# Safety Data Sheet

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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™ Structural Adhesive Primer EW-5005

**Product Identification Numbers**

| | | | | |
|---|---|---|---|---|
| 41-3588-1699-3 | 87-3300-0085-9 | 87-3300-0123-8 | 87-3300-0203-8 | 87-3300-0224-4 |
| 87-3300-0225-1 | 87-3300-0226-9 | 87-3300-0227-7 | | |

### 1.2. Recommended use and restrictions on use

**Intended Use**
Industrial use, Primer

**Restrictions on use**
Not applicable

### 1.3. Supplier's details

| | |
|---|---|
| **Company:** | 3M Canada Company |
| **Division:** | Automotive and Aerospace 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 Sensitizer: Category 1.

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

**Symbols**
Exclamation mark |

**Pictograms**



**Hazard Statements**

May cause an allergic skin reaction.

**Precautionary statements**

**Prevention:**
Avoid breathing spray. 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 skin irritation or rash occurs: Get medical attention. 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.

18% of the mixture consists of ingredients of unknown acute inhalation toxicity.

## SECTION 3: Composition/information on ingredients

This material is a mixture.

| Ingredient | C.A.S. No. | % by Wt | Common Name |
|---|---|---|---|
| Water | 7732-18-5 | 40 - 80 | Water |
| EPOXY RESIN SOLIDS | Trade Secret | < 10 | Not Applicable |
| 1-METHOXY-2-PROPANOL | 107-98-2 | 1 - 5 Trade Secret * | 2-Propanol, 1-methoxy- |
| ALUMINUM TRIPHOSPHATE | 13939-25-8 | 1 - 5 Trade Secret * | No Data Available |
| Aromatic Amide Curative | Trade Secret | < 5 | Not Applicable |
| EPOXY AMINE CURATIVE | 13080-86-9 | 1 - 5 Trade Secret * | Benzenamine, 4,4'-[(1-methylethylidene)bis(4,1-phenyleneoxy)]bis - |
| Epoxy Resin | 28064-14-4 | 1 - 5 Trade Secret * | Phenol, polymer with formaldehyde, glycidyl ether |
| Bisphenol A-Epichlorohydrin-Formaldehyde Copolymer | 28906-96-9 | 0.5 - 1.5 Trade Secret * | Formaldehyde, polymer with (chloromethyl)oxirane and 4,4'-(1-methylethylidene)bis[phenol] |
| 3-(Methyldiethoxysilyl)Propyl Glycidyl Ether | 2897-60-1 | 0.1 - 1 Trade Secret * | Silane, diethoxymethyl[3-(oxiranylmethoxy)propyl]- |
| BISPHENOL A DIGLYCIDYL ETHER | 1675-54-3 | 0.1 - 1 Trade Secret * | Oxirane, 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis- |
| Zinc Phosphate | 7779-90-0 | < 1 | Phosphoric acid, zinc salt (2:3) |
| Zinc Oxide | 1314-13-2 | < 0.1 | Zinc oxide (ZnO) |

Alkyl phenol polyether is a non-hazardous material according to WHMIS criteria. Specific information has been withheld as a trade secret.
EPOXY RESIN SOLIDS is a non-hazardous material according to WHMIS criteria. Specific information has been withheld as a trade secret.
Aromatic Amide Curative 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 |
|---|---|
| Carbon monoxide | During Combustion |
| Carbon dioxide | During Combustion |

**5.4. Special protection actions for fire-fighters**
Wear full protective equipment (Bunker Gear) and a self-contained breathing apparatus (SCBA). 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**
For industrial or professional use only. Not for consumer sale or use. 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 heat. Store away from acids. Store away from strong bases. Store away from oxidizing agents. Store away from amines.

