



Safety Data Sheet

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| Document group: | 26-5475-4 | Version number: | 9.00 |
| Issue Date: | 2024/08/27 | Supersedes Date: | 2023/03/17 |

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

SECTION 1: Identification

1.1. Product identifier

3M™ Fire Barrier Sealant FD 150+, Blue

Product Identification Numbers

| | | | | |
|----------------|----------------|----------------|----------------|----------------|
| 98-0400-5315-3 | 98-0400-5316-1 | 98-0400-5343-5 | 98-0400-5375-7 | 98-0400-5550-5 |
| 98-0400-5609-9 | 98-0400-5624-8 | 98-0400-5638-8 | 98-0400-5639-6 | 98-0400-5640-4 |
| 98-0441-1118-9 | 98-0441-1119-7 | 98-0441-1120-5 | 98-0441-1121-3 | XE-1014-9427-8 |
| XE-1014-9428-6 | | | | |

1.2. Recommended use and restrictions on use

Intended Use

Fire Protection

Specific Use

Caulk used as a passive fire protection.

Restrictions on use

Not applicable

1.3. Supplier's details

| | |
|-------------------|--|
| Company: | 3M Canada Company |
| Division: | Industrial Specialties 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

The following product identification number(s) are sold in the consumer market place:
XE101494278

2.1. Classification of the substance or mixture

Skin Sensitizer: Category 1A.
 Reproductive Toxicity: Category 2.
 Carcinogenicity: Category 1A.

2.2. Label elements

Signal word

Danger

Symbols

Exclamation mark | Health Hazard |

Pictograms



Hazard statements

May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. May cause cancer.

Precautionary statements

General:

Keep out of reach of children.

Prevention:

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing dust/fume/gas/mist/vapours/spray. Wear protective gloves. Contaminated work clothing must not be allowed out of the workplace.

Response:

IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. IF exposed or concerned: Get medical advice/attention.

Storage:

Store locked up.

Disposal:

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

2.3. Other hazards

The health hazards of this material are not completely known. See the SDS.

45% of the mixture consists of ingredients of unknown acute oral toxicity.

SECTION 3: Composition/information on ingredients

This material is a mixture.

| Ingredient | C.A.S. No. | % by Wt | Common Name |
|-------------------------|--------------|---------|--|
| Calcium Carbonate | 1317-65-3 | 40 - 60 | Limestonests primarily of calcium carbonate. |
| Polymer | Trade Secret | 20 - 30 | Not Applicable |
| Styrene Acrylic Polymer | Trade Secret | 10 - 20 | Not Applicable |

| | | | |
|---|------------|------------------------|---|
| Water | 7732-18-5 | 1 - 10 | Water |
| Dibenzoate Propanol | 27138-31-4 | < 5 | Propanol, oxybis-, dibenzoate |
| Ethyl Hydroxyethyl Cellulose | 9004-58-4 | 0.5 - 1.5 | Cellulose, ethyl 2-hydroxyethyl ether |
| Titanium Dioxide | 13463-67-7 | 0.5 - 1.5 | No Data Available |
| 2-Aminoisobutanol | 124-68-5 | 0.1 - 1 Trade Secret * | 1-Propanol, 2-amino-2-methyl- |
| Propylene Glycol | 57-55-6 | 0.5 - 1 | 1,2-Propanediol |
| C.I. Pigment Blue | 7440-50-8 | < 0.5 | Copper |
| Quartz Silica | 14808-60-7 | 0 - 0.15 | Quartz (SiO ₂) |
| 2-OCTYL-3(2H)-ISOTHIAZOLONE | 26530-20-1 | 0 - 0.06 | No Data Available |
| 5-chloro-2-methyl-4-isothiazoline-3-one | 26172-55-4 | 0 - 0.002 | 3(2H)-Isothiazolone, 5-chloro-2-methyl- |

Polymer is a non-hazardous Trade Secret material according to WHMIS criteria.

Styrene Acrylic Polymer is a non-hazardous Trade Secret material according to WHMIS criteria.

