



Safety Data Sheet

Copyright, 2020, 3M Company.

All rights reserved. Copying and/or downloading of this information for the purpose of properly utilizing 3M products is allowed provided that: (1) the information is copied in full with no changes unless prior written agreement is obtained from 3M, and (2) neither the copy nor the original is resold or otherwise distributed with the intention of earning a profit thereon.

| | | | |
|------------------------|-----------|-------------------------|----------|
| Document Group: | 10-2674-9 | Version Number: | 27.01 |
| Issue Date: | 03/11/20 | Supersedes Date: | 12/07/17 |

SECTION 1: Identification

1.1. Product identifier

3M™ Scotch-Weld™ Epoxy Adhesive 2214 Hi-Temp Gray

Product Identification Numbers

| ID Number | UPC | ID Number | UPC |
|----------------|------------------|----------------|-----|
| 62-3402-2930-1 | 00-21200-20806-5 | 62-3402-8530-3 | |
| 7000121274 | | | |

1.2. Recommended use and restrictions on use

Recommended use

Structural adhesive

1.3. Supplier's details

| | |
|----------------------|---|
| MANUFACTURER: | 3M |
| DIVISION: | Industrial Adhesives and Tapes Division |
| ADDRESS: | 3M Center, St. Paul, MN 55144-1000, USA |
| Telephone: | 1-888-3M HELPS (1-888-364-3577) |

1.4. Emergency telephone number

1-800-364-3577 or (651) 737-6501 (24 hours)

SECTION 2: Hazard identification

2.1. Hazard classification

Self-Reactive: Type E.
 Acute Toxicity (oral): Category 4.
 Serious Eye Damage/Irritation: Category 2A.
 Skin Corrosion/Irritation: Category 2.
 Skin Sensitizer: Category 1.
 Germ Cell Mutagenicity: Category 2.

2.2. Label elements

Signal word

Warning

Symbols

Flame | Exclamation mark | Health Hazard |

Pictograms**Hazard Statements**

Heating may cause a fire.

Harmful if swallowed.

Causes serious eye irritation.

Causes skin irritation.

May cause an allergic skin reaction.

Suspected of causing genetic defects.

Precautionary Statements**Prevention:**

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Keep only in original container.

Avoid breathing dust/fume/gas/mist/vapors/spray.

Wear protective gloves and eye/face protection.

Do not eat, drink or smoke when using this product.

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.

Take off contaminated clothing and wash it before reuse.

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

Rinse mouth.

IF exposed or concerned: Get medical advice/attention.

In case of fire: Use a fire fighting agent suitable for flammable liquids such as dry chemical or carbon dioxide to extinguish.

Storage:

Keep cool.

Store at temperatures not exceeding 5C/40F.

Store locked up in a well-ventilated place.

Store away from other materials.

Disposal:

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

1% of the mixture consists of ingredients of unknown acute dermal toxicity.

SECTION 3: Composition/information on ingredients

| Ingredient | C.A.S. No. | % by Wt |
|------------------------------------|---------------|------------------------|
| Aluminum Pigments | 7429-90-5 | 10 - 30 Trade Secret * |
| Epoxy Resin 1 | 25068-38-6 | 10 - 30 Trade Secret * |
| Epoxy Resin 2 | 5026-74-4 | 10 - 30 Trade Secret * |
| Dicyandiamide | 461-58-5 | 1 - 10 Trade Secret * |
| Epoxy Resin 3 | 2425-79-8 | 1 - 10 Trade Secret * |
| Clay (NJTS Reg. No. 04499600-7157) | Trade Secret* | 1 - 10 Trade Secret * |
| Amorphous Silica | 67762-90-7 | 1 - 5 Trade Secret * |
| Epoxy Resin 4 | 14228-73-0 | 1 - 5 Trade Secret * |
| para-Chlorophenyl-Dimethylurea | 150-68-5 | 1 - 5 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

In case of fire: Use a fire fighting agent suitable for flammable liquids such as dry chemical or carbon dioxide to extinguish.

5.2. Special hazards arising from the substance or mixture

None inherent in this product.

Hazardous Decomposition or By-Products

Substance

Aldehydes
 Chlorine
 Carbon monoxide
 Carbon dioxide
 Hydrogen Chloride
 Hydrogen Cyanide
 Ammonia
 Oxides of Nitrogen

Condition

During Combustion
 During Combustion
 During Combustion
 During Combustion
 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. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use only non-sparking tools. Ventilate the area with fresh air. Warning! A motor could be an ignition source and could cause flammable gases or vapors in the spill area to burn or explode. 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 using non-sparking tools. 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

Avoid skin contact with hot material. For industrial/occupational use only. Not for consumer sale or use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. 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. 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 in a well-ventilated place. Keep cool. Store at temperatures not exceeding 5C/40F. Keep only in original container. Store away from acids. Store away from strong bases. Store away from oxidizing agents. Store away from other materials. Keep/store away from clothing and other combustible materials.

