



Safety Data Sheet

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SECTION 1: Identification

1.1. Product identifier

3M(TM) Fire Barrier Moldable Putty Stix MP+

Product Identification Numbers

| ID Number | UPC | ID Number | UPC |
|----------------|-----|----------------|------------------|
| 42-0016-4776-9 | | 44-0042-9356-7 | |
| 44-0042-9357-5 | | 44-0042-9358-3 | |
| 44-0042-9360-9 | | 98-0400-5417-7 | 00-51115-16526-9 |

1.2. Recommended use and restrictions on use

Recommended use

Passive fire protection in industrial applications

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

Serious Eye Damage/Irritation: Category 2A.

Skin Sensitizer: Category 1.

Reproductive Toxicity: Category 2.

2.2. Label elements

Signal word

Warning

Symbols

Exclamation mark | Health Hazard |

Pictograms**Hazard Statements**

Causes serious eye irritation.
 May cause an allergic skin reaction.
 Suspected of damaging fertility or the unborn child.

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/vapors/spray.
 Wear protective gloves and eye/face protection.
 Wash thoroughly after handling.
 Contaminated work clothing must not be allowed out of the workplace.

Response:

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 If eye irritation persists: Get medical advice/attention.
 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.
 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% of the mixture consists of ingredients of unknown acute oral toxicity.

2% of the mixture consists of ingredients of unknown acute dermal toxicity.

SECTION 3: Composition/information on ingredients

| Ingredient | C.A.S. No. | % by Wt |
|---|---------------|------------------------|
| Petrolatum | 8009-03-8 | 10 - 30 Trade Secret * |
| Sodium Silicate | 1344-09-8 | 10 - 30 Trade Secret * |
| Zinc Borate | 138265-88-0 | 10 - 30 Trade Secret * |
| Polymer NJTS Reg. No. 04499600-7315 | Trade Secret* | 10 - 30 Trade Secret * |
| Melamine Phosphate | 41583-09-9 | 7 - 13 Trade Secret * |
| Polybutylene | 9003-29-6 | 7 - 13 Trade Secret * |
| Butadiene-Styrene-Meta-Divinylbenzene Polymer | 26471-45-4 | 3 - 7 Trade Secret * |
| Glass Wool | 65997-17-3 | 3 - 7 Trade Secret * |

| | | |
|---|-------------|----------------------|
| Amorphous Silica | 112945-52-5 | 1 - 5 Trade Secret * |
| Water | 7732-18-5 | 1 - 5 Trade Secret * |
| Rayon Fiber | None | < 5 Trade Secret * |
| 4,4'-Isopropylidenediphenol-Epichlorohydrin Polymer | 25068-38-6 | < 2 Trade Secret * |
| Alpha-Methylstyrene-Isoamylene-Piperylene Polymer | 62258-49-5 | < 2 Trade Secret * |
| Rosin | 8050-09-7 | < 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

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

Use a fire fighting agent suitable for the surrounding fire.

5.2. Special hazards arising from the substance or mixture

None inherent in this product.

Hazardous Decomposition or By-Products

Substance

Aldehydes
Carbon monoxide
Carbon dioxide
Hydrogen Chloride

Condition

During Combustion
During Combustion
During Combustion
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. 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. Avoid breathing 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. Use personal protective equipment (gloves, respirators, etc.) as required.

7.2. Conditions for safe storage including any incompatibilities

Store away from areas where product may come into contact with food or pharmaceuticals.

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 |
|-----------------------------------|-------------|--------|---|---|
| SILICA, AMORPHOUS | 112945-52-5 | OSHA | TWA concentration:0.8 mg/m ³ ;TWA:20 millions of particles/cu. ft. | |
| MINERAL OILS, HIGHLY-REFINED OILS | 8009-03-8 | ACGIH | TWA(inhalable fraction):5 mg/m ³ | A4: Not class. as human carcin |
| Paraffin oil | 8009-03-8 | OSHA | TWA(as mist):5 mg/m ³ | |
| Rosin | 8050-09-7 | ACGIH | Limit value not established: | Dermal/Respiratory Sensitizer, Cntrl all exposr-low as possib |

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:

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

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 - polymer laminate

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

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**

| | |
|--|--------------------------------|
| General Physical Form: | Solid |
| Specific Physical Form: | Putty |
| Odor, Color, Grade: | Red putty with negligible odor |
| Odor threshold | <i>No Data Available</i> |
| pH | <i>No Data Available</i> |
| Melting point | <i>Not Applicable</i> |
| Boiling Point | <i>Not Applicable</i> |
| Flash Point | Flash point > 93 °C (200 °F) |
| Evaporation rate | <i>Not Applicable</i> |
| Flammability (solid, gas) | Not Classified |
| Flammable Limits(LEL) | <i>Not Applicable</i> |
| Flammable Limits(UEL) | <i>Not Applicable</i> |
| Vapor Pressure | <i>Not Applicable</i> |
| Vapor Density | <i>Not Applicable</i> |
| Density | 1.25 g/cm ³ |
| Specific Gravity | 1.25 [Ref Std: WATER=1] |
| Solubility In Water | <i>No Data Available</i> |
| 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> |
| Viscosity | <i>No Data Available</i> |
| Molecular weight | <i>No Data Available</i> |
| Volatile Organic Compounds | < 1 % weight |
| VOC Less H2O & Exempt Solvents | < 1 g/l |

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.

SECTION 11: Toxicological information

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. In addition, toxicological data on ingredients may not be reflected in the material classification and/or the signs and symptoms of exposure, because an ingredient may be present below the threshold for labeling, an ingredient may not be available for exposure, or the data may not be relevant to the material as a whole.

11.1. Information on Toxicological effects

Signs and Symptoms of Exposure

Based on test data and/or information on the components, this material may produce the following health effects:

Inhalation:

Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

Skin Contact:

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

Eye Contact:

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

Ingestion:

May be harmful if swallowed.

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.

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 ATE 2,000 - 5,000 mg/kg |
| Zinc Borate | Dermal | Rabbit | LD50 > 5,000 mg/kg |
| Zinc Borate | Inhalation-Dust/Mist | Rat | LC50 > 4.95 mg/l |
| Zinc Borate | Ingestion | Rat | LD50 > 5,000 mg/kg |
| Sodium Silicate | Dermal | Rabbit | LD50 > 4,640 mg/kg |
| Sodium Silicate | Ingestion | Rat | LD50 500 mg/kg |
| Petrolatum | Dermal | | LD50 estimated to be > 5,000 mg/kg |
| Petrolatum | Ingestion | Rat | LD50 > 5,000 mg/kg |
| Polymer NJTS Reg. No. 04499600-7315 | Dermal | Rabbit | LD50 > 2,000 mg/kg |
| Polymer NJTS Reg. No. 04499600-7315 | Ingestion | Rat | LD50 > 5,000 mg/kg |
| Polybutylene | Dermal | Rat | LD50 > 10,250 mg/kg |
| Polybutylene | Ingestion | Rat | LD50 > 34,600 mg/kg |
| Melamine Phosphate | Dermal | | LD50 estimated to be 2,000 - 5,000 mg/kg |
| Melamine Phosphate | Ingestion | Rat | LD50 > 4,000 mg/kg |
| Glass Wool | Dermal | | LD50 estimated to be > 5,000 mg/kg |
| Glass Wool | Ingestion | | LD50 estimated to be 2,000 - 5,000 mg/kg |
| Butadiene-Styrene-Meta-Divinylbenzene Polymer | Dermal | | LD50 estimated to be > 5,000 mg/kg |
| Butadiene-Styrene-Meta-Divinylbenzene Polymer | Ingestion | | LD50 estimated to be 2,000 - 5,000 mg/kg |
| Amorphous Silica | Dermal | Rabbit | LD50 > 5,000 mg/kg |
| Amorphous Silica | Inhalation-Dust/Mist (4 hours) | Rat | LC50 > 0.691 mg/l |
| Amorphous Silica | Ingestion | Rat | LD50 > 5,110 mg/kg |
| 4,4'-Isopropylidenediphenol-Epichlorohydrin Polymer | Dermal | Rat | LD50 > 1,600 mg/kg |
| 4,4'-Isopropylidenediphenol-Epichlorohydrin Polymer | Ingestion | Rat | LD50 > 1,000 mg/kg |
| Alpha-Methylstyrene-Isoamylene-Piperylene Polymer | Dermal | | LD50 estimated to be > 5,000 mg/kg |
| Alpha-Methylstyrene-Isoamylene-Piperylene Polymer | Ingestion | Rat | LD50 > 40,000 mg/kg |
| Rosin | Dermal | Rabbit | LD50 > 2,500 mg/kg |
| Rosin | Ingestion | Rat | LD50 7,600 mg/kg |