*The actual concentration of this ingredient 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
Carbon dioxide

During Combustion
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. Observe precautions from other sections. Refer to other sections of this SDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Collect as much of the spilled material as possible. Place in a closed container approved for transportation by appropriate authorities. Clean up residue. 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

Keep out of reach of children. Do not handle until all safety precautions have been read and understood. 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.) Use personal protective equipment (gloves, respirators, etc.) as required.

7.2. Conditions for safe storage including any incompatibilities

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 |
|---|------------|--------|---|---------------------|
| Particles (insoluble or poorly soluble) not otherwise specified, inhalable particles | 1317-65-3 | ACGIH | TWA(inhalable particulates):10 mg/m3 | |
| Particles (insoluble or poorly soluble) not otherwise specified, respirable particles | 1317-65-3 | ACGIH | TWA(respirable particles):3 mg/m3 | |
| Titanium Dioxide | 13463-67-7 | ACGIH | TWA(Respirable nanoscale particles):0.2 mg/m3;TWA(Respirable finescale particles):2.5 mg/m3 | |
| Quartz Silica | 14808-60-7 | ACGIH | TWA(respirable | |

| | | | | |
|--------------------------------|-----------|-------|---------------------------------|--|
| | | | fraction):0.025 mg/m3 | |
| Propylene Glycol | 57-55-6 | AIHA | TWA(as aerosol):10 mg/m3 | |
| COPPER, DUSTS AND MISTS, AS CU | 7440-50-8 | ACGIH | TWA(as Cu dust or mist):1 mg/m3 | |
| COPPER, FUME AS CU | 7440-50-8 | ACGIH | TWA(as Cu, fume):0.2 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:

Safety Glasses with side shields

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.

Gloves made from the following material(s) are recommended: Chemical Protective glove of any material type

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

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 | Solid |
| Specific Physical Form: | Paste |
| Colour | Blue |
| Odour | Low Acrylic |
| Odour threshold | No Data Available |

| | |
|--|---|
| pH | 8 - 9 |
| Melting point/Freezing point | <i>No Data Available</i> |
| Boiling point | <i>Not Applicable</i> |
| Flash Point | No flash point |
| Evaporation rate | 1 [Ref Std:BUOAC=1] |
| Flammability | Not Applicable |
| Flammable Limits(LEL) | <i>Not Applicable</i> |
| Flammable Limits(UEL) | <i>Not Applicable</i> |
| Vapour Pressure | 24 Pa |
| Vapour Density and/or Relative Vapour Density | [Details:Lighter than air] <i>No Data Available</i> |
| Density | 1.52 g/ml |
| Relative density | 1.52 [Ref Std:WATER=1] |
| Water solubility | Miscible [Details:Miscible in wet stage] |
| Solubility- non-water | <i>No Data Available</i> |
| Partition coefficient: n-octanol/ water | <i>No Data Available</i> |
| Autoignition temperature | <i>Not Applicable</i> |
| Decomposition temperature | <i>No Data Available</i> |
| Kinematic Viscosity | <i>No Data Available</i> |
| Volatile Organic Compounds | < 15 % weight |
| Percent volatile | <i>No Data Available</i> |
| VOC Less H2O & Exempt Solvents | < 250 g/l |
| Molecular weight | <i>No Data Available</i> |

| | |
|---------------------------------|-----------------------|
| Particle Characteristics | <i>Not Applicable</i> |
|---------------------------------|-----------------------|

SECTION 10: Stability and reactivity

10.1. Reactivity

This material is considered to be non reactive under normal use conditions.

10.2. Chemical stability

Stable.

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

Strong oxidizing agents

10.6. Hazardous decomposition products

Substance

None known.

Condition

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:

May cause additional health effects (see below).

Skin Contact:

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

Eye Contact:

No information available.

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:

Reproductive/Developmental Toxicity:

Contains a chemical or chemicals which can cause birth defects or other reproductive harm.

Carcinogenicity:

Contains a chemical or chemicals which can cause cancer.

| Ingredient | CAS No. | Class Description | Regulation |
|---|------------|--------------------------------|---|
| Silica, Crystalline (Respirable Size) | 14808-60-7 | Known To Be Human Carcinogen. | National Toxicology Program Carcinogens |
| Silica dust, crystalline, in the form of quartz or cristobalite | 14808-60-7 | Grp. 1: Carcinogenic to humans | International Agency for Research on Cancer |
| Titanium dioxide | 13463-67-7 | Grp. 2B: Possible human carc. | International Agency for Research on Cancer |

Additional Information:

The health hazards of this material are not completely known. Conservative safe handling measures should be followed (as described in sections 7 and 8), and appropriate first aid measures (as described in section 4) should be taken if exposure occurs.

