**Safety Data Sheet**

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| | | | |
|---|---|---|---|
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| **Issue Date:** | 2025/09/18 | **Supersedes Date:** | 2020/10/29 |

# SECTION 1: Identification

**1.1. Product identifier**
3M™ Scotch-Weld™ Epoxy Adhesive DP-460 EG

**1.2. Recommended use and restrictions on use**

**Recommended use**
Electronic grade adhesive

**1.3. Supplier's details**

**Company:** 3M Canada Company
**Division:** Electronics Materials Solutions Division
**Address:** 1840 Oxford Street East, Post Office Box 5757, London, Ontario N6A 4T1

**Telephone:** (800) 364-3577
**E Mail:**

**1.4. Emergency telephone number**
Medical Emergency Telephone:1-800-3M HELPS / 1800 364 3577

**This product is a kit or a multipart product which consists of multiple, independently packaged components. A Safety Data Sheet (SDS) or Article Information Sheet (AIS) for each of these components is included. Please do not separate the component documents from this cover page. The document numbers for components of this product are:**

09-2119-7, 36-6618-7

Transport in accordance with applicable regulations.

The information in this Safety Data Sheet (SDS) is believed to be correct as of the date issued. The manufacturer MAKES NO WARRANTIES, EXPRESS OR IMPLIED, STATUTORY OR OTHERWISE, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTY OR CONDITION ARISING OUT OF A COURSE OF PERFORMANCE, COURSE OF DEALING, CUSTOM OR USAGE OF TRADE. User is responsible for determining whether the 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 product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the product to determine whether it is fit for a particular purpose and suitable for user's method of use or application.

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# Safety Data Sheet

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| **Issue Date:** | 2026/10/02 | **Supersedes Date:** | 2025/11/28 |

This Safety Data Sheet has been prepared in accordance with the Canadian Hazardous Products Regulations.

## SECTION 1: Identification

### 1.1. Product identifier
3M™ Scotch-Weld™ Epoxy Adhesive DP-460 EG (Part B)

**Product Identification Numbers**

| | | | | |
|---|---|---|---|---|
| LZ-G100-2282-4 | LZ-G100-2370-2 | LZ-G100-2370-4 | LZ-G100-2372-9 | UU-0128-3212-5 |
| XA-0041-2214-0 | XA-0041-3961-5 | XA-0041-3985-4 | XA-0067-2825-8 | |

### 1.2. Recommended use and restrictions on use

**Intended Use**
Adhesive

**Restrictions on use**
Not applicable

### 1.3. Supplier's details

| | |
|---|---|
| **Company:** | 3M Canada Company |
| **Division:** | Electronics Materials Solutions Division |
| **Address:** | 1840 Oxford Street East, Post Office Box 5757, London, Ontario N6A 4T1 |
| **Telephone:** | (800) 364-3577 |
| **Website:** | www.3M.ca |

### 1.4. Emergency telephone number
Medical Emergency Telephone:1-800-3M HELPS / 1800 364 3577

## SECTION 2: Hazard identification

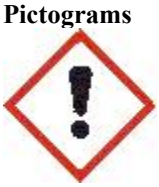
### 2.1. Classification of the substance or mixture
Serious Eye Damage/Irritation: Category 2B.
Skin Sensitizer: Category 1.

### 2.2. Label elements
**Signal word**
Warning

**Symbols**

Exclamation mark |

**Pictograms**



**Hazard Statements**

Causes eye irritation. May cause an allergic skin reaction.

**Precautionary statements**

**Prevention:**
Avoid breathing fumes. Wash exposed skin thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves.

**Response:**
IF ON SKIN: Wash with plenty of soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation or rash occurs: Get medical attention. If eye irritation persists: Get medical advice. Take off contaminated clothing and wash it before reuse.

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

**2.3. Other hazards**
None known.

## SECTION 3: Composition/information on ingredients

This material is a mixture.

| Ingredient | C.A.S. No. | % by Wt | Common Name |
|---|---|---|---|
| 4,4'-isopropylidenediphenol-epichlorohydrin polymer | 25068-38-6 | 80 - 100 Trade Secret * | Phenol, 4,4'-(1-methylethylidene)bis-, polymer with (chloromethyl)oxirane |
| MBS Polymers | Trade Secret | 1 - 20 | Not Applicable |

MBS Polymers is a non-hazardous material according to WHMIS criteria. Specific information has been withheld as a trade secret.

*The concentration (exact or range) of this component 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 wash with soap and water. Remove contaminated clothing and wash before reuse. If signs/symptoms develop, get medical attention.

