



## Safety Data Sheet

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|                        |           |                         |          |
|------------------------|-----------|-------------------------|----------|
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### SECTION 1: Identification

#### 1.1. Product identifier

3M™ Scotch-Weld™ Low Odor Acrylic Adhesive DP810NS Tan and Low Odor Acrylic Adhesive 810NS Tan, Part B

#### Product Identification Numbers

| ID Number      | UPC              | ID Number | UPC |
|----------------|------------------|-----------|-----|
| 62-2799-8730-9 | 00-21200-49085-9 |           |     |

7000121240

#### 1.2. Recommended use and restrictions on use

##### Recommended use

Structural adhesive

#### 1.3. Supplier's details

|                      |   |
|----------------------|---|
| <b>MANUFACTURER:</b> | 3M                                      |
| <b>DIVISION:</b>     | Industrial Adhesives and Tapes Division |
| <b>ADDRESS:</b>      | 3M Center, St. Paul, MN 55144-1000, USA |
| <b>Telephone:</b>    | 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 1.

Skin Corrosion/Irritation: Category 2.

Skin Sensitizer: Category 1.

#### 2.2. Label elements

##### Signal word

Danger

##### Symbols

Corrosion | Exclamation mark |

##### Pictograms

**Hazard Statements**

Causes serious eye damage.  
Causes skin irritation.  
May cause an allergic skin reaction.

**Precautionary Statements****Prevention:**

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 ON SKIN: Wash with plenty of soap and water.  
Immediately call a POISON CENTER or doctor/physician.  
If skin irritation or rash occurs: Get medical advice/attention.  
Take off contaminated clothing and wash it before reuse.

**Disposal:**

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

3% of the mixture consists of ingredients of unknown acute dermal toxicity.

**SECTION 3: Composition/information on ingredients**

| Ingredient                                     | C.A.S. No. | % by Wt                |
|--|------------|------------------------|
| Phenoxyethyl Methacrylate                      | 10595-06-9 | 10 - 40 Trade Secret * |
| 2-Hydroxyethyl Methacrylate                    | 868-77-9   | 10 - 30 Trade Secret * |
| Hydroxypropyl Methacrylate                     | 27813-02-1 | 10 - 30 Trade Secret * |
| Acrylate Oligomer                              | 41637-38-1 | 5 - 20 Trade Secret *  |
| Acrylonitrile-Butadiene Polymer                | 9010-81-5  | 5 - 20 Trade Secret *  |
| Methyl Methacrylate- Butadiene-Styrene Polymer | 25101-28-4 | 5 - 20 Trade Secret *  |
| Modified Silica                                | 68611-44-9 | 1 - 10 Trade Secret *  |
| 2-Hydroxyethyl Methacrylate Phosphate          | 52628-03-2 | < 4 Trade Secret *     |
| 4-Methoxyphenol                                | 150-76-5   | < 1 Trade Secret *     |
| Phenothiazine                                  | 92-84-2    | < 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:**

Immediately flush with large amounts of water for at least 15 minutes. Remove contact lenses if easy to do. Continue rinsing. Immediately get medical attention.

**If Swallowed:**

Rinse mouth. If you feel unwell, get medical attention.

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

Allergic skin reaction (redness, swelling, blistering, and itching). Serious damage to the eyes (corneal cloudiness, severe pain, tearing, ulcerations, and significantly impaired or loss of vision).

**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**

Closed containers exposed to heat from fire may build pressure and explode.

**Hazardous Decomposition or By-Products**

| <u>Substance</u>              | <u>Condition</u>  |
|-------------------------------|-------------------|
| Carbon monoxide               | During Combustion |
| Carbon dioxide                | During Combustion |
| Hydrogen Chloride             | During Combustion |
| Oxides of Nitrogen            | During Combustion |
| Toxic Vapor, Gas, Particulate | 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. 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. For larger spills, cover drains and build dikes to prevent entry into sewer systems or bodies of water.

**6.3. Methods and material for containment and cleaning up**

Contain spill. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Remember, adding an absorbent material does not remove a physical, health, or environmental hazard. 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

For industrial/occupational use only. Not for consumer sale or use. Do not use in a confined area with minimal air exchange. 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. Keep away from reactive metals (eg. Aluminum, zinc etc.) to avoid the formation of hydrogen gas that could create an explosion hazard.