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 |
| Calcium Carbonate | Dermal | Rat | LD50 > 2,000 mg/kg |
| Calcium Carbonate | Inhalation-Dust/Mist (4 hours) | Rat | LC50 3 mg/l |
| Calcium Carbonate | Ingestion | Rat | LD50 6,450 mg/kg |
| Dibenzoate Propanol | Dermal | Rat | LD50 > 2,000 mg/kg |
| Dibenzoate Propanol | Inhalation-Dust/Mist (4 hours) | Rat | LC50 > 200 mg/l |

| | | | |
|---|--------------------------------|--------|------------------------------------|
| Dibenzoate Propanol | Ingestion | Rat | LD50 3,295 mg/kg |
| Titanium Dioxide | Dermal | Rabbit | LD50 > 10,000 mg/kg |
| Titanium Dioxide | Inhalation-Dust/Mist (4 hours) | Rat | LC50 > 5.09 mg/l |
| Titanium Dioxide | Ingestion | Rat | LD50 > 10,000 mg/kg |
| Ethyl Hxdroxyethyl Cellulose | Dermal | | LD50 estimated to be > 5,000 mg/kg |
| Ethyl Hxdroxyethyl Cellulose | Ingestion | Rat | LD50 > 10,000 mg/kg |
| Propylene Glycol | Dermal | Rabbit | LD50 20,800 mg/kg |
| Propylene Glycol | Ingestion | Rat | LD50 22,000 mg/kg |
| 2-Aminoisobutanol | Dermal | Rabbit | LD50 > 2,000 mg/kg |
| 2-Aminoisobutanol | Ingestion | Rat | LD50 2,900 mg/kg |
| Quartz Silica | Dermal | | LD50 estimated to be > 5,000 mg/kg |
| Quartz Silica | Ingestion | | LD50 estimated to be > 5,000 mg/kg |
| C.I. Pigment Blue | Dermal | Rat | LD50 > 2,000 mg/kg |
| C.I. Pigment Blue | Inhalation-Dust/Mist (4 hours) | Rat | LC50 > 5.11 mg/l |
| C.I. Pigment Blue | Ingestion | Rat | LD50 > 2,000 mg/kg |
| 2-OCTYL-3(2H)-ISOTHIAZOLONE | Dermal | Rabbit | LD50 311 mg/kg |
| 2-OCTYL-3(2H)-ISOTHIAZOLONE | Inhalation-Dust/Mist (4 hours) | Rat | LC50 0.27 mg/l |
| 2-OCTYL-3(2H)-ISOTHIAZOLONE | Ingestion | Rat | LD50 125 mg/kg |
| 5-chloro-2-methyl-4-isothiazoline-3-one | Dermal | Rabbit | LD50 87 mg/kg |
| 5-chloro-2-methyl-4-isothiazoline-3-one | Inhalation-Dust/Mist (4 hours) | Rat | LC50 0.171 mg/l |
| 5-chloro-2-methyl-4-isothiazoline-3-one | Ingestion | Rat | LD50 40 mg/kg |

ATE = acute toxicity estimate

Skin Corrosion/Irritation

| Name | Species | Value |
|---|------------------------|---------------------------|
| Calcium Carbonate | Rabbit | No significant irritation |
| Dibenzoate Propanol | Rabbit | No significant irritation |
| Titanium Dioxide | Rabbit | No significant irritation |
| Ethyl Hxdroxyethyl Cellulose | Professional judgement | Minimal irritation |
| Propylene Glycol | Rabbit | No significant irritation |
| 2-Aminoisobutanol | Rabbit | Irritant |
| Quartz Silica | Professional judgement | No significant irritation |
| C.I. Pigment Blue | Rabbit | No significant irritation |
| 2-OCTYL-3(2H)-ISOTHIAZOLONE | Rabbit | Corrosive |
| 5-chloro-2-methyl-4-isothiazoline-3-one | Rabbit | Corrosive |

