Zeolites	Dermal	Rabbit	LD50 > 2,000 mg/kg
Zeolites	Inhalation-Dust/Mist (4 hours)	Rat	LC50 > 4.57 mg/l
Zeolites	Ingestion	Rat	LD50 > 5,000 mg/kg
Substituted Siloxane	Dermal	Rabbit	LD50 > 19,400 mg/kg
Substituted Siloxane	Ingestion	Rat	LD50 > 17,000 mg/kg
Alkyl Acid	Dermal	Rat	LD50 > 2,000 mg/kg
Alkyl Acid	Inhalation-Dust/Mist (4 hours)	Rat	LC50 > 3.54 mg/l
Alkyl Acid	Ingestion	Rat	LD50 1,600 mg/kg

ATE = acute toxicity estimate

Skin Corrosion/Irritation

Name	Species	Value
Poly(Oxypropylene)Diamine	Rabbit	Corrosive
Diethyltoluenediamine	Rabbit	No significant irritation
Chlorinated Phosphate Salt	Rabbit	Minimal irritation
Polyetheramine	Rabbit	Corrosive
Amine	Guinea pig	No significant irritation
Zeolites	Rabbit	No significant irritation
Substituted Siloxane	Rabbit	No significant irritation
Alkyl Acid	Rabbit	Corrosive

Serious Eye Damage/Irritation

Name	Species	Value
Poly(Oxypropylene)Diamine	Rabbit	Corrosive
Diethyltoluenediamine	Rabbit	Severe irritant
Chlorinated Phosphate Salt	Rabbit	No significant irritation
Polyetheramine	Rabbit	Corrosive
Amine	Rabbit	No significant irritation
Zeolites	Rabbit	Mild irritant
Substituted Siloxane	Rabbit	No significant irritation
Alkyl Acid	Rabbit	Corrosive

Skin Sensitization

Name	Species	Value
Poly(Oxypropylene)Diamine	Guinea pig	Not sensitizing
Diethyltoluenediamine	Human	Some positive data exist, but the data are not

		sufficient for classification
Polyetheramine	Guinea pig	Not sensitizing
Amine	Guinea pig	Not sensitizing

Respiratory Sensitization

For the component/components, either no data are currently available or the data are not sufficient for classification.

Germ Cell Mutagenicity

Name	Route	Value
Poly(Oxypropylene)Diamine	In Vitro	Not mutagenic
Poly(Oxypropylene)Diamine	In vivo	Not mutagenic
Diethyltoluenediamine	In Vitro	Some positive data exist, but the data are not sufficient for classification
Diethyltoluenediamine	In vivo	Some positive data exist, but the data are not sufficient for classification
Amine	In Vitro	Not mutagenic
Amine	In vivo	Not mutagenic
Alkyl Acid	In Vitro	Some positive data exist, but the data are not sufficient for classification

Carcinogenicity

Name	Route	Species	Value
Diethyltoluenediamine	Ingestion	Rat	Some positive data exist, but the data are not sufficient for classification
Amine	Ingestion	Rat	Some positive data exist, but the data are not sufficient for classification

Reproductive Toxicity

Reproductive and/or Developmental Effects

Name	Route	Value	Species	Test Result	Exposure Duration
Poly(Oxypropylene)Diamine	Dermal	Not toxic to female reproduction	Rat	NOAEL 30 mg/kg/day	premating & during gestation
Poly(Oxypropylene)Diamine	Dermal	Not toxic to male reproduction	Rat	NOAEL 30 mg/kg/day	premating & during gestation
Poly(Oxypropylene)Diamine	Dermal	Not toxic to development	Rat	NOAEL 30 mg/kg/day	premating & during gestation
Diethyltoluenediamine	Ingestion	Not toxic to female reproduction	Rat	NOAEL 3.5 mg/kg/day	24 months
Diethyltoluenediamine	Ingestion	Not toxic to male reproduction	Rat	NOAEL 2.8 mg/kg/day	24 months
Chlorinated Phosphate Salt	Ingestion	Some positive reproductive/developmental data exist, but the data are not sufficient for classification	Rat	LOAEL 99 mg/kg/day	2 generation
Amine	Ingestion	Not toxic to development	Rat	NOAEL 1,060 mg/kg/day	during organogenesis
Alkyl Acid	Ingestion	Toxic to female reproduction	Rat	NOAEL 300 mg/kg/day	1 generation
Alkyl Acid	Ingestion	Toxic to male reproduction	Rat	NOAEL 300 mg/kg/day	1 generation
Alkyl Acid	Ingestion	Toxic to development	Multiple animal species	NOAEL 100 mg/kg/day	during organogenesis

