# Safety Data Sheet

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## SECTION 1: Identification

**1.1. Product identifier**
3M(TM) Scotch-Weld(TM) Threadlocker TL71, Red

**Product Identification Numbers**

| ID Number | UPC | ID Number | UPC |
|---|---|---|---|
| 62-3496-0160-9 | | 62-3496-1060-0 | |
| 62-3496-1065-9 | | 62-3496-3960-9 | |
| 62-3496-5060-6 | | | |

7010330204, 7100039197, 7100039198, 7100039230, 7100039231

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

**Recommended use**
Adhesive

**1.3. Supplier's details**

| | |
|---|---|
| **MANUFACTURER:** | 3M |
| **DIVISION:** | Industrial Adhesives and Tapes 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**
Skin Corrosion/Irritation: Category 2.
Serious Eye Damage/Irritation: Category 2A.
Skin Sensitizer: Category 1.
Specific Target Organ Toxicity (repeated exposure): Category 1.

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

Danger

**Symbols**
Exclamation mark |Health Hazard |

**Pictograms**



**Hazard Statements**

Causes skin irritation.
Causes serious eye irritation.
May cause an allergic skin reaction.

Causes damage to organs through prolonged or repeated exposure: respiratory system.

**Precautionary statements**

**Prevention:**
Do not breathe vapors.
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 and eye protection.

**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.
Get medical attention if you feel unwell.
If eye irritation persists or 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.

8% of the mixture consists of ingredients of unknown acute inhalation toxicity.

## SECTION 3: Composition/information on ingredients

| Ingredient | C.A.S. No. | % by Wt |
|---|---|---|
| Triethylene Glycol Dimethacrylate | 109-16-0 | 45 - 70 Trade Secret * |
| Polyester Resin (NJTS Reg. No. 04499600-7087) | Trade Secret* | 10 - 30 |
| Hydroxypropyl Methacrylate | 27813-02-1 | 3 - 7 Trade Secret * |
| Acrylic Acid | 79-10-7 | 0.5 - 1.5 Trade Secret * |
| Cumene Hydroperoxide | 80-15-9 | 0.5 - 1.5 Trade Secret * |
| Saccharin | 81-07-2 | 0.1 - 1 Trade Secret * |
| 1-Acetyl-2-Phenylhydrazine | 114-83-0 | 0.1 - 1 Trade Secret * |

NJTS or NJTSRN: New Jersey Trade Secret Registry Number.

*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 wash with soap and water. Remove contaminated clothing and wash before reuse. If signs/symptoms develop, get medical attention.

**Eye Contact:**
Immediately flush with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. 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). Target organ effects following prolonged or repeated exposure. See Section 11 for additional details.

**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 |
|---|---|
| Carbon monoxide | During Combustion |
| Carbon dioxide | During Combustion |
| Oxides of Nitrogen | During Combustion |
| Oxides of Sulfur | During Combustion |

**5.3. Special protective 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 vapors, 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**
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. 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**
Protect from sunlight. Store away from heat. 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 |
|---|---|---|---|---|
| Acrylic Acid | 79-10-7 | ACGIH | TWA:2 ppm | A4: Not class. as human carcin, Danger of cutaneous absorption |
| Cumene Hydroperoxide | 80-15-9 | AIHA | TWA:6 mg/m3(1 ppm) | SKIN |

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**
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:
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**

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
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:** | Thixotropic Liquid |
| **Color** | Red |
| **Odor** | Mild Solvent |
| **Odor threshold** | *No Data Available* |
| **pH** | *Not Applicable* |
| **Melting point** | *Not Applicable* |
| **Boiling Point** | >=300 ºF [@ 760 mmHg] |
| **Flash Point** | >=212 ºF [*Test Method:*Tagliabue Closed Cup] |
| **Evaporation rate** | Negligible |
| **Flammability** | Not Applicable |
| **Flammable Limits(LEL)** | *No Data Available* |
| **Flammable Limits(UEL)** | *No Data Available* |
| **Vapor Pressure** | <=5 mmHg |
| **Relative Vapor Density** | 1.01 [*Ref Std:*AIR=1] |
| **Density** | 1.1 - 1.13 g/ml [@ 20 ºC] |
| **Relative Density** | 1.1 - 1.13 [@ 20 ºC ] [*Ref Std:*WATER=1] |
| **Solubility in Water** | 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** | 455 mm2/sec |
| **Hazardous Air Pollutants** | < 2 % weight [*Test Method:*Calculated] |
| **Molecular weight** | *No Data Available* |
| **VOC Less H2O & Exempt Solvents** | < 5 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
Light

**10.5. Incompatible materials**
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. May cause additional health effects (see below).

