

Safety Data Sheet

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42-7499-9 **Document Group: Version Number:** 2.03 **Issue Date:** 10/03/24 **Supercedes Date:** 09/27/23

SECTION 1: Identification

1.1. Product identifier

3MTM Abrasive Products, CubitronTM 3 Cut-Off Wheels

1.2. Recommended use and restrictions on use

Recommended use

Abrasive Product, For industrial/occupational use only. Not for consumer sale or use.

1.3. Supplier's details

MANUFACTURER: 3M

DIVISION: Abrasive Systems 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

Not classified as hazardous according to OSHA Hazard Communication Standard, 29 CFR 1910.1200.

2.2. Label elements

Signal word

Not applicable.

Symbols

Not applicable.

Pictograms

Not applicable.

46% of the mixture consists of ingredients of unknown acute oral toxicity.

SECTION 3: Composition/information on ingredients

| Ingredient | C.A.S. No. | % by Wt |
|---|------------|------------------------|
| Ceramic Aluminum Oxide / Aluminum Oxide Mineral | 1344-28-1 | 40 - 70 Trade Secret * |

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| Blend (non-fibrous) | | |
|--------------------------------|------------|------------------------|
| Inorganic Fluoride | 60304-36-1 | 10 - 20 Trade Secret * |
| Cured Resin | Mixture | 10 - 20 Trade Secret * |
| Fiberglass Mesh Scrims | Mixture | 4 - 18 Trade Secret * |
| Filler | 13983-17-0 | 1 - 5 Trade Secret * |
| Metal Reinforced Steel Bushing | Mixture | 0.5 - 5 Trade Secret * |
| Paper Label | Mixture | 0.1 - 2 Trade Secret * |
| Titanium Dioxide | 13463-67-7 | < 0.5 Trade Secret * |
| Aluminum Cobalt Oxide | 12672-27-4 | < 0.2 Trade Secret * |
| Lubricant | 8042-47-5 | < 0.2 Trade Secret * |

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

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation:

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

Skin Contact:

Wash with soap and water. 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:

Do not induce vomiting. Rinse mouth. If you feel unwell, get medical attention.

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

No critical symptoms or effects. See Section 11.1, information on toxicological effects.

4.3. Indication of any immediate medical attention and special treatment required

Not applicable

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

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

5.2. Special hazards arising from the substance or mixture

Exposure to extreme heat can give rise to thermal decomposition.

Hazardous Decomposition or By-Products

SubstanceConditionCarbon monoxideDuring CombustionCarbon dioxideDuring CombustionHydrogen FluorideDuring 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

Observe precautions from other sections.

6.2. Environmental precautions

Not applicable.

6.3. Methods and material for containment and cleaning up

Not applicable.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Do not breathe thermal decomposition products. Avoid breathing of dust created by cutting, sanding, grinding or machining. For industrial/occupational use only. Not for consumer sale or use. Damaged product can break apart during use and cause serious injury to face or eyes. Check product for damage such as cracks or nicks prior to use. Replace if damaged. Always wear eye and face protection when working at sanding or grinding operations or when near such operations. Combustible dust may form by action of this product on another material (substrate). Dust generated from the substrate during use of this product may be explosive if in sufficient concentration with an ignition source. Dust deposits should not be allowed to accumulate on surfaces because of the potential for secondary explosions.

7.2. Conditions for safe storage including any incompatibilities

No special storage requirements.