## 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 |
|---|---|---|---|---|
| 1-METHOXY-2-PROPANOL | 107-98-2 | ACGIH | TWA:50 ppm;STEL:100 ppm | |
| Zinc Oxide | 1314-13-2 | ACGIH | TWA(respirable fraction):2 mg/m3;STEL(respirable fraction):10 mg/m3 | |
| Aluminum metal and insoluble compounds, respirable fraction | 13939-25-8 | ACGIH | TWA(respirable fraction):1 mg/m3 | |

ACGIH : American Conference of Governmental Industrial Hygienists
AIHA : American Industrial Hygiene Association
CMRG : Chemical Manufacturer's Recommended Guidelines
TWA: Time-Weighted-Average
STEL: Short Term Exposure Limit
CEIL: Ceiling

**8.2. Exposure controls**

**8.2.1. Engineering controls**
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. 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**

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

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 |
| **Colour** | Green |
| **Odour** | Slight Solvent |
| **Odour threshold** | *No Data Available* |
| **pH** | *No Data Available* |
| **Melting point/Freezing point** | *No Data Available* |
| **Boiling point** | > 93.3 ºC |
| **Flash Point** | Flash point > 93 °C (200 °F) |
| **Evaporation rate** | *No Data Available* |
| **Flammability** | Not Applicable |
| **Flammable Limits(LEL)** | 1.5 % |
| **Flammable Limits(UEL)** | 12.7 % |
| **Vapour Pressure** | *No Data Available* |

| | |
|---|---|
| **Relative Vapour Density** | *No Data Available* |
| **Density** | 1 kg/l |
| **Relative density** | 1.01 - 1.25 [*Ref Std:*WATER=1] |
| **Water solubility** | *No Data Available* |
| **Solubility- non-water** | *No Data Available* |
| **Partition coefficient: n-octanol/ water** | *No Data Available* |
| **Autoignition temperature** | *Not Applicable* |
| **Decomposition temperature** | *No Data Available* |
| **Kinematic Viscosity** | Approximately mm2/sec [*Details:*ESTIMATED] |
| **Volatile Organic Compounds** | <= 34 g/l [*Test Method:*calculated SCAQMD rule 443.1] |
| **Percent volatile** | *No Data Available* |
| **VOC Less H2O & Exempt Solvents** | <= 216 g/l [*Test Method:*calculated SCAQMD rule 443.1] |

| | |
|---|---|
| **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

**10.5. Incompatible materials**
Amines
Strong acids
Strong bases
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:**
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:**
Contact with the eyes during product use is not expected to result in significant irritation.

**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 | Inhalation-Dust/Mist(4 hr) | | No data available; calculated ATE >12.5 mg/l |
| Overall product | Ingestion | | No data available; calculated ATE >5,000 mg/kg |
| Epoxy Resin | Dermal | Rabbit | LD50 > 6,000 mg/kg |
| Epoxy Resin | Inhalation-Dust/Mist (4 hours) | Rat | LC50 > 1.7 mg/l |
| Epoxy Resin | Ingestion | Rat | LD50 > 4,000 mg/kg |
| EPOXY AMINE CURATIVE | Dermal | Rabbit | LD50 > 8,000 mg/kg |
| EPOXY AMINE CURATIVE | Ingestion | Rat | LD50 308 mg/kg |
| 1-METHOXY-2-PROPANOL | Dermal | Rabbit | LD50 11,000-13,800 mg/kg |
| 1-METHOXY-2-PROPANOL | Inhalation-Vapor (4 hours) | Rat | LC50 56 mg/l |
| 1-METHOXY-2-PROPANOL | Ingestion | Rat | LD50 6,100 mg/kg |
| ALUMINUM TRIPHOSPHATE | Inhalation-Dust/Mist (4 hours) | Rat | LC50 > 3.46 mg/l |
| ALUMINUM TRIPHOSPHATE | Ingestion | Rat | LD50 > 2,000 mg/kg |
| ALUMINUM TRIPHOSPHATE | Dermal | similar health hazards | LD50 estimated to be > 5,000 mg/kg |
| Bisphenol A-Epichlorohydrin-Formaldehyde Copolymer | Dermal | Rat | LD50 > 2,000 mg/kg |
| Bisphenol A-Epichlorohydrin-Formaldehyde Copolymer | Ingestion | Rat | LD50 > 2,000 mg/kg |
| Aromatic Amide Curative | Dermal | Rat | LD50 > 2,000 mg/kg |
| Aromatic Amide Curative | Ingestion | Rat | LD50 > 2,000 mg/kg |
| Zinc Phosphate | Dermal | | LD50 estimated to be > 5,000 mg/kg |
| Zinc Phosphate | Ingestion | Rat | LD50 > 5,000 mg/kg |
| BISPHENOL A DIGLYCIDYL ETHER | Dermal | Rat | LD50 > 1,600 mg/kg |
| BISPHENOL A DIGLYCIDYL ETHER | Ingestion | Rat | LD50 > 1,000 mg/kg |
| 3-(Methyldiethoxysilyl)Propyl Glycidyl Ether | Dermal | Rabbit | LD50 > 2,000 mg/kg |
| 3-(Methyldiethoxysilyl)Propyl Glycidyl Ether | Ingestion | Rat | LD50 > 2,000 mg/kg |
| Zinc Oxide | Dermal | | LD50 estimated to be > 5,000 mg/kg |
| Zinc Oxide | Inhalation-Dust/Mist (4 hours) | Rat | LC50 > 5.7 mg/l |
| Zinc Oxide | Ingestion | Rat | LD50 > 5,000 mg/kg |