**Skin Contact:**
Skin Irritation: Signs/symptoms may include localized redness, swelling, itching, dryness, cracking, blistering, and pain.
Allergic Skin Reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.

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

**Eye Contact:**
Severe Eye Irritation: Signs/symptoms may include significant redness, swelling, pain, tearing, cloudy appearance of the cornea, and impaired vision.

**Ingestion:**
Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea. May cause additional health effects (see below).

**Additional Health Effects:**

**Prolonged or repeated exposure may cause target organ effects:**
Respiratory Effects: Signs/symptoms may include cough, shortness of breath, chest tightness, wheezing, increased heart rate, bluish colored skin (cyanosis), sputum production, changes in lung function tests, and/or respiratory failure.

**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 >5,000 mg/kg |
| Overall product | Inhalation-Vapor(4 hr) | | No data available; calculated ATE >50 mg/l |
| Overall product | Ingestion | | No data available; calculated ATE >5,000 mg/kg |
| Triethylene Glycol Dimethacrylate | Dermal | Mouse | LD50 > 2,000 |
| Triethylene Glycol Dimethacrylate | Ingestion | Rat | LD50 10,837 mg/kg |
| Hydroxypropyl Methacrylate | Dermal | Rabbit | LD50 > 5,000 mg/kg |
| Hydroxypropyl Methacrylate | Ingestion | Rat | LD50 > 2,000 mg/kg |
| Acrylic Acid | Dermal | Rabbit | LD50 640 mg/kg |
| Acrylic Acid | Inhalation-Dust/Mist (4 hours) | Rat | LC50 3.8 mg/l |
| Acrylic Acid | Ingestion | Rat | LD50 1,250 mg/kg |
| Cumene Hydroperoxide | Dermal | Rat | LD50 500 mg/kg |
| Cumene Hydroperoxide | Inhalation-Vapor (4 hours) | Rat | LC50 1.4 mg/l |
| Cumene Hydroperoxide | Ingestion | Rat | LD50 382 mg/kg |
| Saccharin | Ingestion | Mouse | LD50 17,000 mg/kg |
| Saccharin | Dermal | similar health hazards | LD50 estimated to be > 5,000 mg/kg |
| 1-Acetyl-2-Phenylhydrazine | Dermal | | LD50 estimated to be 200 - 1,000 mg/kg |
| 1-Acetyl-2-Phenylhydrazine | Ingestion | Mouse | LD50 270 mg/kg |

ATE = acute toxicity estimate

**Skin Corrosion/Irritation**

| Name | Species | Value |
|---|---|---|
| Triethylene Glycol Dimethacrylate | Rabbit | No significant irritation |
| Hydroxypropyl Methacrylate | Rabbit | Minimal irritation |
| Acrylic Acid | Rabbit | Corrosive |
| Cumene Hydroperoxide | official classification | Corrosive |
| Saccharin | similar compoun | No significant irritation |

| | | |
|---|---|---|
| | ds | |

**Serious Eye Damage/Irritation**

| Name | Species | Value |
|---|---|---|
| Triethylene Glycol Dimethacrylate | Rabbit | No significant irritation |
| Hydroxypropyl Methacrylate | Rabbit | Moderate irritant |
| Acrylic Acid | Rabbit | Corrosive |
| Cumene Hydroperoxide | official classification | Corrosive |
| Saccharin | similar compounds | No significant irritation |

**Skin Sensitization**

| Name | Species | Value |
|---|---|---|
| Triethylene Glycol Dimethacrylate | Mouse | Sensitizing |
| Hydroxypropyl Methacrylate | Human and animal | Sensitizing |
| Acrylic Acid | Guinea pig | Not classified |
| Saccharin | Mouse | Not classified |
| 1-Acetyl-2-Phenylhydrazine | Professional judgement | 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 |
|---|---|---|
| Triethylene Glycol Dimethacrylate | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| Hydroxypropyl Methacrylate | In vivo | Not mutagenic |
| Hydroxypropyl Methacrylate | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| Acrylic Acid | In vivo | Not mutagenic |
| Acrylic Acid | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| Cumene Hydroperoxide | In vivo | Not mutagenic |
| Cumene Hydroperoxide | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| Saccharin | In Vitro | Not mutagenic |
| Saccharin | In vivo | Some positive data exist, but the data are not sufficient for classification |
| 1-Acetyl-2-Phenylhydrazine | In Vitro | Some positive data exist, but the data are not sufficient for classification |