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 |
|---|------------|--------|---|---|
| Aluminum, insoluble compounds | 12672-27-4 | ACGIH | TWA(respirable fraction):1 | A4: Not class. as human |
| | | | mg/m3 | carcin |
| Cobalt, inorganic compounds | 12672-27-4 | ACGIH | TWA(as Co, inhalable fraction):0.02 mg/m3 | A3: Confirmed animal carcin., Dermal/Respiratory Sensitizer |
| Aluminum, insoluble compounds | 1344-28-1 | ACGIH | TWA(respirable fraction):1 mg/m3 | A4: Not class. as human carcin |
| Ceramic Aluminum Oxide / Aluminum Oxide Mineral Blend (non-fibrous) | 1344-28-1 | OSHA | TWA(as total dust):15 mg/m3;TWA(respirable fraction):5 mg/m3 | |
| Titanium Dioxide | 13463-67-7 | ACGIH | TWA(Respirable nanoscale particles):0.2 mg/m3;TWA(Respirable finescale particles):2.5 mg/m3 | A3: Confirmed animal carcin. |
| Titanium Dioxide | 13463-67-7 | OSHA | TWA(as total dust):15 mg/m3 | |
| Filler | 13983-17-0 | ACGIH | TWA(inhalable fraction):1 mg/m3 | A4: Not class. as human carcin |
| FLUORIDES | 60304-36-1 | ACGIH | TWA(as F):2.5 mg/m3 | A4: Not class. as human carcin |

| FLUORIDES | 60304-36-1 | OSHA | TWA(as F):2.5 | |
|-----------------------|------------|-------|---------------------------|-------------------------|
| | | | mg/m3;TWA(as dust):2.5 | |
| | | | mg/m3 | |
| MINERAL OILS, HIGHLY- | 8042-47-5 | ACGIH | TWA(inhalable fraction):5 | A4: Not class. as human |
| REFINED OILS | | | mg/m3 | carcin |
| Paraffin oil | 8042-47-5 | OSHA | TWA(as mist):5 mg/m3 | |

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

For those situations where the material might be exposed to extreme overheating due to misuse or equipment failure, use with appropriate local exhaust ventilation sufficient to maintain levels of thermal decomposition products below their exposure guidelines. 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. Provide appropriate local exhaust ventilation for cutting, grinding, sanding or machining. Provide local exhaust at process emission sources to control exposure near the source and to prevent the escape of dust into the work area. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment).

8.2.2. Personal protective equipment (PPE)

Eye/face protection

To minimize the risk of injury to face and eyes, always wear eye and face protection when working at sanding or grinding operations or when near such operations. 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

Wear appropriate gloves to minimize risk of injury to skin from contact with dust or physical abrasion from grinding or sanding.

Respiratory protection

Assess exposure concentrations of all materials involved in the work process. Consider material being abraded when determining the appropriate respiratory protection. Select and use appropriate respirators to prevent inhalation overexposure.

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:

For those situations where the material might be exposed to extreme overheating due to misuse or equipment failure, use a positive pressure supplied-air respirator.

Half facepiece or full facepiece air-purifying respirator suitable for 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

Appearance

Physical state Solid Color Black

Odor Slight Resinous **Odor threshold** Not Applicable рH Not Applicable Melting point Not Applicable **Boiling Point** Not Applicable **Flash Point** Not Applicable **Evaporation rate** Not Applicable Flammability (solid, gas) Not Classified Flammable Limits(LEL) Not Applicable Not Applicable Flammable Limits(UEL) Vapor Pressure Not Applicable **Vapor Density** Not Applicable Not Applicable **Density Specific Gravity** Not Applicable Solubility In Water Not Applicable Solubility- non-water Not Applicable Not Applicable Partition coefficient: n-octanol/ water Not Applicable **Autoignition temperature Decomposition temperature** Not Applicable Viscosity Not Applicable Molecular weight No Data Available Percent volatile Not Applicable

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

None known.

10.6. Hazardous decomposition products

<u>Substance</u> <u>Condition</u>

None known.

Refer to section 5.2 for hazardous decomposition products during combustion.

Extreme heat arising from situations such as misuse or equipment failure can generate hydrogen fluoride as a decomposition product.

SECTION 11: Toxicological information

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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:

Dust from cutting, grinding, sanding or machining may cause irritation of the respiratory system. Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

Skin Contact:

Mechanical Skin irritation: Signs/symptoms may include abrasion, redness, pain, and itching.

Eye Contact:

Mechanical eye irritation: Signs/symptoms may include pain, redness, tearing and corneal abrasion.

Dust created by cutting, grinding, sanding, or machining may cause eye irritation. Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

Ingestion:

No health effects are expected.