ATE = acute toxicity estimate

Skin Corrosion/Irritation

| Name | Species | Value |
|-------------------------------------|-----------|---------------------------|
| Zinc Borate | Rabbit | No significant irritation |
| Sodium Silicate | Rabbit | Corrosive |
| Polymer NJTS Reg. No. 04499600-7315 | Professio | No significant irritation |

| | | |
|---|-----------------------------------|---------------------------|
| | nal judgeme nt | |
| Polybutylene | Rabbit | Minimal irritation |
| Glass Wool | Professio nal judgeme nt | No significant irritation |
| Butadiene-Styrene-Meta-Divinylbenzene Polymer | Professio nal judgeme nt | Minimal irritation |
| Amorphous Silica | Rabbit | No significant irritation |
| 4,4'-Isopropylidenediphenol-Epichlorohydrin Polymer | Rabbit | Mild irritant |
| Rosin | Rabbit | No significant irritation |

Serious Eye Damage/Irritation

| Name | Species | Value |
|---|-----------------------------------|---------------------------|
| Zinc Borate | Rabbit | Severe irritant |
| Sodium Silicate | Rabbit | Corrosive |
| Polybutylene | Rabbit | Mild irritant |
| Glass Wool | Professio nal judgeme nt | No significant irritation |
| Amorphous Silica | Rabbit | No significant irritation |
| 4,4'-Isopropylidenediphenol-Epichlorohydrin Polymer | Rabbit | Moderate irritant |
| Rosin | Rabbit | Mild irritant |

Skin Sensitization

| Name | Species | Value |
|---|------------------------|----------------|
| Zinc Borate | Guinea pig | Not classified |
| Sodium Silicate | Mouse | Not classified |
| Amorphous Silica | Human and animal | Not classified |
| 4,4'-Isopropylidenediphenol-Epichlorohydrin Polymer | Human and animal | Sensitizing |
| Rosin | Guinea pig | Sensitizing |

Respiratory Sensitization

| Name | Species | Value |
|---|---------|----------------|
| 4,4'-Isopropylidenediphenol-Epichlorohydrin Polymer | Human | Not classified |
| Rosin | Human | Not classified |

Germ Cell Mutagenicity

| Name | Route | Value |
|---|----------|--|
| Zinc Borate | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| Sodium Silicate | In Vitro | Not mutagenic |
| Sodium Silicate | In vivo | Not mutagenic |
| Glass Wool | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| Amorphous Silica | In Vitro | Not mutagenic |
| 4,4'-Isopropylidenediphenol-Epichlorohydrin Polymer | In vivo | Not mutagenic |
| 4,4'-Isopropylidenediphenol-Epichlorohydrin Polymer | In Vitro | Some positive data exist, but the data are not sufficient for classification |

Carcinogenicity

| Name | Route | Species | Value |
|---|---------------|-------------------------|--|
| Glass Wool | Inhalation | Multiple animal species | Some positive data exist, but the data are not sufficient for classification |
| Amorphous Silica | Not Specified | Mouse | Some positive data exist, but the data are not sufficient for classification |
| 4,4'-Isopropylidenediphenol-Epichlorohydrin Polymer | Dermal | Mouse | Some positive data exist, but the data are not sufficient for classification |

Reproductive Toxicity**Reproductive and/or Developmental Effects**

| Name | Route | Value | Species | Test Result | Exposure Duration |
|---|-----------|--|---------|-----------------------|----------------------|
| Zinc Borate | Ingestion | Toxic to male reproduction | Rat | NOAEL 100 mg/kg/day | 92 days |
| Zinc Borate | Ingestion | Toxic to development | Rat | LOAEL 100 mg/kg/day | during gestation |
| Sodium Silicate | Ingestion | Not classified for development | Mouse | NOAEL 200 mg/kg/day | during gestation |
| Amorphous Silica | Ingestion | Not classified for female reproduction | Rat | NOAEL 509 mg/kg/day | 1 generation |
| Amorphous Silica | Ingestion | Not classified for male reproduction | Rat | NOAEL 497 mg/kg/day | 1 generation |
| Amorphous Silica | Ingestion | Not classified for development | Rat | NOAEL 1,350 mg/kg/day | during organogenesis |
| 4,4'-Isopropylidenediphenol-Epichlorohydrin Polymer | Ingestion | Not classified for female reproduction | Rat | NOAEL 750 mg/kg/day | 2 generation |
| 4,4'-Isopropylidenediphenol-Epichlorohydrin Polymer | Ingestion | Not classified for male reproduction | Rat | NOAEL 750 mg/kg/day | 2 generation |
| 4,4'-Isopropylidenediphenol-Epichlorohydrin Polymer | Dermal | Not classified for development | Rabbit | NOAEL 300 mg/kg/day | during organogenesis |
| 4,4'-Isopropylidenediphenol-Epichlorohydrin Polymer | Ingestion | Not classified for development | Rat | NOAEL 750 mg/kg/day | 2 generation |