**Carcinogenicity**

| Name | Route | Species | Value |
|---|---|---|---|
| Triethylene Glycol Dimethacrylate | Dermal | Mouse | Not carcinogenic |
| Acrylic Acid | Ingestion | Rat | Not carcinogenic |
| Acrylic Acid | Dermal | Mouse | Some positive data exist, but the data are not sufficient for classification |
| Saccharin | Ingestion | Mouse | Not carcinogenic |

**Reproductive Toxicity**

### Reproductive and/or Developmental Effects

| Name | Route | Value | Species | Test Result | Exposure Duration |
|---|---|---|---|---|---|
| Triethylene Glycol Dimethacrylate | Ingestion | Not classified for female reproduction | Rat | NOAEL 1,000 mg/kg/day | premating into lactation |
| Triethylene Glycol Dimethacrylate | Ingestion | Not classified for male reproduction | Rat | NOAEL 1,000 mg/kg/day | 5 weeks |
| Triethylene Glycol Dimethacrylate | Ingestion | Not classified for development | Rat | NOAEL 1,000 mg/kg/day | premating into lactation |
| Hydroxypropyl Methacrylate | Ingestion | Not classified for female reproduction | Rat | NOAEL 1,000 mg/kg/day | premating into lactation |
| Hydroxypropyl Methacrylate | Ingestion | Not classified for male reproduction | Rat | NOAEL 1,000 mg/kg/day | 49 days |
| Hydroxypropyl Methacrylate | Ingestion | Not classified for development | Rat | NOAEL 1,000 mg/kg/day | during gestation |
| Acrylic Acid | Ingestion | Not classified for female reproduction | Rat | NOAEL 460 mg/kg/day | 2 generation |
| Acrylic Acid | Ingestion | Not classified for male reproduction | Rat | NOAEL 460 mg/kg/day | 2 generation |
| Acrylic Acid | Inhalation | Not classified for development | Rat | NOAEL 1.1 mg/l | during organogenesis |
| Acrylic Acid | Ingestion | Not classified for development | Rat | NOAEL 53 mg/kg/day | 2 generation |
| Cumene Hydroperoxide | Ingestion | Not classified for development | Rat | NOAEL 100 mg/kg/day | during gestation |
| Saccharin | Ingestion | Not classified for female reproduction | Mouse | NOAEL 714 mg/kg/day | 6 generation |
| Saccharin | Ingestion | Not classified for male reproduction | Mouse | NOAEL 714 mg/kg/day | 6 generation |
| Saccharin | Ingestion | Not classified for development | Mouse | NOAEL 2,000 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 |
|---|---|---|---|---|---|---|
| Hydroxypropyl Methacrylate | Inhalation | respiratory irritation | May cause respiratory irritation | similar compounds | NOAEL Not available | |
| Acrylic Acid | Inhalation | respiratory irritation | May cause respiratory irritation | Human | NOAEL Not available | |
| Cumene Hydroperoxide | Inhalation | central nervous system depression | May cause drowsiness or dizziness | Human | NOAEL Not available | occupational exposure |
| Cumene Hydroperoxide | Inhalation | respiratory irritation | May cause respiratory irritation | Human | NOAEL Not available | occupational exposure |
| Cumene Hydroperoxide | Ingestion | central nervous system depression | May cause drowsiness or dizziness | Professional judgement | NOAEL Not available | |