ATE = acute toxicity estimate

**Skin Corrosion/Irritation**

| Name | Species | Value |
|---|---|---|
| Epoxy Resin | Rabbit | Minimal irritation |
| EPOXY AMINE CURATIVE | Rabbit | No significant irritation |
| 1-METHOXY-2-PROPANOL | Not available | Minimal irritation |
| ALUMINUM TRIPHOSPHATE | In vitro data | No significant irritation |
| Bisphenol A-Epichlorohydrin-Formaldehyde Copolymer | Professional judgement | Irritant |
| Aromatic Amide Curative | Rabbit | No significant irritation |
| BISPHENOL A DIGLYCIDYL ETHER | Rabbit | Mild irritant |
| 3-(Methyldiethoxysilyl)Propyl Glycidyl Ether | Rabbit | Minimal irritation |
| Zinc Oxide | Human and animal | No significant irritation |

**Serious Eye Damage/Irritation**

| Name | Species | Value |
|---|---|---|
| Epoxy Resin | Rabbit | Mild irritant |
| EPOXY AMINE CURATIVE | Rabbit | No significant irritation |
| 1-METHOXY-2-PROPANOL | Not available | Mild irritant |
| ALUMINUM TRIPHOSPHATE | Rabbit | Severe irritant |
| Bisphenol A-Epichlorohydrin-Formaldehyde Copolymer | Professional judgement | Severe irritant |
| Aromatic Amide Curative | Rabbit | No significant irritation |
| BISPHENOL A DIGLYCIDYL ETHER | Rabbit | Moderate irritant |
| 3-(Methyldiethoxysilyl)Propyl Glycidyl Ether | Rabbit | Mild irritant |
| Zinc Oxide | Rabbit | Mild irritant |

**Skin Sensitization**

| Name | Species | Value |
|---|---|---|
| Epoxy Resin | Human and animal | Sensitizing |
| EPOXY AMINE CURATIVE | In vitro data | Sensitizing |
| 1-METHOXY-2-PROPANOL | Guinea pig | Not classified |
| Bisphenol A-Epichlorohydrin-Formaldehyde Copolymer | Professional judgement | Sensitizing |
| BISPHENOL A DIGLYCIDYL ETHER | Human and animal | Sensitizing |
| 3-(Methyldiethoxysilyl)Propyl Glycidyl Ether | Guinea pig | Sensitizing |
| Zinc Oxide | Guinea pig | Not classified |

**Respiratory Sensitization**

| Name | Species | Value |
|---|---|---|
| BISPHENOL A DIGLYCIDYL ETHER | Human | Not classified |

**Germ Cell Mutagenicity**

| Name | Route | Value |
|---|---|---|

| | | |
|---|---|---|
| Epoxy Resin | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| EPOXY AMINE CURATIVE | In Vitro | Not mutagenic |
| 1-METHOXY-2-PROPANOL | In Vitro | Not mutagenic |
| ALUMINUM TRIPHOSPHATE | In vivo | Not mutagenic |
| ALUMINUM TRIPHOSPHATE | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| BISPHENOL A DIGLYCIDYL ETHER | In vivo | Not mutagenic |
| BISPHENOL A DIGLYCIDYL ETHER | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| 3-(Methyldiethoxysilyl)Propyl Glycidyl Ether | In vivo | Not mutagenic |
| 3-(Methyldiethoxysilyl)Propyl Glycidyl Ether | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| Zinc Oxide | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| Zinc Oxide | In vivo | Some positive data exist, but the data are not sufficient for classification |

