SAFETY DATA SHEETS

This SDS packet was issued with item:

071219054

The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).

070387076 070617324 070617332 070617340 070617357 070617449 070617639 070617647 070617654 070617662 070617670 071219070 071219088 071226430 071226448 075023759 075023767 075023775 075023783 075023791 075023908 075023916 075023924 075023932 075023940 273012944 273016310 273018183 273022135 273023188 273023189



Safety Data Sheet

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 30-3992-2
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 12/18/19
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SECTION 1: Identification

1.1. Product identifier

FILTEK™ BULK FILL FLOWABLE RESTORATIVE

Product Identification Numbers

 $70\text{-}2014\text{-}0039\text{-}0, 70\text{-}2014\text{-}0040\text{-}8, 70\text{-}2014\text{-}0041\text{-}6, 70\text{-}2014\text{-}0042\text{-}4, 70\text{-}2014\text{-}0051\text{-}5, 70\text{-}2014\text{-}0052\text{-}3, 70\text{-}2014\text{-}0053\text{-}1, 70\text{-}2014\text{-}0054\text{-}9, 70\text{-}2014\text{-}0056\text{-}4, 70\text{-}2014\text{-}0060\text{-}6, 70\text{-}2014\text{-}0829\text{-}4, 70\text{-}2014\text{-}0830\text{-}2, 70\text{-}2014\text{-}0831\text{-}0, 70\text{-}2014\text{-}0832\text{-}8, 70\text{-}2014\text{-}0834\text{-}4, 70\text{-}2014\text{-}0835\text{-}1, 70\text{-}2014\text{-}0836\text{-}9, 70\text{-}2014\text{-}0837\text{-}7, 70\text{-}2014\text{-}0839\text{-}3, 70\text{-}2014\text{-}0840\text{-}1, 70\text{-}2014\text{-}0841\text{-}9, 70\text{-}2014\text{-}0842\text{-}7, 70\text{-}2014\text{-}0868\text{-}2, 70\text{-}2014\text{-}0869\text{-}0, 70\text{-}2014\text{-}0871\text{-}6, 70\text{-}2014\text{-}0938\text{-}3, 70\text{-}2014\text{-}0939\text{-}1, 70\text{-}2014\text{-}0940\text{-}9, 70\text{-}2014\text{-}0944\text{-}1, 70\text{-}2014\text{-}1087\text{-}8, 70\text{-}2014\text{-}1088\text{-}6, 70\text{-}2014\text{-}1089\text{-}4, 70\text{-}2014\text{-}1090\text{-}2, 70\text{-}2014\text{-}1091\text{-}0, 70\text{-}2014\text{-}1092\text{-}8, 70\text{-}2014\text{-}1093\text{-}6, 70\text{-}2014\text{-}1094\text{-}4, 70\text{-}2014\text{-}1156\text{-}1, 70\text{-}2014\text{-}1300\text{-}5, 70\text{-}2014\text{-}1301\text{-}3, 70\text{-}2014\text{-}1302\text{-}1, 70\text{-}2014\text{-}1303\text{-}9, 70\text{-}2014\text{-}1304\text{-}7, 70\text{-}2014\text{-}1305\text{-}4, 70\text{-}2014\text{-}1306\text{-}2, 70\text{-}2014\text{-}1307\text{-}0, 70\text{-}2014\text{-}1308\text{-}8, 70\text{-}2014\text{-}1309\text{-}6}$ 7100036588, 7100036668, 7100036669, 7100036670, 7100038838, 7100038839, 7100038860, 7100038861, 7100036671, 7100038863, 7100156373, 7100156376, 7100156377, 7100156374, 7100156418, 7100156417, 7100156427, 7100156416, 7100156428, 7100156429, 7100141225, 7100141226, 7100141207, 7100141223, 7100141210, 7100141221, 7100141184, 7100141185, 7100141186

1.2. Recommended use and restrictions on use

Recommended use

Dental Product, Bulk fill flowable restorative

Restrictions on use

For use only by dental professionals

1.3. Supplier's details

MANUFACTURER: 3M

DIVISION: Oral Care Solutions 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

This document has been prepared in accordance with the U.S. OSHA Hazard Communication Standard, which requires the inclusion of all known hazards of the product or ingredients regardless of the potential risk. The risks of the hazards

communicated in this document may vary depending on the potential for exposure.