### 7.2. Conditions for safe storage including any incompatibilities

Store away from heat. Store away from amines.

## 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            |
|-------------------|------------|--------|--|--------------------------------|
| 4-Methoxyphenol   | 150-76-5   | ACGIH  | TWA:5 mg/m3  |                                |
| SILICA, AMORPHOUS | 68611-44-9 | OSHA   | TWA:20 millions of particles/cu. ft.;TWA concentration:0.8 mg/m3 |                                |
| Phenothiazine     | 92-84-2    | ACGIH  | TWA:5 mg/m3  | Danger of cutaneous absorption |

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:

Full Face Shield

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.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

#### Appearance

Physical state

Liquid

Color

Green

Specific Physical Form:

Paste

Odor

Methacrylate

Odor threshold

*No Data Available*

pH

*Not Applicable*

Melting point

*Not Applicable*

Boiling Point

87 °C

Flash Point

> 200 °F [*Test Method: Closed Cup*]

Evaporation rate

*No Data Available*

Flammability (solid, gas)

Not Applicable

Flammable Limits(LEL)

*No Data Available*

Flammable Limits(UEL)

*No Data Available*

Vapor Pressure

<=0.1 mmHg

Vapor Density

*No Data Available*

Density

1.07 g/ml

Specific Gravity

1.07 [*Ref Std: WATER=1*]

Solubility in Water

Slight (less than 10%)

Solubility- non-water

*No Data Available*

Partition coefficient: n-octanol/ water

*No Data Available*

Autoignition temperature

*No Data Available*

Decomposition temperature

*No Data Available*

Viscosity

90,000 centipoise

Hazardous Air Pollutants

< 40 % weight [*Test Method: Calculated*]

Molecular weight

*No Data Available*

VOC Less H2O & Exempt Solvents

3.1 g/l [*Details: when used as intended with Part A*]

VOC Less H2O & Exempt Solvents

0.3 % [*Details: when used as intended with Part A*]

VOC Less H2O & Exempt Solvents

319 g/l [*Details: as supplied*]

## 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 may occur.

### 10.4. Conditions to avoid

Heat

Sparks and/or flames

Heat is generated during cure. Do not cure a mass larger than 50 grams in a confined space to prevent a premature exothermic reaction with production of intense heat and smoke.

### 10.5. Incompatible materials

Amines

Reducing agents

Reactive metals

### 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:

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.

Photosensitization: Signs/symptoms may include a sunburn-like reaction such as blistering, redness, swelling, and itching from minor exposure to sunlight.

#### Eye Contact:

Corrosive (Eye Burns): Signs/symptoms may include cloudy appearance of the cornea, chemical burns, severe pain, tearing, ulcerations, significantly impaired vision or complete loss of vision.

#### Ingestion:

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 ATE >5,000 mg/kg |
| Phenoxyethyl Methacrylate                      | Dermal                         |         | LD50 estimated to be 2,000 - 5,000 mg/kg       |
| Phenoxyethyl Methacrylate                      | Ingestion                      |         | LD50 estimated to be 2,000 - 5,000 mg/kg       |
| 2-Hydroxyethyl Methacrylate                    | Dermal                         | Rabbit  | LD50 > 5,000 mg/kg                             |
| 2-Hydroxyethyl Methacrylate                    | Ingestion                      | Rat     | LD50 5,564 mg/kg                               |
| Methyl Methacrylate- Butadiene-Styrene Polymer | Dermal                         |         | LD50 estimated to be > 5,000 mg/kg             |
| Hydroxypropyl Methacrylate                     | Dermal                         | Rabbit  | LD50 > 5,000 mg/kg                             |
| Hydroxypropyl Methacrylate                     | Ingestion                      | Rat     | LD50 > 11,200 mg/kg                            |
| Methyl Methacrylate- Butadiene-Styrene Polymer | Ingestion                      | Rat     | LD50 > 5,000 mg/kg                             |
| Acrylonitrile-Butadiene Polymer                | Dermal                         |         | LD50 estimated to be > 5,000 mg/kg             |
| Acrylonitrile-Butadiene Polymer                | Ingestion                      |         | LD50 estimated to be 2,000 - 5,000 mg/kg       |
| Acrylate Oligomer                              | Dermal                         | Rat     | LD50 > 2,000 mg/kg                             |
| Acrylate Oligomer                              | Ingestion                      | Rat     | LD50 > 2,000 mg/kg                             |
| Modified Silica                                | Dermal                         | Rabbit  | LD50 > 5,000 mg/kg                             |
| Modified Silica                                | Inhalation-Dust/Mist (4 hours) | Rat     | LC50 > 0.691 mg/l                              |
| Modified Silica                                | Ingestion                      | Rat     | LD50 > 5,110 mg/kg                             |
| 2-Hydroxyethyl Methacrylate Phosphate          | Ingestion                      | Rat     | LD50 > 2,000 mg/kg                             |
| 4-Methoxyphenol                                | Dermal                         | Rat     | LD50 > 2,000 mg/kg                             |
| 4-Methoxyphenol                                | Ingestion                      | Rat     | LD50 1,630 mg/kg                               |
| Phenothiazine                                  | Dermal                         | Rat     | LD50 > 2,000 mg/kg                             |
| Phenothiazine                                  | Ingestion                      | Rat     | LD50 1,370 mg/kg                               |