Target Organ(s)

Specific Target Organ Toxicity - single exposure

Name	Route	Target Organ(s)	Value	Species	Test Result	Exposure Duration
Poly(Oxypropylene)Diamine	Inhalation	respiratory irritation	May cause respiratory irritation		NOAEL Not available	
Chlorinated Phosphate Salt	Inhalation	nervous system	Some positive data exist, but the data are not sufficient for classification	Rat	NOAEL Not available	4 hours
Chlorinated Phosphate Salt	Ingestion	nervous system	Some positive data exist, but the data are not sufficient for classification	Rat	NOAEL Not available	
Polyetheramine	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification		NOAEL Not available	
Alkyl Acid	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification		NOAEL Not available	

Specific Target Organ Toxicity - repeated exposure

Name	Route	Target Organ(s)	Value	Species	Test Result	Exposure Duration
Diethyltoluenediamine	Ingestion	liver	Causes damage to organs through prolonged or repeated exposure	Rat	LOAEL 0.4 mg/kg/day	24 months
Diethyltoluenediamine	Ingestion	endocrine system	May cause damage to organs though prolonged or repeated exposure	Rat	NOAEL 1.4 mg/kg/day	24 months
Diethyltoluenediamine	Ingestion	kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification	Rat	NOAEL 2.8 mg/kg/day	24 months
Diethyltoluenediamine	Ingestion	eyes	Some positive data exist, but the data are not sufficient for classification	Rat	NOAEL 1.4 mg/kg/day	24 months
Diethyltoluenediamine	Ingestion	heart | skin | bone, teeth, nails, and/or hair | hematopoietic system | immune system | muscles | nervous system | respiratory system	All data are negative	Rat	NOAEL 3.5 mg/kg/day	24 months
Amine	Ingestion	kidney and/or bladder	May cause damage to organs though prolonged or repeated exposure	Rat	LOAEL 63 mg/kg/day	13 weeks
Alkyl Acid	Ingestion	blood | liver	Some positive data exist, but the data are not sufficient for classification	Rat	NOAEL 1,068 mg/kg/day	13 weeks
Alkyl Acid	Ingestion	skin | kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification	Mouse	NOAEL 3,139 mg/kg/day	13 weeks

Aspiration Hazard

Name	Value
Poly(Oxypropylene)Diamine	Some positive data exist, but the data are not sufficient for classification

Please contact the address or phone number listed on the first page of the SDS for additional toxicological information on this material and/or its components.

SECTION 12: Ecological information

Ecotoxicological information

Please contact the address or phone number listed on the first page of the SDS for additional ecotoxicological information on this material and/or its components.

Chemical fate information

Please contact the address or phone number listed on the first page of the SDS for additional chemical fate information on this material and/or its components.

SECTION 13: Disposal considerations

13.1. Disposal methods
Dispose of contents/ container in accordance with the local/regional/national/international regulations.

Dispose of waste product in a permitted industrial waste facility. As a disposal alternative, incinerate in a permitted waste incineration facility. Empty drums/barrels/containers used for transporting and handling hazardous chemicals (chemical substances/mixtures/preparations classified as Hazardous as per applicable regulations) shall be considered, stored, treated & disposed of as hazardous wastes unless otherwise defined by applicable waste regulations. Consult with the respective regulating authorities to determine the available treatment and disposal facilities.

EPA Hazardous Waste Number (RCRA): Not regulated

SECTION 14: Transport Information

For Transport Information, please visit **http://3M.com/Transportinfo** or call 1-800-364-3577 or 651-737-6501.

SECTION 15: Regulatory information

15.1. US Federal Regulations
Contact 3M for more information.

311/312 Hazard Categories:

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

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

Ingredient (Category if applicable)	C.A.S. No	Regulation	Status
Diethyltoluenediamine (Benzenediamine, ar,ar-diethyl-ar-methyl-)	Trade Secret	Toxic Substances Control Act (TSCA) 4 Test Rule Chemicals	Applicable
Diethyltoluenediamine	Trade Secret	Toxic Substances Control Act (TSCA) 4 Test Rule Chemicals	Applicable

15.2. State Regulations
Contact 3M for more information.

15.3. Chemical Inventories
The components of this material are in compliance with the provisions of the Korean Toxic Chemical Control Law. Certain restrictions may apply. Contact the selling division for additional information.

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

Contact 3M for more information.

15.4. International Regulations
Contact 3M for more information.

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

SECTION 16: Other information

NFPA Hazard Classification
Health: 3 **Flammability:** 1 **Instability:** 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.

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