2.1. Hazard classification

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:

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.

Wash contaminated clothing before reuse.

Disposal:

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

SECTION 3: Composition/information on ingredients

| Ingredient | C.A.S. No. | % by Wt |
|--|-------------|------------------------|
| SILANE TREATED CERAMIC | 444758-98-9 | 50 - 60 Trade Secret * |
| DIURETHANE DIMETHACRYLATE (UDMA) | 72869-86-4 | 10 - 20 Trade Secret * |
| SUBSTITUTED DIMETHACRYLATE | 27689-12-9 | 10 - 20 Trade Secret * |
| BISPHENOL A POLYETHYLENE GLYCOL | 41637-38-1 | 1 - 10 Trade Secret * |
| DIETHER DIMETHACRYLATE (BISEMA-6) | | |
| YTTERBIUM FLUORIDE (YbF3) | 13760-80-0 | 1 - 10 Trade Secret * |
| BISPHENOL A DIGLYCIDYL ETHER | 1565-94-2 | 1 - 10 Trade Secret * |
| DIMETHACRYLATE (BISGMA) | | |
| BENZOTRIAZOL | 96478-09-0 | < 1 Trade Secret * |
| TRIETHYLENE GLYCOL DIMETHACRYLATE | 109-16-0 | < 1 Trade Secret * |
| (TEGDMA) | | |
| ETHYL 4-DIMETHYL AMINOBENZOATE (EDMAB) | 10287-53-3 | < 1 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:

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

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

None inherent in this product.

Hazardous Decomposition or By-Products

SubstanceConditionCarbon monoxideDuring CombustionCarbon dioxideDuring 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. 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 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

A no-touch technique is recommended. If skin contact occurs, wash skin with soap and water. Acrylates may penetrate commonly-used gloves. If product contacts glove, remove and discard glove, wash hands immediately with soap and water and then re-glove. 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 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 |
|------------|------------|--------|---------------------------|-------------------------|
| FLUORIDES | 13760-80-0 | ACGIH | TWA(as F):2.5 mg/m3 | A4: Not class. as human |
| | | | | carcin |
| FLUORIDES | 13760-80-0 | OSHA | TWA(as dust):2.5 | |
| | | | mg/m3;TWA(as F):2.5 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

Use in a well-ventilated area.

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

See Section 7.1 for additional information on skin protection.

Respiratory protection

None required.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical stateLiquidColorTooth

Specific Physical Form: Viscous liquid-like paste

OdorSlight AcrylateOdor thresholdNo Data AvailablepHNot ApplicableMelting pointNo Data AvailableBoiling PointNot Applicable

Flash Point Flash point > 93 °C (200 °F)

Evaporation rateNo Data AvailableFlammability (solid, gas)Not ApplicableFlammable Limits(LEL)Not ApplicableFlammable Limits(UEL)Not ApplicableVapor PressureNot ApplicableVapor DensityNot ApplicableDensity1.5 g/cm3

Specific Gravity 1.5 [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 No Data Available Viscosity Molecular weight No Data Available **Volatile Organic Compounds** No Data Available

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

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.

This document has been prepared in accordance with the U.S. OSHA Hazard Communication Standard, which requires the inclusion of all known hazards of the product or ingredients regardless of the potential risk. The risks of the hazards communicated in this document may vary depending on the potential for exposure. The information below represents toxicological information associated with the individual components of the uncured product. Once properly mixed and/or cured, the product is safe for its intended use.

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:

This product may have a characteristic odor; however, no adverse health effects are anticipated.

Skin Contact:

Contact with the skin during product use is not expected to result in significant irritation. 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:

May be harmful if swallowed.

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 | Dermal | | No data available; calculated ATE >5,000 mg/kg |
| Overall product | Ingestion | | No data available; calculated ATE2,000 - 5,000 mg/kg |
| SILANE TREATED CERAMIC | Dermal | | LD50 estimated to be > 5,000 mg/kg |
| SILANE TREATED CERAMIC | Ingestion | | LD50 estimated to be 2,000 - 5,000 mg/kg |
| SUBSTITUTED DIMETHACRYLATE | Dermal | Professio nal judgeme nt | LD50 estimated to be > 5,000 mg/kg |
| SUBSTITUTED DIMETHACRYLATE | Ingestion | Rat | LD50 > 17,600 mg/kg |
| DIURETHANE DIMETHACRYLATE (UDMA) | Dermal | Professio nal judgeme nt | LD50 estimated to be > 5,000 mg/kg |