**Eye Contact:**

Flush with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. If signs/symptoms persist, get medical attention.

**If Swallowed:**
Rinse mouth. If you feel unwell, get medical attention.

**4.2. Most important symptoms and effects, both acute and delayed**

Allergic skin reaction (redness, swelling, blistering, and itching).

**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. Unsuitable extinguishing media**
None Determined

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

**Hazardous Decomposition or By-Products**

| Substance | Condition |
|---|---|
| Aldehydes | During Combustion |
| Carbon monoxide | During Combustion |
| Carbon dioxide | During Combustion |
| Hydrogen Chloride | During Combustion |
| Irritant Vapours or Gases | During Combustion |

**5.4. Special protection actions for fire-fighters**
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.

## 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 vapours, in accordance with good industrial hygiene practice. Use personal protective equipment based on the results of an exposure assessment. Refer to Section 8 for PPE recommendations. If anticipated exposure resulting from an accidental release exceeds the protective capabilities of the PPE listed in Section 8, or are unknown, select PPE that offers an appropriate level of protection. Consider the physical and chemical hazards of the material when doing so. Examples of PPE ensembles for emergency response could include wearing bunker gear for a release of flammable material; wearing chemical protective clothing if the spilled material is a corrosive, a sensitizer, a significant dermal irritant, or can be absorbed through the skin; or donning a positive pressure supplied-air respirator for chemicals with inhalation hazards. For information regarding physical and health hazards, refer to sections 2 and 11 of the SDS.

**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 in accordance with applicable local/regional/national/international regulations.

## SECTION 7: Handling and storage

**7.1. Precautions for safe handling**
Avoid breathing dust/fume/gas/mist/vapours/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. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wash contaminated clothing before reuse. Avoid contact with oxidizing agents (eg. chlorine, chromic acid etc.)

**7.2. Conditions for safe storage including any incompatibilities**
Store away from acids. Store away from oxidizing agents.

## SECTION 8: Exposure controls/personal protection

**8.1. Control parameters**

**Occupational exposure limits**
No occupational exposure limit values exist for any of the components listed in Section 3 of this SDS.

**8.2. Exposure controls**

**8.2.1. Engineering controls**
Provide ventilated enclosure for 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/vapours/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:
Safety Glasses with side shields
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 (e.g., spraying, high splash potential, etc.), then use of a protective apron may be necessary. See recommended glove material(s) for determining appropriate apron material(s). If a glove material is not available as an apron, polymer laminate is a suitable option.

**Respiratory protection**
None required.

## SECTION 9: Physical and chemical properties

**9.1. Information on basic physical and chemical properties**

| | |
|---|---|
| **Physical state** | Liquid |
| **Specific Physical Form:** | Viscous |
| **Colour** | White |
| **Odour** | Very Mild Epoxy |
| **Odour threshold** | *No Data Available* |
| **pH** | *Not Applicable* |
| **Melting point/Freezing point** | *Not Applicable* |
| **Boiling point** | *No Data Available* |
| **Flash Point** | 175 ºC [*Test Method:*Open Cup] |
| **Evaporation rate** | *Not Applicable* |
| **Flammability** | Not Applicable |
| **Flammable Limits(LEL)** | *No Data Available* |
| **Flammable Limits(UEL)** | *No Data Available* |
| **Vapour Pressure** | <=0.03 mmHg [@ 20 ºC] |
| **Relative Vapour Density** | *No Data Available* |
| **Density** | 1.14 g/ml [*Ref Std:*WATER=1] |
| **Relative density** | 1.14 |
| **Water solubility** | Negligible |
| **Solubility- non-water** | *No Data Available* |
| **Partition coefficient: n-octanol/ water** | *No Data Available* |
| **Autoignition temperature** | *No Data Available* |
| **Decomposition temperature** | *No Data Available* |
| **Kinematic Viscosity** | 87,719 mm2/sec |
| **Volatile Organic Compounds** | 2 g/l [*Test Method:*tested per EPA method 24A] |
| **Percent volatile** | 0 % weight |
| **VOC Less H2O & Exempt Solvents** | 2 g/l [*Test Method:*tested per EPA method 24A] |
| **Molecular weight** | *No Data Available* |

| | |
|---|---|
| **Particle Characteristics** | *Not Applicable* |

## 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 is generated during cure. Do not cure a mass larger than 50 grams in a confined space to prevent a premature exothermic reaction with production of intense heat and smoke.

**10.5. Incompatible materials**
Strong acids

Strong oxidizing agents

**10.6. Hazardous decomposition products**

| Substance | Condition |
|---|---|
| None known. | |

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:**
No health effects are expected.