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

| Name | Route | Target Organ(s) | Value | Species | Test Result | Exposure Duration |
|-----------------|------------|------------------------|--|-------------------------|---------------------|-------------------|
| Zinc Borate | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | similar health hazards | NOAEL Not available | |
| Sodium Silicate | Inhalation | respiratory irritation | May cause respiratory irritation | official classification | NOAEL Not available | |

Specific Target Organ Toxicity - repeated exposure

| Name | Route | Target Organ(s) | Value | Species | Test Result | Exposure Duration |
|-------------|------------|---|----------------|---------|-----------------|-------------------|
| Zinc Borate | Inhalation | immune system respiratory system heart endocrine system hematopoietic system liver nervous system kidney and/or bladder | Not classified | Rat | NOAEL 0.15 mg/l | 2 weeks |
| Zinc Borate | Ingestion | endocrine system | Not classified | Rat | NOAEL 375 | 92 days |

| | | | | | | |
|---|------------|--|--|-------|-----------------------|-----------------------|
| | | liver kidney and/or bladder heart skin bone, teeth, nails, and/or hair hematopoietic system immune system nervous system eyes respiratory system vascular system | | | mg/kg/day | |
| Sodium Silicate | Ingestion | kidney and/or bladder | Some positive data exist, but the data are not sufficient for classification | Dog | LOAEL 2,400 mg/kg/day | 4 weeks |
| Sodium Silicate | Ingestion | endocrine system blood | Not classified | Rat | NOAEL 804 mg/kg/day | 3 months |
| Sodium Silicate | Ingestion | heart liver | Not classified | Rat | NOAEL 1,259 mg/kg/day | 8 weeks |
| Polybutylene | Inhalation | respiratory system | Some positive data exist, but the data are not sufficient for classification | Rat | NOAEL 0.07 mg/l | 2 weeks |
| Polybutylene | Inhalation | liver | Not classified | Rat | NOAEL 0.7 mg/l | 2 weeks |
| Glass Wool | Inhalation | respiratory system | Not classified | Human | NOAEL not available | occupational exposure |
| Amorphous Silica | Inhalation | respiratory system silicosis | Not classified | Human | NOAEL Not available | occupational exposure |
| 4,4'-Isopropylidenediphenol-Epichlorohydrin Polymer | Dermal | liver | Not classified | Rat | NOAEL 1,000 mg/kg/day | 2 years |
| 4,4'-Isopropylidenediphenol-Epichlorohydrin Polymer | Dermal | nervous system | Not classified | Rat | NOAEL 1,000 mg/kg/day | 13 weeks |
| 4,4'-Isopropylidenediphenol-Epichlorohydrin Polymer | Ingestion | auditory system heart endocrine system hematopoietic system liver eyes kidney and/or bladder | Not classified | Rat | NOAEL 1,000 mg/kg/day | 28 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 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 halogen acid (HCl/HF/HBr). Facility must be capable of handling halogenated materials. 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. US Federal Regulations

Contact 3M for more information.

EPCRA 311/312 Hazard Classifications:

Physical Hazards

Not applicable

Health Hazards

Reproductive toxicity

Respiratory or Skin Sensitization

Serious eye damage or eye irritation

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

| <u>Ingredient</u> | <u>C.A.S. No</u> | <u>% by Wt</u> |
|------------------------------|------------------|----------------|
| Zinc Borate (ZINC COMPOUNDS) | 138265-88-0 | 10 - 30 |

15.2. State Regulations

Contact 3M for more information.

15.3. Chemical Inventories

The components of this material are in compliance with the China "Measures on Environmental Management of New Chemical Substance". Certain restrictions may apply. Contact the selling division for additional information.

The components of this material are in compliance with the provisions of the Korean Toxic Chemical Control Law. Certain restrictions may apply. Contact the selling division for additional information.

The components of this product are in compliance with the chemical notification requirements of TSCA.

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.

| | | | |
|------------------------|-----------|-------------------------|----------|
| Document Group: | 16-0641-7 | Version Number: | 14.02 |
| Issue Date: | 01/19/18 | Supersedes Date: | 05/16/16 |

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