| DIURETHANE DIMETHACRYLATE (UDMA) | Ingestion | Rat | LD50 > 5,000 mg/kg |
|--|-----------|-----------|--|
| YTTERBIUM FLUORIDE (YbF3) | Dermal | Professio | LD50 estimated to be > 5,000 mg/kg |
| | | nal | |
| | | judgeme | |
| | | nt | |
| YTTERBIUM FLUORIDE (YbF3) | Ingestion | Rat | LD50 > 5,000 mg/kg |
| BISPHENOL A DIGLYCIDYL ETHER DIMETHACRYLATE (BISGMA) | Ingestion | | LD50 estimated to be 2,000 - 5,000 mg/kg |
| BISPHENOL A DIGLYCIDYL ETHER DIMETHACRYLATE | Dermal | Professio | LD50 estimated to be 2,000 - 5,000 mg/kg |
| (BISGMA) | | nal | |
| | | judgeme | |
| | | nt | |
| BISPHENOL A POLYETHYLENE GLYCOL DIETHER | Dermal | Professio | LD50 estimated to be > 5,000 mg/kg |
| DIMETHACRYLATE (BISEMA-6) | | nal | |
| | | judgeme | |
| | | nt | |
| BISPHENOL A POLYETHYLENE GLYCOL DIETHER | Ingestion | Rat | LD50 > 2,000 mg/kg |
| DIMETHACRYLATE (BISEMA-6) | | | |
| ETHYL 4-DIMETHYL AMINOBENZOATE (EDMAB) | Dermal | Rat | LD50 > 2,000 mg/kg |
| ETHYL 4-DIMETHYL AMINOBENZOATE (EDMAB) | Ingestion | Rat | LD50 > 2,000 mg/kg |
| TRIETHYLENE GLYCOL DIMETHACRYLATE (TEGDMA) | Dermal | Professio | LD50 estimated to be > 5,000 mg/kg |
| | | nal | |
| | | judgeme | |
| | | nt | |
| TRIETHYLENE GLYCOL DIMETHACRYLATE (TEGDMA) | Ingestion | Rat | LD50 10,837 mg/kg |

ATE = acute toxicity estimate

Skin Corrosion/Irritation

| Skii Corrosion/irritation | I a • | X7.1 |
|--|-----------|---------------------------|
| Name | Species | Value |
| | | |
| SILANE TREATED CERAMIC | similar | No significant irritation |
| | compoun | |
| | ds | |
| SUBSTITUTED DIMETHACRYLATE | Rabbit | No significant irritation |
| BISPHENOL A DIGLYCIDYL ETHER DIMETHACRYLATE (BISGMA) | Not | Minimal irritation |
| | available | |
| ETHYL 4-DIMETHYL AMINOBENZOATE (EDMAB) | Rabbit | No significant irritation |
| TRIETHYLENE GLYCOL DIMETHACRYLATE (TEGDMA) | Guinea | Mild irritant |
| | pig | |

Serious Eye Damage/Irritation

| Name | Species | Value |
|--|-----------|-------------------|
| SILANE TREATED CERAMIC | similar | Mild irritant |
| | compoun | |
| | ds | |
| SUBSTITUTED DIMETHACRYLATE | Rabbit | Mild irritant |
| YTTERBIUM FLUORIDE (YbF3) | Professio | Mild irritant |
| | nal | |
| | judgeme | |
| | nt | |
| BISPHENOL A DIGLYCIDYL ETHER DIMETHACRYLATE (BISGMA) | Not | Moderate irritant |
| | available | |
| ETHYL 4-DIMETHYL AMINOBENZOATE (EDMAB) | Rabbit | Mild irritant |
| TRIETHYLENE GLYCOL DIMETHACRYLATE (TEGDMA) | Professio | Moderate irritant |
| | nal | |
| | judgeme | |
| | nt | |