Carcinogenicity:

| Ingredient | CAS No. | Class Description | Regulation |
|---|------------|-------------------------------|---|
| Cobalt and cobalt compounds that release cobalt ions in vivo | 12672-27-4 | Anticipated human carcinogen | National Toxicology Program Carcinogens |
| Cobalt and cobalt compounds except organic cobalt-containing agents (such as Vitamin B12) | 12672-27-4 | Grp. 2B: Possible human carc. | International Agency for Research on Cancer |
| Titanium dioxide | 13463-67-7 | Grp. 2B: Possible human carc. | International Agency for Research on Cancer |

Additional Information:

This document covers only the product. For complete assessment, when determining the degree of hazard, the material being abraded must also be considered. This product contains titanium dioxide. Cancer of the lungs has been observed in rats that inhaled high levels of titanium dioxide. No exposure to inhaled titanium dioxide is expected during the normal handling and use of this product. Titanium dioxide was not detected when air sampling was conducted during simulated use of similar products containing titanium dioxide. Therefore, the health effects associated with titanium dioxide are not expected during the normal use of this product.

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 |
| Ceramic Aluminum Oxide / Aluminum Oxide Mineral Blend (non-fibrous) | Dermal | | LD50 estimated to be > 5,000 mg/kg |
| Ceramic Aluminum Oxide / Aluminum Oxide Mineral Blend (non-fibrous) | Inhalation- Dust/Mist (4 hours) | Rat | LC50 > 2.3 mg/l |

| Ceramic Aluminum Oxide / Aluminum Oxide Mineral Blend (non-fibrous) | Ingestion | Rat | LD50 > 5,000 mg/kg |
|---|---------------------------------------|-----------------------------------|------------------------------------|
| Inorganic Fluoride | Dermal | Rabbit | LD50 > 2,000 mg/kg |
| Inorganic Fluoride | Inhalation- Dust/Mist (4 hours) | Rat | LC50 1.2 mg/l |
| Inorganic Fluoride | Ingestion | Rat | LD50 2,150 mg/kg |
| Filler | Ingestion | Rat | LD50 > 5,000 mg/kg |
| Filler | Dermal | similar compoun ds | LD50 > 5,000 mg/kg |
| Filler | Inhalation- Dust/Mist (4 hours) | similar compoun ds | LC50 > 2.08 mg/l |
| Titanium Dioxide | Dermal | Rabbit | LD50 > 10,000 mg/kg |
| Titanium Dioxide | Inhalation- Dust/Mist (4 hours) | Rat | LC50 > 6.82 mg/l |
| Titanium Dioxide | Ingestion | Rat | LD50 > 10,000 mg/kg |
| Aluminum Cobalt Oxide | Dermal | Professio nal judgeme nt | LD50 estimated to be > 5,000 mg/kg |
| Aluminum Cobalt Oxide | Ingestion | Rat | LD50 > 2,000 mg/kg |
| Lubricant | Dermal | Rabbit | LD50 > 2,000 mg/kg |
| Lubricant | Ingestion | Rat | LD50 > 5,000 mg/kg |

ATE = acute toxicity estimate

Skin Corrosion/Irritation

| Name | Species | Value |
|---|----------|---------------------------|
| | | |
| Ceramic Aluminum Oxide / Aluminum Oxide Mineral Blend (non-fibrous) | Rabbit | No significant irritation |
| Inorganic Fluoride | Rabbit | No significant irritation |
| Filler | similar | No significant irritation |
| | compoun | |
| | ds | |
| Titanium Dioxide | Rabbit | No significant irritation |
| Aluminum Cobalt Oxide | In vitro | No significant irritation |
| | data | |
| Lubricant | Rabbit | No significant irritation |

Serious Eye Damage/Irritation

| Name | Species | Value |
|---|------------|---------------------------|
| Ceramic Aluminum Oxide / Aluminum Oxide Mineral Blend (non-fibrous) | Rabbit | No significant irritation |
| Inorganic Fluoride | Rabbit | Corrosive |
| Filler | similar | Mild irritant |
| | ds compoun | |
| Titanium Dioxide | Rabbit | No significant irritation |
| Aluminum Cobalt Oxide | In vitro | No significant irritation |
| | data | |
| Lubricant | Rabbit | Mild irritant |