**Skin Contact:**
Mild 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.

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

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

**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 | Ingestion | | No data available; calculated ATE >5,000 mg/kg |
| 4,4'-isopropylidenediphenol-epichlorohydrin polymer | Dermal | Rat | LD50 > 1,600 mg/kg |
| 4,4'-isopropylidenediphenol-epichlorohydrin polymer | Ingestion | Rat | LD50 > 1,000 mg/kg |
| MBS Polymers | Dermal | Rabbit | LD50 > 5,000 mg/kg |
| MBS Polymers | Ingestion | Rat | LD50 > 5,000 mg/kg |

ATE = acute toxicity estimate

**Skin Corrosion/Irritation**

| Name | Species | Value |
|---|---|---|
| 4,4'-isopropylidenediphenol-epichlorohydrin polymer | Rabbit | Mild irritant |
| MBS Polymers | Professional judgement | Minimal irritation |

### Serious Eye Damage/Irritation

| Name | Species | Value |
|---|---|---|
| 4,4'-isopropylidenediphenol-epichlorohydrin polymer | Rabbit | Moderate irritant |
| MBS Polymers | Professional judgement | Mild irritant |

### Skin Sensitization

| Name | Species | Value |
|---|---|---|
| 4,4'-isopropylidenediphenol-epichlorohydrin polymer | Human and animal | Sensitizing |

### Respiratory Sensitization

| Name | Species | Value |
|---|---|---|
| 4,4'-isopropylidenediphenol-epichlorohydrin polymer | Human | Not classified |

### Germ Cell Mutagenicity

| Name | Route | Value |
|---|---|---|
| 4,4'-isopropylidenediphenol-epichlorohydrin polymer | In vivo | Not mutagenic |
| 4,4'-isopropylidenediphenol-epichlorohydrin polymer | In Vitro | Some positive data exist, but the data are not sufficient for classification |

### Carcinogenicity

| Name | Route | Species | Value |
|---|---|---|---|
| 4,4'-isopropylidenediphenol-epichlorohydrin polymer | Dermal | Mouse | 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 |
|---|---|---|---|---|---|
| 4,4'-isopropylidenediphenol-epichlorohydrin polymer | Ingestion | Not classified for female reproduction | Rat | NOAEL 750 mg/kg/day | 2 generation |
| 4,4'-isopropylidenediphenol-epichlorohydrin polymer | Ingestion | Not classified for male reproduction | Rat | NOAEL 750 mg/kg/day | 2 generation |
| 4,4'-isopropylidenediphenol-epichlorohydrin polymer | Dermal | Not classified for development | Rabbit | NOAEL 300 mg/kg/day | during organogenesis |
| 4,4'-isopropylidenediphenol-epichlorohydrin polymer | Ingestion | Not classified for development | Rat | NOAEL 750 mg/kg/day | 2 generation |

### Target Organ(s)

### Specific Target Organ Toxicity - single exposure

| Name | Route | Target Organ(s) | Value | Species | Test result | Exposure Duration |
|---|---|---|---|---|---|---|
| 4,4'-isopropylidenediphenol-epichlorohydrin polymer | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | similar health hazards | NOAEL Not available | |

### Specific Target Organ Toxicity - repeated exposure

| Name | Route | Target Organ(s) | Value | Species | Test result | Exposure Duration |
|---|---|---|---|---|---|---|
| 4,4'-isopropylidenediphenol-epichlorohydrin polymer | Dermal | liver | Not classified | Rat | NOAEL 1,000 mg/kg/day | 2 years |

| | | | | | | |
|---|---|---|---|---|---|---|
| 4,4'-isopropylidenediphenol-epichlorohydrin polymer | Dermal | nervous system | Not classified | Rat | NOAEL 1,000 mg/kg/day | 13 weeks |
| 4,4'-isopropylidenediphenol-epichlorohydrin polymer | Ingestion | auditory system | Not classified | Rat | NOAEL 1,000 mg/kg/day | 28 days |
| 4,4'-isopropylidenediphenol-epichlorohydrin polymer | Ingestion | heart | Not classified | Rat | NOAEL 1,000 mg/kg/day | 28 days |
| 4,4'-isopropylidenediphenol-epichlorohydrin polymer | Ingestion | endocrine system | Not classified | Rat | NOAEL 1,000 mg/kg/day | 28 days |
| 4,4'-isopropylidenediphenol-epichlorohydrin polymer | Ingestion | hematopoietic system | Not classified | Rat | NOAEL 1,000 mg/kg/day | 28 days |
| 4,4'-isopropylidenediphenol-epichlorohydrin polymer | Ingestion | liver | Not classified | Rat | NOAEL 1,000 mg/kg/day | 28 days |
| 4,4'-isopropylidenediphenol-epichlorohydrin polymer | Ingestion | eyes | Not classified | Rat | NOAEL 1,000 mg/kg/day | 28 days |
| 4,4'-isopropylidenediphenol-epichlorohydrin polymer | Ingestion | kidney and/or bladder | Not classified | Rat | NOAEL 1,000 mg/kg/day | 28 days |

**Aspiration Hazard**
For the component/components, either no data are currently available or 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

No data available.