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

| | | | | |
|--------------------------------|------------|-------------------------|---|--------------------------------|
| para-Chlorophenyl-Dimethylurea | 150-68-5 | Manufacturer determined | TWA(Inhalable aerosol):1 mg/m3 | |
| SILICA, AMORPHOUS | 67762-90-7 | OSHA | TWA concentration:0.8 mg/m3;TWA:20 millions of particles/cu. ft. | |
| DUST, INERT OR NUISANCE | 7429-90-5 | OSHA | TWA(as total dust):15 mg/m3;TWA(as total dust):50 millions of particles/cu. ft.(15 mg/m3);TWA(respirable fraction):15 millions of particles/cu. ft.(5 mg/m3);TWA(respirable fraction):5 mg/m3 | |
| Aluminum Pigments | 7429-90-5 | OSHA | TWA(as Al total dust):15 mg/m3;TWA(as Al, respirable fraction):5 mg/m3 | |
| Aluminum Pigments | 7429-90-5 | ACGIH | TWA(respirable fraction):1 mg/m3 | A4: Not class. as human carcin |

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

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.

Thermal hazards

Wear heat insulating gloves when handling hot material to prevent thermal burns.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

| | |
|--|---|
| Appearance | |
| Physical state | Solid |
| Color | Gray |
| Specific Physical Form: | Paste |
| Odor | Epoxy |
| Odor threshold | <i>No Data Available</i> |
| pH | <i>Not Applicable</i> |
| Melting point | <i>Not Applicable</i> |
| Boiling Point | >=260 °C |
| Flash Point | >=480 °F [<i>Test Method</i> :Closed Cup] |
| Evaporation rate | <i>Not Applicable</i> |
| Flammability (solid, gas) | Self-Reactive: Type E. |
| 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 | 1.5 g/ml |
| Specific Gravity | 1.5 [<i>Ref Std</i> :WATER=1] |
| Solubility in Water | Negligible |
| Solubility- non-water | <i>No Data Available</i> |
| Partition coefficient: n-octanol/ water | <i>No Data Available</i> |
| Autoignition temperature | <i>No Data Available</i> |
| Decomposition temperature | <i>No Data Available</i> |
| Viscosity | >=800,000 centipoise [<i>@ 73.4 °F</i>] [<i>Test Method</i> :Brookfield] |
| Hazardous Air Pollutants | 0 % weight [<i>Test Method</i> :Calculated] |
| Molecular weight | <i>No Data Available</i> |
| Percent volatile | 0.0 % volume |
| VOC Less H2O & Exempt Solvents | 0 g/l [<i>Test Method</i> :calculated SCAQMD rule 443.1] |

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

Avoid curing large quantities of material to prevent a premature reaction (exotherm) with production of intense heat and smoke.

10.5. Incompatible materials

Strong oxidizing agents

Strong acids
Strong bases

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.

May cause additional health effects (see below).

Skin Contact:

Skin Irritation: Signs/symptoms may include localized redness, swelling, itching, dryness, cracking, blistering, and pain.

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

May cause additional health effects (see below).

Eye Contact:

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

Ingestion:

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:

Genotoxicity:

Genotoxicity and Mutagenicity: May interact with genetic material and possibly alter gene expression.

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 ATE300 - 2,000 mg/kg |
| Epoxy Resin 1 | Dermal | Rat | LD50 > 1,600 mg/kg |
| Epoxy Resin 1 | Ingestion | Rat | LD50 > 1,000 mg/kg |
| Epoxy Resin 2 | Dermal | Rabbit | LD50 > 4,000 mg/kg |
| Epoxy Resin 2 | Ingestion | Rat | LD50 500-5000 mg/kg |
| Aluminum Pigments | Dermal | | LD50 estimated to be > 5,000 mg/kg |
| Aluminum Pigments | Ingestion | | LD50 estimated to be > 5,000 mg/kg |
| Aluminum Pigments | Inhalation-Dust/Mist (4 hours) | Rat | LC50 > 0.888 mg/l |
| Dicyandiamide | Dermal | Rabbit | LD50 > 10,000 mg/kg |
| Dicyandiamide | Ingestion | Rat | LD50 > 30,000 mg/kg |
| Epoxy Resin 3 | Dermal | Rabbit | LD50 1,130 mg/kg |
| Epoxy Resin 3 | Inhalation-Dust/Mist (4 hours) | Rat | LC50 > 11.3 mg/l |
| Epoxy Resin 3 | Ingestion | Rat | LD50 1,134 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 |
| para-Chlorophenyl-Dimethylurea | Dermal | Rabbit | LD50 > 2,500 mg/kg |
| para-Chlorophenyl-Dimethylurea | Ingestion | Rat | LD50 1,480 mg/kg |
| Epoxy Resin 4 | Ingestion | Rat | LD50 1,000 mg/kg |