**Carcinogenicity**

| Name | Route | Species | Value |
|---|---|---|---|
| 1-METHOXY-2-PROPANOL | Inhalation | Multiple animal species | Some positive data exist, but the data are not sufficient for classification |
| BISPHENOL A DIGLYCIDYL ETHER | 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 |
|---|---|---|---|---|---|
| 1-METHOXY-2-PROPANOL | Inhalation | Not classified for male reproduction | Rat | NOAEL 11 mg/l | 2 generation |
| 1-METHOXY-2-PROPANOL | Ingestion | Not classified for female reproduction | Mouse | NOAEL 3,328 mg/kg/day | 2 generation |
| 1-METHOXY-2-PROPANOL | Inhalation | Not classified for female reproduction | Rat | NOAEL 3.7 mg/l | 2 generation |
| 1-METHOXY-2-PROPANOL | Ingestion | Not classified for male reproduction | Mouse | NOAEL 3,328 mg/kg | 2 generation |
| 1-METHOXY-2-PROPANOL | Ingestion | Not classified for development | Rat | NOAEL 370 mg/kg | during gestation |
| 1-METHOXY-2-PROPANOL | Inhalation | Not classified for development | Rat | NOAEL 3.7 mg/l | 2 generation |
| ALUMINUM TRIPHOSPHATE | Ingestion | Not classified for female reproduction | Rat | NOAEL 1,000 mg/kg/day | premating into lactation |
| ALUMINUM TRIPHOSPHATE | Ingestion | Not classified for male reproduction | Rat | NOAEL 1,000 mg/kg/day | 46 days |
| ALUMINUM TRIPHOSPHATE | Ingestion | Not classified for development | Rat | NOAEL 1,000 mg/kg/day | premating into lactation |
| BISPHENOL A DIGLYCIDYL ETHER | Ingestion | Not classified for female reproduction | Rat | NOAEL 750 mg/kg/day | 2 generation |
| BISPHENOL A DIGLYCIDYL ETHER | Ingestion | Not classified for male reproduction | Rat | NOAEL 750 mg/kg/day | 2 generation |
| BISPHENOL A DIGLYCIDYL ETHER | Dermal | Not classified for development | Rabbit | NOAEL 300 mg/kg/day | during organogenesis |
| BISPHENOL A DIGLYCIDYL ETHER | Ingestion | Not classified for development | Rat | NOAEL 750 mg/kg/day | 2 generation |
| Zinc Oxide | Ingestion | Not classified for reproduction and/or development | Multiple animal species | NOAEL 125 mg/kg/day | premating & during gestation |