## SECTION 13: Disposal considerations

**13.1. Disposal methods**

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

Dispose of completely cured (or polymerized) material in a permitted industrial waste facility. As a disposal alternative, incinerate uncured product in a permitted waste incineration facility. Proper destruction may require the use of additional fuel during incineration processes. Combustion products will include halogen acid (HCl/HF/HBr). Facility must be capable of handling halogenated materials. If no other disposal options are available, waste product that has been completely cured or polymerized may be placed in a landfill properly designed for industrial waste. 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.

## 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. Safety, health and environmental regulations/legislation specific for the substance or mixture**

**Global inventory status**

Contact 3M for more information. The components of this product are in compliance with the chemical notification requirements of TSCA. All required components of this product are listed on the active portion of the TSCA Inventory.

## SECTION 16: Other information

**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.**
**Health:** 2 **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.

| | | | |
|---|---|---|---|
| **Document group:** | 36-6618-7 | **Version number:** | 7.00 |
| **Issue Date:** | 2026/10/02 | **Supersedes Date:** | 2025/11/28 |

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**3M Canada SDSs are available at www.3M.ca**

# Safety Data Sheet

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| | | | |
|---|---|---|---|
| **Document group:** | 09-2119-7 | **Version number:** | 21.00 |
| **Issue Date:** | 2026/07/15 | **Supersedes Date:** | 2025/11/28 |

This Safety Data Sheet has been prepared in accordance with the Canadian Hazardous Products Regulations.

## SECTION 1: Identification

### 1.1. Product identifier
3M™ Scotch-Weld™ Epoxy Adhesive DP-460 EG (Part A)

**Product Identification Numbers**

| | | | | |
|---|---|---|---|---|
| LA-M100-0722-4 | LA-M100-0723-7 | LA-M100-0723-8 | LA-M100-0723-9 | LA-M100-2370-0 |
| LA-M100-2370-3 | 62-2887-8530-6 | 62-2887-9935-6 | XA-0041-2213-2 | XA-0041-3960-7 |
| XA-0041-3984-7 | XA-0067-9724-6 | | | |

### 1.2. Recommended use and restrictions on use

**Intended Use**
Adhesive

**Specific Use**
Part A of 2 Part Adhesive

**Restrictions on use**
Not applicable

### 1.3. Supplier's details

| | |
|---|---|
| **Company:** | 3M Canada Company |
| **Division:** | Electronics Materials Solutions Division |
| **Address:** | 1840 Oxford Street East, Post Office Box 5757, London, Ontario N6A 4T1 |
| **Telephone:** | (800) 364-3577 |
| **Website:** | www.3M.ca |

### 1.4. Emergency telephone number
Medical Emergency Telephone:1-800-3M HELPS / 1800 364 3577

## SECTION 2: Hazard identification

### 2.1. Classification of the substance or mixture
Skin Corrosion/Irritation: Category 1B.
Serious Eye Damage/Irritation: Category 1.
Skin Sensitizer: Category 1.
Health Hazards Not Otherwise Classified - Category 1

**2.2. Label elements**
**Signal word**
Danger

**Symbols**
Corrosion |Exclamation mark |

**Pictograms**



**Hazard Statements**

Causes severe skin burns and eye damage. May cause an allergic skin reaction. May cause chemical gastrointestinal burns.

**Precautionary statements**

**Prevention:**
Do not breathe vapours. Wash exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves, protective clothing, eye protection, and face protection.

**Response:**
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF exposed or concerned: Immediately call a POISON CENTRE or doctor. If skin irritation or rash occurs: Get medical attention. Take off contaminated clothing and wash it before reuse.

**Storage:**
Store locked up.

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

**2.3. Other hazards**
None known.

39% of the mixture consists of ingredients of unknown acute oral toxicity.
39% of the mixture consists of ingredients of unknown acute dermal toxicity.