ATE = acute toxicity estimate

Skin Corrosion/Irritation

| Name | Species | Value |
|--------------------------------|-------------------|---------------------------|
| Epoxy Resin 1 | Rabbit | Mild irritant |
| Epoxy Resin 2 | Rabbit | Irritant |
| Aluminum Pigments | Rabbit | No significant irritation |
| Dicyandiamide | Human and animal | Minimal irritation |
| Amorphous Silica | Rabbit | No significant irritation |
| para-Chlorophenyl-Dimethylurea | similar compounds | Mild irritant |
| Epoxy Resin 4 | In vitro data | Irritant |

Serious Eye Damage/Irritation

| Name | Species | Value |
|--------------------------------|------------------------|---------------------------|
| Epoxy Resin 1 | Rabbit | Moderate irritant |
| Epoxy Resin 2 | Rabbit | Severe irritant |
| Aluminum Pigments | Rabbit | No significant irritation |
| Dicyandiamide | Professional judgement | Mild irritant |
| Amorphous Silica | Rabbit | No significant irritation |
| para-Chlorophenyl-Dimethylurea | similar compounds | Moderate irritant |
| Epoxy Resin 4 | In vitro data | No significant irritation |

Skin Sensitization

| Name | Species | Value |
|-------------------|-------------------|----------------|
| Epoxy Resin 1 | Human and animal | Sensitizing |
| Epoxy Resin 2 | Guinea pig | Sensitizing |
| Aluminum Pigments | Guinea pig | Not classified |
| Dicyandiamide | Guinea pig | Not classified |
| Amorphous Silica | Human and animal | Not classified |
| Epoxy Resin 4 | similar compounds | Sensitizing |

Respiratory Sensitization

| Name | Species | Value |
|-------------------|---------|----------------|
| Epoxy Resin 1 | Human | Not classified |
| Aluminum Pigments | Human | Not classified |

Germ Cell Mutagenicity

| Name | Route | Value |
|--------------------------------|----------|--|
| Epoxy Resin 1 | In vivo | Not mutagenic |
| Epoxy Resin 1 | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| Epoxy Resin 2 | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| Epoxy Resin 2 | In vivo | Mutagenic |
| Aluminum Pigments | In Vitro | Not mutagenic |
| Dicyandiamide | In Vitro | Not mutagenic |
| Amorphous Silica | In Vitro | Not mutagenic |
| para-Chlorophenyl-Dimethylurea | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| para-Chlorophenyl-Dimethylurea | In vivo | Some positive data exist, but the data are not sufficient for classification |
| Epoxy Resin 4 | In Vitro | Mutagenic; structurally related to germ cell mutagens |

Carcinogenicity

| Name | Route | Species | Value |
|--------------------------------|---------------|---------|--|
| Epoxy Resin 1 | Dermal | Mouse | Some positive data exist, but the data are not sufficient for classification |
| Dicyandiamide | Ingestion | Rat | Not carcinogenic |
| Amorphous Silica | Not Specified | Mouse | Some positive data exist, but the data are not sufficient for classification |
| para-Chlorophenyl-Dimethylurea | Ingestion | Rat | 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 |
|---------------|-----------|--|---------|---------------------|----------------------|
| Epoxy Resin 1 | Ingestion | Not classified for female reproduction | Rat | NOAEL 750 mg/kg/day | 2 generation |
| Epoxy Resin 1 | Ingestion | Not classified for male reproduction | Rat | NOAEL 750 mg/kg/day | 2 generation |
| Epoxy Resin 1 | Dermal | Not classified for development | Rabbit | NOAEL 300 mg/kg/day | during organogenesis |

| | | | | | |
|--------------------------------|-----------|--|-------|-----------------------|--------------------------------|
| Epoxy Resin 1 | Ingestion | Not classified for development | Rat | NOAEL 750 mg/kg/day | 2 generation |
| Dicyandiamide | Ingestion | Not classified for female reproduction | Rat | NOAEL 1,000 mg/kg/day | prematuring & during gestation |
| Dicyandiamide | Ingestion | Not classified for male reproduction | Rat | NOAEL 1,000 mg/kg/day | 44 days |
| Dicyandiamide | Ingestion | Not classified for development | Rat | NOAEL 1,000 mg/kg/day | prematuring & 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 |
| para-Chlorophenyl-Dimethylurea | Ingestion | Not classified for development | Mouse | LOAEL 215 mg/kg/day | during gestation |