### Specific Target Organ Toxicity - repeated exposure

| Name | Route | Target Organ(s) | Value | Species | Test Result | Exposure Duration |
|---|---|---|---|---|---|---|
| Triethylene Glycol Dimethacrylate | Dermal | liver | Not classified | Mouse | NOAEL 2,000 mg/kg/day | 13 weeks |
| Triethylene Glycol Dimethacrylate | Dermal | skin | Not classified | Mouse | NOAEL 100 mg/kg/day | 13 weeks |
| Triethylene Glycol Dimethacrylate | Dermal | gastrointestinal tract | Not classified | Mouse | NOAEL 2,000 mg/kg/day | 13 weeks |
| Triethylene Glycol Dimethacrylate | Dermal | hematopoietic system | Not classified | Mouse | NOAEL 2,000 | 13 weeks |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | | | mg/kg/day | |
| Triethylene Glycol Dimethacrylate | Dermal | nervous system | Not classified | Mouse | NOAEL 2,000 mg/kg/day | 13 weeks |
| Triethylene Glycol Dimethacrylate | Dermal | kidney and/or bladder | Not classified | Mouse | NOAEL 2,000 mg/kg/day | 13 weeks |
| Triethylene Glycol Dimethacrylate | Dermal | respiratory system | Not classified | Mouse | NOAEL 2,000 mg/kg/day | 13 weeks |
| Triethylene Glycol Dimethacrylate | Ingestion | hematopoietic system | Not classified | Rat | NOAEL 3,849 mg/kg/day | 13 weeks |
| Triethylene Glycol Dimethacrylate | Ingestion | liver | Not classified | Rat | NOAEL 3,849 mg/kg/day | 13 weeks |
| Triethylene Glycol Dimethacrylate | Ingestion | nervous system | Not classified | Rat | NOAEL 3,849 mg/kg/day | 13 weeks |
| Triethylene Glycol Dimethacrylate | Ingestion | kidney and/or bladder | Not classified | Rat | NOAEL 3,849 mg/kg/day | 13 weeks |
| Triethylene Glycol Dimethacrylate | Ingestion | eyes | Not classified | Rat | NOAEL 3,849 mg/kg/day | 13 weeks |
| Hydroxypropyl Methacrylate | Inhalation | blood | Not classified | Rat | NOAEL 0.5 mg/l | 21 days |
| Hydroxypropyl Methacrylate | Ingestion | hematopoietic system | Not classified | Rat | NOAEL 1,000 mg/kg/day | 41 days |
| Hydroxypropyl Methacrylate | Ingestion | heart | Not classified | Rat | NOAEL 1,000 mg/kg/day | 41 days |
| Hydroxypropyl Methacrylate | Ingestion | endocrine system | Not classified | Rat | NOAEL 1,000 mg/kg/day | 41 days |
| Hydroxypropyl Methacrylate | Ingestion | liver | Not classified | Rat | NOAEL 1,000 mg/kg/day | 41 days |
| Hydroxypropyl Methacrylate | Ingestion | immune system | Not classified | Rat | NOAEL 1,000 mg/kg/day | 41 days |
| Hydroxypropyl Methacrylate | Ingestion | nervous system | Not classified | Rat | NOAEL 1,000 mg/kg/day | 41 days |
| Hydroxypropyl Methacrylate | Ingestion | kidney and/or bladder | Not classified | Rat | NOAEL 1,000 mg/kg/day | 41 days |
| Cumene Hydroperoxide | Inhalation | respiratory system | Causes damage to organs through prolonged or repeated exposure | Rat | NOAEL 0.031 mg/l | 3 months |
| Cumene Hydroperoxide | Inhalation | gastrointestinal tract | Not classified | Rat | NOAEL 0.031 mg/l | 3 months |
| Cumene Hydroperoxide | Inhalation | hematopoietic system | Not classified | Rat | NOAEL 0.031 mg/l | 3 months |
| Cumene Hydroperoxide | Inhalation | liver | Not classified | Rat | NOAEL 0.031 mg/l | 3 months |
| Cumene Hydroperoxide | Inhalation | immune system | Not classified | Rat | NOAEL 0.031 mg/l | 3 months |
| Cumene Hydroperoxide | Inhalation | nervous system | Not classified | Rat | NOAEL 0.031 mg/l | 3 months |
| Cumene Hydroperoxide | Inhalation | eyes | Not classified | Rat | NOAEL 0.031 mg/l | 3 months |
| Cumene Hydroperoxide | Inhalation | endocrine system | Not classified | Rat | NOAEL 0.031 mg/l | 3 months |
| Cumene Hydroperoxide | Inhalation | kidney and/or bladder | Not classified | Rat | NOAEL 0.031 mg/l | 3 months |
| Saccharin | Ingestion | hematopoietic | Not classified | Mouse | NOAEL | 1 years |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | system | | | 1,500 mg/kg/day | |
| Saccharin | Ingestion | kidney and/or bladder | Not classified | Rat | NOAEL 7,500 mg/kg/day | 1 months |
| 1-Acetyl-2-Phenylhydrazine | Ingestion | hematopoietic system | Causes damage to organs through prolonged or repeated exposure | Dog | LOAEL 4 mg/kg/day | 7 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

### 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 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. 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.

**EPCRA 311/312 Hazard Classifications:**

| **Physical Hazards** |
|---|
| Not Applicable. |

| **Health Hazards** |
|---|
| Respiratory or Skin Sensitization |

| |
|---|
| Serious eye damage or eye irritation |
| Skin Corrosion or Irritation |
| Specific target organ toxicity (single or repeated exposure) |

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

| Ingredient | C.A.S. No | % by Wt |
|---|---|---|
| Acrylic Acid | 79-10-7 | Trade Secret 0.5 - 1.5 |
| Cumene Hydroperoxide | 80-15-9 | Trade Secret 0.5 - 1.5 |
| Saccharin | 81-07-2 | Trade Secret 0.1 - 1 |

## 15.2. State Regulations
Contact 3M for more information.

## 15.3. Chemical Inventories
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.

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:** 2 **Flammability:** 1 **Instability:** 1 **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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