## SECTION 3: Composition/information on ingredients

This material is a mixture.

| Ingredient | C.A.S. No. | % by Wt | Common Name |
|---|---|---|---|
| Bis(3-Aminopropyl) Ether Of Diethylene Glycol | 4246-51-9 | 45 - 70 Trade Secret * | 1-Propanamine, 3,3'-[oxybis(2,1-ethanediyloxy)]bis- |
| Adduct | Trade Secret | 15 - 40 | Not Applicable |
| amorphous silica | 92797-60-9 | 3 - 7 | Silane, trimethoxyoctyl-, hydrolysis products with silica |

| | | | |
|---|---|---|---|
| Tris(2,4,6-dimethylaminomonomethyl)phenol | 90-72-2 | 1 - 5 Trade Secret * | Phenol, 2,4,6-tris[(dimethylamino)methyl]- |

Adduct is a non-hazardous material according to WHMIS criteria. Specific information has been withheld as a trade secret.

*The concentration (exact or range) of this component 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**

Skin burns (localized redness, swelling, itching, intense pain, blistering, and tissue destruction). Allergic skin reaction (redness, swelling, blistering, and itching). Serious damage to the eyes (corneal cloudiness, severe pain, tearing, ulcerations, and significantly impaired or loss of vision).

**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. Unsuitable extinguishing media**
None Determined

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

**Hazardous Decomposition or By-Products**

| Substance | Condition |
|---|---|
| Aldehydes | During Combustion |
| Carbon monoxide | During Combustion |
| Carbon dioxide | During Combustion |
| Hydrogen Chloride | During Combustion |
| Irritant Vapours or Gases | During Combustion |

**5.4. Special protection actions for fire-fighters**
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.

## 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 vapours, in accordance with good industrial hygiene practice. Use personal protective equipment based on the results of an exposure assessment. Refer to Section 8 for PPE recommendations. If anticipated exposure resulting from an accidental release exceeds the protective capabilities of the PPE listed in Section 8, or are unknown, select PPE that offers an appropriate level of protection. Consider the physical and chemical hazards of the material when doing so. Examples of PPE ensembles for emergency response could include wearing bunker gear for a release of flammable material; wearing chemical protective clothing if the spilled material is a corrosive, a sensitizer, a significant dermal irritant, or can be absorbed through the skin; or donning a positive pressure supplied-air respirator for chemicals with inhalation hazards. For information regarding physical and health hazards, refer to sections 2 and 11 of the SDS.

**6.2. Environmental precautions**
Avoid release to the environment.

**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 in accordance with applicable local/regional/national/international regulations.

## SECTION 7: Handling and storage

**7.1. Precautions for safe handling**
Avoid breathing of vapours created during cure cycle. For industrial or professional use only. Not for consumer sale or use. Do not breathe dust/fume/gas/mist/vapours/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. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wash contaminated clothing before reuse. Avoid contact with oxidizing agents (eg. chlorine, chromic acid etc.)

**7.2. Conditions for safe storage including any incompatibilities**
Store away from acids. Store away from oxidizing agents. Store locked up.

## SECTION 8: Exposure controls/personal protection

**8.1. Control parameters**

**Occupational exposure limits**
No occupational exposure limit values exist for any of the components listed in Section 3 of this SDS.

**8.2. Exposure controls**

**8.2.1. Engineering controls**
Provide ventilated enclosure for 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/vapours/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.

For prolonged or repeated contact, gloves made from the following material(s) are recommended (breakthrough times are >4 hours): Butyl Rubber, Neoprene, Nitrile Rubber

Any glove recommended for prolonged/repeated contact is also suitable for short-term/splash contact.

If this product is used in a manner that presents a higher potential for exposure (e.g., spraying, high splash potential, etc.), then use of a protective apron may be necessary. See recommended glove material(s) for determining appropriate apron material(s). If a glove material is not available as an apron, polymer laminate is a suitable option.

**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 vapours and particulates
Half facepiece or full facepiece supplied-air respirator