Skin Sensitization

| Name | Species | Value |
|----------------------------|---------|----------------|
| SILANE TREATED CERAMIC | similar | Not classified |
| | compoun | |
| | ds | |
| SUBSTITUTED DIMETHACRYLATE | Guinea | Not classified |

| | pig | |
|--|--------|----------------|
| DIURETHANE DIMETHACRYLATE (UDMA) | Guinea | Sensitizing |
| | pig | |
| BISPHENOL A DIGLYCIDYL ETHER DIMETHACRYLATE (BISGMA) | Guinea | Sensitizing |
| | pig | |
| BISPHENOL A POLYETHYLENE GLYCOL DIETHER | Guinea | Not classified |
| DIMETHACRYLATE (BISEMA-6) | pig | |
| TRIETHYLENE GLYCOL DIMETHACRYLATE (TEGDMA) | Human | Sensitizing |
| | and | |
| | animal | |

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 |
|--|----------|--|
| SUBSTITUTED DIMETHACRYLATE | In Vitro | Not mutagenic |
| BISPHENOL A DIGLYCIDYL ETHER DIMETHACRYLATE (BISGMA) | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| BISPHENOL A POLYETHYLENE GLYCOL DIETHER DIMETHACRYLATE (BISEMA-6) | In Vitro | Not mutagenic |
| TRIETHYLENE GLYCOL DIMETHACRYLATE (TEGDMA) | In Vitro | Some positive data exist, but the data are not sufficient for classification |

Carcinogenicity

| Name | Route | Species | Value |
|--|------------|--------------------------|--|
| SILANE TREATED CERAMIC | Inhalation | similar compoun ds | Some positive data exist, but the data are not sufficient for classification |
| TRIETHYLENE GLYCOL DIMETHACRYLATE (TEGDMA) | Dermal | Mouse | Not carcinogenic |

Reproductive Toxicity

Reproductive and/or Developmental Effects

| Name | Route | Value | Species | Test Result | Exposure Duration |
|---|-----------|--|---------|------------------------|------------------------------|
| BISPHENOL A DIGLYCIDYL ETHER DIMETHACRYLATE (BISGMA) | Ingestion | Not classified for female reproduction | Mouse | NOAEL 0.8 mg/kg/day | premating & during gestation |
| BISPHENOL A DIGLYCIDYL ETHER DIMETHACRYLATE (BISGMA) | Ingestion | Not classified for male reproduction | Mouse | NOAEL 0.8 mg/kg/day | premating & during gestation |
| BISPHENOL A DIGLYCIDYL ETHER DIMETHACRYLATE (BISGMA) | Ingestion | Not classified for development | Mouse | NOAEL 0.8 mg/kg/day | premating & during gestation |
| TRIETHYLENE GLYCOL DIMETHACRYLATE (TEGDMA) | Ingestion | Not classified for female reproduction | Mouse | NOAEL 1 mg/kg/day | 1 generation |
| TRIETHYLENE GLYCOL DIMETHACRYLATE (TEGDMA) | Ingestion | Not classified for male reproduction | Mouse | NOAEL 1 mg/kg/day | 1 generation |
| TRIETHYLENE GLYCOL DIMETHACRYLATE (TEGDMA) | Ingestion | Not classified for development | Mouse | NOAEL 1 mg/kg/day | 1 generation |

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 |
|----------------|------------|--------------------|----------------|---------|-------------|----------------------|
| SILANE TREATED | Inhalation | pulmonary fibrosis | Not classified | similar | NOAEL Not | |

| | | 9 |
|--|--|---|
| | | |

| CERAMIC | | | | compoun ds | available | |
|---|-----------|--|----------------|---------------|------------------------|------------------------------|
| BISPHENOL A DIGLYCIDYL ETHER DIMETHACRYLATE (BISGMA) | Ingestion | endocrine system liver nervous system kidney and/or bladder | Not classified | Mouse | NOAEL 0.8 mg/kg/day | premating & during gestation |
| TRIETHYLENE GLYCOL DIMETHACRYLATE (TEGDMA) | Dermal | kidney and/or bladder blood | Not classified | Mouse | NOAEL 833 mg/kg/day | 78 weeks |

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. If no other disposal options are available, waste product that has been completely cured or polymerized may be placed in a landfill properly designed for industrial waste.

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 | |
|----------------|---|
| | - |

12/18/19

Respiratory or Skin Sensitization

15.2. State Regulations

Contact 3M for more information.

15.3. Chemical Inventories

This material contains one or more substances not listed on the TSCA Inventory. Commercial use of this material is regulated by the FDA.

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: 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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