Serious Eye Damage/Irritation

| Name | Species | Value |
|------------------------------|------------------------|---------------------------|
| Calcium Carbonate | Rabbit | No significant irritation |
| Dibenzoate Propanol | Rabbit | No significant irritation |
| Titanium Dioxide | Rabbit | No significant irritation |
| Ethyl Hxdroxyethyl Cellulose | Professional judgement | Mild irritant |
| Propylene Glycol | Rabbit | No significant irritation |
| 2-Aminoisobutanol | Rabbit | Corrosive |
| C.I. Pigment Blue | Rabbit | Mild irritant |

| | | |
|---|------------------------|-----------|
| 2-OCTYL-3(2H)-ISOTHIAZOLONE | similar health hazards | Corrosive |
| 5-chloro-2-methyl-4-isothiazoline-3-one | Rabbit | Corrosive |

Skin Sensitization

| Name | Species | Value |
|---|------------------|----------------|
| Dibenzoate Propanol | Guinea pig | Not classified |
| Titanium Dioxide | Guinea pig | Not classified |
| Propylene Glycol | Human | Not classified |
| 2-Aminoisobutanol | Guinea pig | Not classified |
| 2-OCTYL-3(2H)-ISOTHIAZOLONE | Human and animal | Sensitizing |
| 5-chloro-2-methyl-4-isothiazoline-3-one | Human and animal | Sensitizing |

Photosensitization

| Name | Species | Value |
|---|------------------|-----------------|
| 5-chloro-2-methyl-4-isothiazoline-3-one | Human and animal | Not sensitizing |

Respiratory Sensitization

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

Germ Cell Mutagenicity

| Name | Route | Value |
|---|----------|--|
| Dibenzoate Propanol | In Vitro | Not mutagenic |
| Propylene Glycol | In Vitro | Not mutagenic |
| Propylene Glycol | In vivo | Not mutagenic |
| 2-Aminoisobutanol | In Vitro | Not mutagenic |
| 2-Aminoisobutanol | In vivo | Not mutagenic |
| Quartz Silica | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| Quartz Silica | In vivo | Some positive data exist, but the data are not sufficient for classification |
| 2-OCTYL-3(2H)-ISOTHIAZOLONE | In Vitro | Not mutagenic |
| 2-OCTYL-3(2H)-ISOTHIAZOLONE | In vivo | Not mutagenic |
| 5-chloro-2-methyl-4-isothiazoline-3-one | In vivo | Not mutagenic |
| 5-chloro-2-methyl-4-isothiazoline-3-one | In Vitro | Some positive data exist, but the data are not sufficient for classification |

Carcinogenicity

| Name | Route | Species | Value |
|---|------------|-------------------------|------------------|
| Titanium Dioxide | Inhalation | Rat | Carcinogenic |
| Propylene Glycol | Dermal | Mouse | Not carcinogenic |
| Propylene Glycol | Ingestion | Multiple animal species | Not carcinogenic |
| Quartz Silica | Inhalation | Human and animal | Carcinogenic |
| 5-chloro-2-methyl-4-isothiazoline-3-one | Dermal | Mouse | Not carcinogenic |
| 5-chloro-2-methyl-4-isothiazoline-3-one | Ingestion | Rat | Not carcinogenic |