Skin Sensitization

| Name | Species | Value |
|-----------------------|---------|----------------|
| Filler | Human | Not classified |
| Titanium Dioxide | Human | Not classified |
| | and | |
| | animal | |
| Aluminum Cobalt Oxide | similar | Sensitizing |
| | compoun | |
| | ds | |
| Lubricant | Guinea | Not classified |

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pig

Respiratory Sensitization

| Name | Species | Value |
|-----------------------|---------|-------------|
| | | |
| Aluminum Cobalt Oxide | similar | Sensitizing |
| | compoun | |
| | ds | |

Germ Cell Mutagenicity

| Name | Route | Value |
|---|----------|--|
| | | |
| Ceramic Aluminum Oxide / Aluminum Oxide Mineral Blend (non-fibrous) | In Vitro | Not mutagenic |
| Filler | In Vitro | Not mutagenic |
| Filler | In vivo | Not mutagenic |
| Titanium Dioxide | In Vitro | Not mutagenic |
| Titanium Dioxide | In vivo | Not mutagenic |
| Aluminum Cobalt Oxide | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| Aluminum Cobalt Oxide | In vivo | Mutagenic |
| Lubricant | In Vitro | Not mutagenic |

Carcinogenicity

| Name | Route | Species | Value |
|---|------------|-------------------------------|------------------|
| Ceramic Aluminum Oxide / Aluminum Oxide Mineral Blend (non-fibrous) | Inhalation | Rat | Not carcinogenic |
| Titanium Dioxide | Ingestion | Multiple animal species | Not carcinogenic |
| Titanium Dioxide | Inhalation | Rat | Carcinogenic |
| Aluminum Cobalt Oxide | Inhalation | similar compoun ds | Carcinogenic |
| Lubricant | Dermal | Mouse | Not carcinogenic |
| Lubricant | Inhalation | Multiple animal species | Not carcinogenic |

Reproductive Toxicity

Reproductive and/or Developmental Effects

| Name | Route | Value | Species | Test Result | Exposure Duration |
|-----------------------|------------|--|-------------------------------|--------------------------|-----------------------------|
| Inorganic Fluoride | Ingestion | Not classified for development | Mouse | NOAEL 100 mg/kg/day | during organogenesi s |
| Filler | Ingestion | Not classified for development | Multiple animal species | NOAEL 1,600 mg/kg/day | during organogenesi s |
| Aluminum Cobalt Oxide | Ingestion | Toxic to development | similar compoun ds | NOAEL 5 mg/kg/day | during gestation |
| Aluminum Cobalt Oxide | Ingestion | Toxic to male reproduction | similar compoun ds | NOAEL Not available | |
| Aluminum Cobalt Oxide | Inhalation | Toxic to male reproduction | similar compoun ds | NOAEL Not available | |
| Lubricant | Ingestion | Not classified for female reproduction | Rat | NOAEL 4,350 mg/kg/day | 13 weeks |
| Lubricant | Ingestion | Not classified for male reproduction | Rat | NOAEL 4,350 mg/kg/day | 13 weeks |
| Lubricant | Ingestion | Not classified for development | Rat | NOAEL 4,350 mg/kg/day | during gestation |

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Lactation

| Name | Route | Species | Value |
|--------------------|-----------|---------|--|
| Inorganic Fluoride | Ingestion | Rat | Not classified for effects on or via lactation |

Target Organ(s)