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**

| | |
|---|---|
| **Physical state** | Liquid |
| **Specific Physical Form:** | Viscous |
| **Colour** | Amber |
| **Odour** | Very Mild Amine |
| **Odour threshold** | *No Data Available* |
| **pH** | *Not Applicable* |
| **Melting point/Freezing point** | *Not Applicable* |
| **Boiling point** | *No Data Available* |
| **Flash Point** | >=250 ºC [*Test Method:*Open Cup] |
| **Evaporation rate** | *Not Applicable* |
| **Flammability** | Not Applicable |
| **Flammable Limits(LEL)** | *No Data Available* |
| **Flammable Limits(UEL)** | *No Data Available* |
| **Vapour Pressure** | <=0.003 mmHg [@ 20 ºC] |
| **Relative Vapour Density** | *No Data Available* |
| **Density** | 1.06 g/ml |
| **Relative density** | 1.06 [*Ref Std:*WATER=1] |

| | |
|---|---|
| **Water solubility** | Negligible |
| **Solubility- non-water** | *No Data Available* |
| **Partition coefficient: n-octanol/ water** | *No Data Available* |
| **Autoignition temperature** | *No Data Available* |
| **Decomposition temperature** | *No Data Available* |
| **Kinematic Viscosity** | 9,906 mm2/sec |
| **Volatile Organic Compounds** | 10.6 g/l [*Test Method:*tested per EPA method 24A] |
| **Percent volatile** | 0 % weight |
| **VOC Less H2O & Exempt Solvents** | 10.6 g/l [*Test Method:*tested per EPA method 24A] |
| **Molecular weight** | *No Data Available* |

| | |
|---|---|
| **Particle Characteristics** | *Not Applicable* |

## 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 is generated during cure. Do not cure a mass larger than 50 grams in a confined space to prevent a premature exothermic reaction with production of intense heat and smoke.

**10.5. Incompatible materials**
Strong acids
Strong oxidizing agents

**10.6. Hazardous decomposition products**

| **Substance** | **Condition** |
|---|---|
| None known. | |

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:**
Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose

and throat pain.

**Skin Contact:**
May be harmful in contact with skin. Corrosive (Skin Burns): Signs/symptoms may include localized redness, swelling, itching, intense pain, blistering, ulceration, and tissue destruction. Allergic Skin Reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.

**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:**
May be 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.

**Additional Information:**
Persons previously sensitized to amines may develop a cross-sensitization reaction to certain other amines.

**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 >2,000 - =5,000 mg/kg |
| Overall product | Ingestion | | No data available; calculated ATE >2,000 - =5,000 mg/kg |
| Bis(3-Aminopropyl) Ether Of Diethylene Glycol | Dermal | Rabbit | LD50 2,525 mg/kg |
| Bis(3-Aminopropyl) Ether Of Diethylene Glycol | Ingestion | Rat | LD50 2,850 mg/kg |
| amorphous silica | Dermal | | LD50 estimated to be > 5,000 mg/kg |
| amorphous silica | Ingestion | Rat | LD50 > 5,340 mg/kg |
| Tris(2,4,6-dimethylaminomonomethyl)phenol | Dermal | Rat | LD50 1,280 mg/kg |
| Tris(2,4,6-dimethylaminomonomethyl)phenol | Ingestion | Rat | LD50 1,000 mg/kg |

ATE = acute toxicity estimate

**Skin Corrosion/Irritation**

| Name | Species | Value |
|---|---|---|
| Bis(3-Aminopropyl) Ether Of Diethylene Glycol | Rabbit | Corrosive |
| Tris(2,4,6-dimethylaminomonomethyl)phenol | Rabbit | Corrosive |

**Serious Eye Damage/Irritation**

| Name | Species | Value |
|---|---|---|
| Bis(3-Aminopropyl) Ether Of Diethylene Glycol | Rabbit | Corrosive |
| Tris(2,4,6-dimethylaminomonomethyl)phenol | Rabbit | Corrosive |

**Skin Sensitization**

| Name | Species | Value |
|---|---|---|
| Bis(3-Aminopropyl) Ether Of Diethylene Glycol | Professional judgement | Sensitizing |
| Tris(2,4,6-dimethylaminomonomethyl)phenol | Guinea pig | Not classified |

**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 |
|---|---|---|
| Bis(3-Aminopropyl) Ether Of Diethylene Glycol | In Vitro | Not mutagenic |
| Tris(2,4,6-dimethylaminomonomethyl)phenol | In Vitro | Not mutagenic |

**Carcinogenicity**

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

**Reproductive Toxicity**

**Reproductive and/or Developmental Effects**

| Name | Route | Value | Species | Test result | Exposure Duration |
|---|---|---|---|---|---|
| Bis(3-Aminopropyl) Ether Of Diethylene Glycol | Ingestion | Not classified for female reproduction | Rat | NOAEL 600 mg/kg/day | premating into lactation |
| Bis(3-Aminopropyl) Ether Of Diethylene Glycol | Ingestion | Not classified for male reproduction | Rat | NOAEL 600 mg/kg/day | 59 days |
| Bis(3-Aminopropyl) Ether Of Diethylene Glycol | Ingestion | Not classified for development | Rat | NOAEL 600 mg/kg/day | premating into lactation |
| Tris(2,4,6-dimethylaminomonomethyl)phenol | Ingestion | Not classified for male reproduction | Rat | NOAEL 150 mg/kg/day | 2 generation |
| Tris(2,4,6-dimethylaminomonomethyl)phenol | Ingestion | Not classified for female reproduction | Rat | NOAEL 50 mg/kg/day | 2 generation |
| Tris(2,4,6-dimethylaminomonomethyl)phenol | Ingestion | Not classified for development | Rabbit | NOAEL 15 mg/kg/day | during gestation |