Target Organ(s)

Specific Target Organ Toxicity - single exposure

| Name | Route | Target Organ(s) | Value | Species | Test Result | Exposure Duration |
|--------------------------------|------------|------------------------|--|------------------------|---------------------|-------------------|
| para-Chlorophenyl-Dimethylurea | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | similar compounds | NOAEL Not available | |
| para-Chlorophenyl-Dimethylurea | Ingestion | methemoglobinemia | Some positive data exist, but the data are not sufficient for classification | Rat | NOAEL Not available | not applicable |
| Epoxy Resin 4 | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | similar health hazards | NOAEL Not available | |

Specific Target Organ Toxicity - repeated exposure

| Name | Route | Target Organ(s) | Value | Species | Test Result | Exposure Duration |
|--------------------------------|------------|--|--|---------|-----------------------|-----------------------|
| Epoxy Resin 1 | Dermal | liver | Not classified | Rat | NOAEL 1,000 mg/kg/day | 2 years |
| Epoxy Resin 1 | Dermal | nervous system | Not classified | Rat | NOAEL 1,000 mg/kg/day | 13 weeks |
| Epoxy Resin 1 | 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 |
| Aluminum Pigments | Inhalation | nervous system respiratory system | Not classified | Human | NOAEL Not available | occupational exposure |
| Dicyandiamide | Ingestion | kidney and/or bladder | Not classified | Rat | NOAEL 6,822 mg/kg/day | 13 weeks |
| Amorphous Silica | Inhalation | respiratory system silicosis | Not classified | Human | NOAEL Not available | occupational exposure |
| para-Chlorophenyl-Dimethylurea | Ingestion | liver | Some positive data exist, but the data are not sufficient for classification | Mouse | LOAEL 800 mg/kg/day | 103 weeks |
| para-Chlorophenyl-Dimethylurea | Ingestion | kidney and/or bladder | Not classified | Rat | LOAEL 65 mg/kg/day | 103 weeks |
| para-Chlorophenyl-Dimethylurea | Ingestion | immune system | Not classified | Rat | LOAEL 520 mg/kg/day | 13 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. 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.

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

Self-reactive

Health Hazards

Acute toxicity

Germ cell mutagenicity

Respiratory or Skin Sensitization

Serious eye damage or eye irritation

Skin Corrosion or 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> |
|--------------------------------|------------------|----------------------|
| para-Chlorophenyl-Dimethylurea | 150-68-5 | Trade Secret 1 - 5 |
| Aluminum Pigments | 7429-90-5 | Trade Secret 10 - 30 |
| Aluminum Pigments (Aluminum) | 7429-90-5 | 10 - 30 |

This material contains a chemical which requires export notification under TSCA Section 12[b]:

| <u>Ingredient (Category if applicable)</u> | <u>C.A.S. No</u> | <u>Regulation</u> | <u>Status</u> |
|--|------------------|--|---------------|
| Epoxy Resin 2 | 5026-74-4 | Toxic Substances Control Act (TSCA) 4 Test Rule Chemicals | Applicable |

15.2. State Regulations

Contact 3M for more information.

15.3. Chemical Inventories

The components of this product are in compliance with the chemical notification requirements of TSCA. All required components of this product are listed on the active portion of the TSCA Inventory.

Contact 3M for more information.

15.4. International Regulations

Contact 3M for more information.

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

SECTION 16: Other information

NFPA Hazard Classification

Health: 2 Flammability: 1 Instability: 1 Special Hazards: None

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

| | | | |
|------------------------|-----------|-------------------------|----------|
| Document Group: | 10-2674-9 | Version Number: | 27.01 |
| Issue Date: | 03/11/20 | Supercedes Date: | 12/07/17 |

DISCLAIMER: The information in this Safety Data Sheet (SDS) is believed to be correct as of the date issued. 3M MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE. User is responsible for determining whether the 3M product is fit for a particular purpose and suitable for user's method of use or application. Given the variety of factors that can affect the use and application of a 3M product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for user's method of use or application.

3M provides information in electronic form as a service to its customers. Due to the remote possibility that electronic transfer may have resulted in errors, omissions or alterations in this information, 3M makes no representations as to its completeness

or accuracy. In addition, information obtained from a database may not be as current as the information in the SDS available directly from 3M.

3M USA SDSs are available at www.3M.com