Specific Target Organ Toxicity - single exposure

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

Specific Target Organ Toxicity - repeated exposure

| Name | Route | Target Organ(s) | Value | Species | Test Result | Exposure Duration |
|---|------------|---|--|--------------------------|-----------------------------|-----------------------|
| Ceramic Aluminum Oxide / Aluminum Oxide Mineral Blend (non-fibrous) | Inhalation | pneumoconiosis | Some positive data exist, but the data are not sufficient for classification | Human | NOAEL Not available | occupational exposure |
| Ceramic Aluminum Oxide / Aluminum Oxide Mineral Blend (non-fibrous) | Inhalation | pulmonary fibrosis | Not classified | Human | NOAEL Not available | occupational exposure |
| Inorganic Fluoride | Inhalation | respiratory system | Causes damage to organs through prolonged or repeated exposure | Rat | LOAEL 0.003 mg/l | 28 days |
| Filler | Inhalation | respiratory system | Not classified | Human | NOAEL Not available | occupational exposure |
| Filler | Inhalation | pulmonary fibrosis | Not classified | Human and animal | NOAEL Not available | |
| Filler | Ingestion | liver kidney and/or bladder hematopoietic system | Not classified | Rat | NOAEL 2,500 mg/kg/day | 2 years |
| Titanium Dioxide | Inhalation | respiratory system | Some positive data exist, but the data are not sufficient for classification | Rat | LOAEL 0.01 mg/l | 2 years |
| Titanium Dioxide | Inhalation | pulmonary fibrosis | Not classified | Human | NOAEL Not available | occupational exposure |
| Aluminum Cobalt Oxide | Inhalation | respiratory system | Causes damage to organs through prolonged or repeated exposure | similar compoun ds | NOAEL Not available | 13 weeks |
| Lubricant | Ingestion | hematopoietic system | Not classified | Rat | NOAEL 1,381 mg/kg/day | 90 days |
| Lubricant | Ingestion | liver immune system | Not classified | Rat | NOAEL 1,336 mg/kg/day | 90 days |

Aspiration Hazard

| _ = | y ** | | | | | |
|-----|-----------|-------------------|--|--|--|--|
| | Name | Value | | | | |
| | Lubricant | Aspiration hazard | | | | |

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

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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.

Prior to disposal, consult all applicable authorities and regulations to insure proper classification. The substrate that was abraded must be considered as a factor in the disposal method for this product. 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. Combustion products will include HF. Facility must be capable of handling halogenated materials. If no other disposal options are available, waste product may be placed in a landfill properly designed for industrial waste.

SECTION 14: Transport Information

Not regulated per U.S. DOT, IATA or IMO.

These transportation classifications are provided as a customer service. As the shipper YOU remain responsible for complying with all applicable laws and regulations, including proper transportation classification and packaging. 3M transportation classifications are based on product formulation, packaging, 3M policies and 3M understanding of applicable current regulations. 3M does not guarantee the accuracy of this classification information. This information applies only to transportation classification and not the packaging, labeling, or marking requirements. The original 3M package is certified for U.S. ground shipment only. If you are shipping by air or ocean, the package may not meet applicable regulatory requirements.

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

Not applicable

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

| <u>Ingredient</u> | C.A.S. No | <u>% by Wt</u> |
|--|------------|--------------------|
| Aluminum Cobalt Oxide (Cobalt compounds) | 12672-27-4 | Trade Secret < 0.2 |
| Aluminum Cobalt Oxide (Cobalt, inorganic | 12672-27-4 | Trade Secret < 0.2 |
| compounds) | | |

15.2. State Regulations

Contact 3M for more information.

15.3. Chemical Inventories

This product is an article as defined by TSCA regulations, and is exempt from TSCA Inventory listing requirements.

Contact 3M for more information.

15.4. International Regulations

Contact 3M for more information

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

SECTION 16: Other information

NFPA Hazard Classification

Health: 3 Flammability: 1 Instability: 0 Special Hazards: None

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel to address the hazards that are presented by short-term, acute exposure to a material under conditions of fire, spill, or similar emergencies. Hazard ratings are primarily based on the inherent physical and toxic properties of the material but also include the toxic properties of combustion or decomposition products that are known to be generated in significant quantities.

The NFPA Health code of 3 is due to emergency situations where the material may thermally decompose and release Hydrogen Fluoride. During normal use conditions, please reference Section 2 and Section 11 of the SDS for additional health hazard information.

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 09/27/23

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