**Target Organ(s)**

**Specific Target Organ Toxicity - single exposure**

| Name | Route | Target Organ(s) | Value | Species | Test result | Exposure Duration |
|---|---|---|---|---|---|---|
| 1-METHOXY-2-PROPANOL | Dermal | central nervous system depression | Not classified | Rabbit | NOAEL 1,800 mg/kg | 13 weeks |
| 1-METHOXY-2-PROPANOL | Inhalation | central nervous system depression | May cause drowsiness or dizziness | Human | NOAEL Not available | |
| ALUMINUM TRIPHOSPHATE | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | similar health hazards | NOAEL Not available | |
| Bisphenol A-Epichlorohydrin-Formaldehyde Copolymer | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | Professional judgement | NOAEL not available | |
| BISPHENOL A DIGLYCIDYL ETHER | 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 |
|---|---|---|---|---|---|---|
| 1-METHOXY-2-PROPANOL | Dermal | kidney and/or bladder | Not classified | Rabbit | NOAEL 1,800 mg/kg/day | 13 weeks |
| 1-METHOXY-2-PROPANOL | Dermal | hematopoietic system | Not classified | Rabbit | NOAEL 1,000 mg/kg/day | 3 weeks |
| 1-METHOXY-2-PROPANOL | Inhalation | kidney and/or bladder | Not classified | Rat | NOAEL 3.7 mg/l | 13 weeks |
| 1-METHOXY-2-PROPANOL | Inhalation | liver | Not classified | Rat | NOAEL 11 mg/l | 13 weeks |
| 1-METHOXY-2-PROPANOL | Inhalation | hematopoietic system | Not classified | Rat | NOAEL 2.2 mg/l | 10 days |
| 1-METHOXY-2-PROPANOL | Ingestion | liver | Some positive data exist, but the data are not sufficient for classification | Rat | NOAEL 920 mg/kg/day | 13 weeks |
| 1-METHOXY-2-PROPANOL | Ingestion | kidney and/or bladder | Not classified | Rat | NOAEL 920 mg/kg/day | 13 weeks |
| ALUMINUM TRIPHOSPHATE | Ingestion | heart | Not classified | Rat | NOAEL 1,000 mg/kg/day | 46 days |
| ALUMINUM TRIPHOSPHATE | Ingestion | skin | Not classified | Rat | NOAEL 1,000 mg/kg/day | 46 days |
| ALUMINUM TRIPHOSPHATE | Ingestion | endocrine system | Not classified | Rat | NOAEL 1,000 mg/kg/day | 46 days |
| ALUMINUM TRIPHOSPHATE | Ingestion | bone, teeth, nails, and/or hair | Not classified | Rat | NOAEL 1,000 mg/kg/day | 46 days |
| ALUMINUM TRIPHOSPHATE | Ingestion | hematopoietic system | Not classified | Rat | NOAEL 1,000 mg/kg/day | 46 days |
| ALUMINUM TRIPHOSPHATE | Ingestion | liver | Not classified | Rat | NOAEL 1,000 mg/kg/day | 46 days |
| ALUMINUM TRIPHOSPHATE | Ingestion | immune system | Not classified | Rat | NOAEL 1,000 mg/kg/day | 46 days |
| ALUMINUM TRIPHOSPHATE | Ingestion | muscles | Not classified | Rat | NOAEL 1,000 mg/kg/day | 46 days |
| ALUMINUM TRIPHOSPHATE | Ingestion | nervous system | Not classified | Rat | NOAEL 1,000 mg/kg/day | 46 days |
| ALUMINUM TRIPHOSPHATE | Ingestion | eyes | Not classified | Rat | NOAEL 1,000 | 46 days |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | | | mg/kg/day | |
| ALUMINUM TRIPHOSPHATE | Ingestion | kidney and/or bladder | Not classified | Rat | NOAEL 1,000 mg/kg/day | 46 days |
| ALUMINUM TRIPHOSPHATE | Ingestion | respiratory system | Not classified | Rat | NOAEL 1,000 mg/kg/day | 46 days |
| ALUMINUM TRIPHOSPHATE | Ingestion | vascular system | Not classified | Rat | NOAEL 1,000 mg/kg/day | 46 days |
| BISPHENOL A DIGLYCIDYL ETHER | Dermal | liver | Not classified | Rat | NOAEL 1,000 mg/kg/day | 2 years |
| BISPHENOL A DIGLYCIDYL ETHER | Dermal | nervous system | Not classified | Rat | NOAEL 1,000 mg/kg/day | 13 weeks |
| BISPHENOL A DIGLYCIDYL ETHER | Ingestion | auditory system | Not classified | Rat | NOAEL 1,000 mg/kg/day | 28 days |
| BISPHENOL A DIGLYCIDYL ETHER | Ingestion | heart | Not classified | Rat | NOAEL 1,000 mg/kg/day | 28 days |
| BISPHENOL A DIGLYCIDYL ETHER | Ingestion | endocrine system | Not classified | Rat | NOAEL 1,000 mg/kg/day | 28 days |
| BISPHENOL A DIGLYCIDYL ETHER | Ingestion | hematopoietic system | Not classified | Rat | NOAEL 1,000 mg/kg/day | 28 days |
| BISPHENOL A DIGLYCIDYL ETHER | Ingestion | liver | Not classified | Rat | NOAEL 1,000 mg/kg/day | 28 days |
| BISPHENOL A DIGLYCIDYL ETHER | Ingestion | eyes | Not classified | Rat | NOAEL 1,000 mg/kg/day | 28 days |
| BISPHENOL A DIGLYCIDYL ETHER | Ingestion | kidney and/or bladder | Not classified | Rat | NOAEL 1,000 mg/kg/day | 28 days |
| Zinc Oxide | Ingestion | nervous system | Not classified | Rat | NOAEL 600 mg/kg/day | 10 days |
| Zinc Oxide | Ingestion | endocrine system | Not classified | Other | NOAEL 500 mg/kg/day | 6 months |
| Zinc Oxide | Ingestion | hematopoietic system | Not classified | Other | NOAEL 500 mg/kg/day | 6 months |
| Zinc Oxide | Ingestion | kidney and/or bladder | Not classified | Other | NOAEL 500 mg/kg/day | 6 months |

**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 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.

## 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.

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