Reproductive Toxicity

Reproductive and/or Developmental Effects

| Name | Route | Value | Species | Test result | Exposure Duration |
|---|-----------|--|-------------------------|------------------------|------------------------------|
| Calcium Carbonate | Ingestion | Not classified for development | Rat | NOAEL 625 mg/kg/day | premating & during gestation |
| Dibenzoate Propanol | Ingestion | Not classified for female reproduction | Rat | NOAEL 500 mg/kg/day | 2 generation |
| Dibenzoate Propanol | Ingestion | Not classified for male reproduction | Rat | NOAEL 400 mg/kg/day | 2 generation |
| Dibenzoate Propanol | Ingestion | Not classified for development | Rat | NOAEL 1,000 mg/kg/day | during gestation |
| Propylene Glycol | Ingestion | Not classified for female reproduction | Mouse | NOAEL 10,100 mg/kg/day | 2 generation |
| Propylene Glycol | Ingestion | Not classified for male reproduction | Mouse | NOAEL 10,100 mg/kg/day | 2 generation |
| Propylene Glycol | Ingestion | Not classified for development | Multiple animal species | NOAEL 1,230 mg/kg/day | during organogenesis |
| 2-Aminoisobutanol | Ingestion | Not classified for female reproduction | Rat | NOAEL 1,000 mg/kg/day | premating into lactation |
| 2-Aminoisobutanol | Ingestion | Not classified for male reproduction | Rat | NOAEL 1,000 mg/kg/day | 37 days |
| 2-Aminoisobutanol | Dermal | Not classified for development | Rat | NOAEL 300 mg/kg/day | during gestation |
| 2-Aminoisobutanol | Ingestion | Toxic to development | Rat | NOAEL 100 mg/kg/day | premating into lactation |
| 2-OCTYL-3(2H)-ISOTHIAZOLONE | Ingestion | Not classified for development | Rabbit | NOEL 20 mg/kg/day | during organogenesis |
| 5-chloro-2-methyl-4-isothiazoline-3-one | Ingestion | Not classified for female reproduction | Rat | NOAEL 10 mg/kg/day | 2 generation |
| 5-chloro-2-methyl-4-isothiazoline-3-one | Ingestion | Not classified for male reproduction | Rat | NOAEL 10 mg/kg/day | 2 generation |
| 5-chloro-2-methyl-4-isothiazoline-3-one | Ingestion | Not classified for development | Rat | NOAEL 15 mg/kg/day | during organogenesis |

Target Organ(s)**Specific Target Organ Toxicity - single exposure**

| Name | Route | Target Organ(s) | Value | Species | Test result | Exposure Duration |
|---|------------|-----------------------------------|--|------------------------|---------------------|-------------------|
| Calcium Carbonate | Inhalation | respiratory system | Not classified | Rat | NOAEL 0.812 mg/l | 90 minutes |
| Propylene Glycol | Ingestion | central nervous system depression | Not classified | Human and animal | NOAEL Not available | |
| 2-Aminoisobutanol | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | Mouse | NOAEL Not available | |
| 2-OCTYL-3(2H)-ISOTHIAZOLONE | Inhalation | respiratory irritation | May cause respiratory irritation | Rat | NOAEL Not available | |
| 5-chloro-2-methyl-4-isothiazoline-3-one | Inhalation | respiratory irritation | May cause respiratory irritation | similar health hazards | NOAEL Not available | |

Specific Target Organ Toxicity - repeated exposure

| Name | Route | Target Organ(s) | Value | Species | Test result | Exposure Duration |
|-------------------|------------|--------------------|----------------|---------|---------------------|-----------------------|
| Calcium Carbonate | Inhalation | respiratory system | Not classified | Human | NOAEL Not available | occupational exposure |

| | | | | | | |
|---------------------|------------|--------------------------------------|--|-------------------------|-----------------------|-----------------------|
| Dibenzoate Propanol | Ingestion | hematopoietic system liver | Not classified | Rat | NOAEL 2,500 mg/kg/day | 90 days |
| Propylene Glycol | Ingestion | hematopoietic system | Not classified | Multiple animal species | NOAEL 1,370 mg/kg/day | 117 days |
| Propylene Glycol | Ingestion | kidney and/or bladder | Not classified | Dog | NOAEL 5,000 mg/kg/day | 104 weeks |
| 2-Aminoisobutanol | Ingestion | liver | Some positive data exist, but the data are not sufficient for classification | Rat | NOAEL 23 mg/kg/day | 90 days |
| 2-Aminoisobutanol | Ingestion | blood eyes kidney and/or bladder | Not classified | Dog | NOAEL 2.8 mg/kg/day | 1 years |
| Quartz Silica | Inhalation | silicosis | Causes damage to organs through prolonged or repeated exposure | Human | NOAEL Not available | occupational exposure |

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. 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.

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 new substance notification requirements of CEPA. 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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| Document group: | 26-5475-4 | Version number: | 9.00 |
| Issue Date: | 2024/08/27 | Supersedes Date: | 2023/03/17 |

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