**Target Organ(s)**

**Specific Target Organ Toxicity - single exposure**

| Name | Route | Target Organ(s) | Value | Species | Test result | Exposure Duration |
|---|---|---|---|---|---|---|
| Bis(3-Aminopropyl) Ether Of Diethylene Glycol | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | similar health hazards | NOAEL Not available | |
| Tris(2,4,6-dimethylaminomonomethyl)phenol | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | similar health hazards | NOAEL Not available | |

**Specific Target Organ Toxicity - repeated exposure**

| Name | Route | Target Organ(s) | Value | Species | Test result | Exposure Duration |
|---|---|---|---|---|---|---|
| Bis(3-Aminopropyl) Ether Of Diethylene Glycol | Ingestion | gastrointestinal tract | Not classified | Rat | NOAEL 600 mg/kg/day | 59 days |
| Bis(3-Aminopropyl) Ether Of Diethylene Glycol | Ingestion | heart | Not classified | Rat | NOAEL 600 mg/kg/day | 59 days |
| Bis(3-Aminopropyl) Ether Of Diethylene Glycol | Ingestion | endocrine system | Not classified | Rat | NOAEL 600 mg/kg/day | 59 days |
| Bis(3-Aminopropyl) Ether Of Diethylene Glycol | Ingestion | bone, teeth, nails, and/or hair | Not classified | Rat | NOAEL 600 mg/kg/day | 59 days |
| Bis(3-Aminopropyl) Ether Of Diethylene Glycol | Ingestion | hematopoietic system | Not classified | Rat | NOAEL 600 mg/kg/day | 59 days |
| Bis(3-Aminopropyl) Ether Of Diethylene Glycol | Ingestion | liver | Not classified | Rat | NOAEL 600 mg/kg/day | 59 days |
| Bis(3-Aminopropyl) Ether Of Diethylene Glycol | Ingestion | immune system | Not classified | Rat | NOAEL 600 mg/kg/day | 59 days |
| Bis(3-Aminopropyl) Ether Of Diethylene Glycol | Ingestion | muscles | Not classified | Rat | NOAEL 600 mg/kg/day | 59 days |
| Bis(3-Aminopropyl) Ether Of Diethylene Glycol | Ingestion | nervous system | Not classified | Rat | NOAEL 600 mg/kg/day | 59 days |
| Bis(3-Aminopropyl) Ether Of Diethylene Glycol | Ingestion | eyes | Not classified | Rat | NOAEL 600 mg/kg/day | 59 days |

| | | | | | | |
|---|---|---|---|---|---|---|
| Bis(3-Aminopropyl) Ether Of Diethylene Glycol | Ingestion | kidney and/or bladder | Not classified | Rat | NOAEL 600 mg/kg/day | 59 days |
| Bis(3-Aminopropyl) Ether Of Diethylene Glycol | Ingestion | respiratory system | Not classified | Rat | NOAEL 600 mg/kg/day | 59 days |
| Bis(3-Aminopropyl) Ether Of Diethylene Glycol | Ingestion | vascular system | Not classified | Rat | NOAEL 600 mg/kg/day | 59 days |
| Tris(2,4,6-dimethylaminomonomethyl)phenol | Dermal | skin | Not classified | Rat | NOAEL 25 mg/kg/day | 4 weeks |
| Tris(2,4,6-dimethylaminomonomethyl)phenol | Dermal | liver | Not classified | Rat | NOAEL 125 mg/kg/day | 4 weeks |
| Tris(2,4,6-dimethylaminomonomethyl)phenol | Dermal | nervous system | Not classified | Rat | NOAEL 125 mg/kg/day | 4 weeks |
| Tris(2,4,6-dimethylaminomonomethyl)phenol | Dermal | auditory system | Not classified | Rat | NOAEL 125 mg/kg/day | 4 weeks |
| Tris(2,4,6-dimethylaminomonomethyl)phenol | Dermal | hematopoietic system | Not classified | Rat | NOAEL 125 mg/kg/day | 4 weeks |
| Tris(2,4,6-dimethylaminomonomethyl)phenol | Dermal | eyes | Not classified | Rat | NOAEL 125 mg/kg/day | 4 weeks |
| Tris(2,4,6-dimethylaminomonomethyl)phenol | Ingestion | heart | Not classified | Rat | NOAEL 150 mg/kg/day | 90 days |
| Tris(2,4,6-dimethylaminomonomethyl)phenol | Ingestion | endocrine system | Not classified | Rat | NOAEL 150 mg/kg/day | 90 days |
| Tris(2,4,6-dimethylaminomonomethyl)phenol | Ingestion | hematopoietic system | Not classified | Rat | NOAEL 150 mg/kg/day | 90 days |
| Tris(2,4,6-dimethylaminomonomethyl)phenol | Ingestion | liver | Not classified | Rat | NOAEL 150 mg/kg/day | 90 days |
| Tris(2,4,6-dimethylaminomonomethyl)phenol | Ingestion | muscles | Not classified | Rat | NOAEL 150 mg/kg/day | 90 days |
| Tris(2,4,6-dimethylaminomonomethyl)phenol | Ingestion | nervous system | Not classified | Rat | NOAEL 150 mg/kg/day | 90 days |
| Tris(2,4,6-dimethylaminomonomethyl)phenol | Ingestion | kidney and/or bladder | Not classified | Rat | NOAEL 150 mg/kg/day | 90 days |
| Tris(2,4,6-dimethylaminomonomethyl)phenol | Ingestion | respiratory system | Not classified | Rat | NOAEL 150 mg/kg/day | 90 days |
| Tris(2,4,6-dimethylaminomonomethyl)phenol | Ingestion | vascular system | Not classified | Rat | NOAEL 150 mg/kg/day | 90 days |
| Tris(2,4,6-dimethylaminomonomethyl)phenol | Ingestion | auditory system | Not classified | Rat | NOAEL 150 mg/kg/day | 90 days |
| Tris(2,4,6-dimethylaminomonomethyl)phenol | Ingestion | skin | Not classified | Rat | NOAEL 150 mg/kg/day | 90 days |
| Tris(2,4,6-dimethylaminomonomethyl)phenol | Ingestion | gastrointestinal tract | Not classified | Rat | NOAEL 150 mg/kg/day | 90 days |
| Tris(2,4,6-dimethylaminomonomethyl)phenol | Ingestion | bone, teeth, nails, and/or hair | Not classified | Rat | NOAEL 150 mg/kg/day | 90 days |
| Tris(2,4,6-dimethylaminomonomethyl)phenol | Ingestion | immune system | Not classified | Rat | NOAEL 150 mg/kg/day | 90 days |
| Tris(2,4,6-dimethylaminomonomethy | Ingestion | eyes | Not classified | Rat | NOAEL 150 mg/kg/day | 90 days |

| | | | | | | |
|---|---|---|---|---|---|---|
| l)phenol | | | | | | |

**Aspiration Hazard**
For the component/components, either no data are currently available or 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

No data available.

## SECTION 13: Disposal considerations

**13.1. Disposal methods**

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

Dispose of completely cured (or polymerized) material in a permitted industrial waste facility. As a disposal alternative, incinerate uncured product in a permitted waste incineration facility. Proper destruction may require the use of additional fuel during incineration processes. Combustion products will include halogen acid (HCl/HF/HBr). Facility must be capable of handling halogenated materials. 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.

## 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. Safety, health and environmental regulations/legislation specific for the substance or mixture**

**Global inventory status**

Contact 3M for more information. The components of this material are in compliance with the provisions of the Korea Chemical Control Act. Certain restrictions may apply. Contact the selling division for additional information. The components of this material are in compliance with the provisions of Australia National Industrial Chemical Notification and Assessment Scheme (NICNAS). Certain restrictions may apply. Contact the selling division for additional information. The components of this material are in compliance with the provisions of Japan Chemical Substance Control Law. Certain restrictions may apply. Contact the selling division for additional information. The components of this material are in compliance with the provisions of Philippines RA 6969 requirements. Certain restrictions may apply. Contact the selling division for additional information. The components of this product are in compliance with the new substance notification requirements of CEPA. This product complies with Measures on Environmental Management of New Chemical Substances. All ingredients are listed on or exempt from on China IECSC inventory. The components of this product are in compliance with the chemical notification requirements of TSCA. All required components of this product are listed on the active portion of the TSCA Inventory.

## SECTION 16: Other information

**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.**
**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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**3M Canada SDSs are available at www.3M.ca**