ATE = acute toxicity estimate

**Skin Corrosion/Irritation**

| Name                                  | Species                | Value                     |
|---------------------------------------|------------------------|---------------------------|
| 2-Hydroxyethyl Methacrylate           | Rabbit                 | Minimal irritation        |
| Phenoxyethyl Methacrylate             | similar compounds      | Irritant                  |
| Hydroxypropyl Methacrylate            | Rabbit                 | Minimal irritation        |
| Acrylate Oligomer                     | In vitro data          | No significant irritation |
| Acrylonitrile-Butadiene Polymer       | Professional judgement | No significant irritation |
| Modified Silica                       | Rabbit                 | No significant irritation |
| 2-Hydroxyethyl Methacrylate Phosphate | Rabbit                 | Corrosive                 |
| 4-Methoxyphenol                       | Rabbit                 | Mild irritant             |
| Phenothiazine                         | Rabbit                 | No significant irritation |

**Serious Eye Damage/Irritation**

| Name                            | Species                | Value                     |
|---------------------------------|------------------------|---------------------------|
| 2-Hydroxyethyl Methacrylate     | Rabbit                 | Moderate irritant         |
| Phenoxyethyl Methacrylate       | similar compounds      | Severe irritant           |
| Hydroxypropyl Methacrylate      | Rabbit                 | Moderate irritant         |
| Acrylate Oligomer               | In vitro data          | No significant irritation |
| Acrylonitrile-Butadiene Polymer | Professional judgement | No significant irritation |

|                                       |                        |                           |
|---------------------------------------|------------------------|---------------------------|
|                                       | nt                     |                           |
| Modified Silica                       | Rabbit                 | No significant irritation |
| 2-Hydroxyethyl Methacrylate Phosphate | similar health hazards | Corrosive                 |
| 4-Methoxyphenol                       | Rabbit                 | Severe irritant           |
| Phenothiazine                         | Rabbit                 | Mild irritant             |

### Skin Sensitization

| Name                                  | Species                 | Value          |
|---------------------------------------|-------------------------|----------------|
| 2-Hydroxyethyl Methacrylate           | Human and animal        | Sensitizing    |
| Hydroxypropyl Methacrylate            | Human and animal        | Sensitizing    |
| Acrylate Oligomer                     | Multiple animal species | Not classified |
| Modified Silica                       | Human and animal        | Not classified |
| 2-Hydroxyethyl Methacrylate Phosphate | Mouse                   | Sensitizing    |
| 4-Methoxyphenol                       | Guinea pig              | Sensitizing    |
| Phenothiazine                         | Guinea pig              | Sensitizing    |

### Photosensitization

| Name          | Species | Value       |
|---------------|---------|-------------|
| Phenothiazine | Human   | Sensitizing |

### Respiratory Sensitization

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

### Germ Cell Mutagenicity

| Name                                  | Route    | Value  |
|---------------------------------------|----------|--|
| 2-Hydroxyethyl Methacrylate           | In vivo  | Not mutagenic  |
| 2-Hydroxyethyl Methacrylate           | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| Phenoxyethyl Methacrylate             | In Vitro | Not mutagenic  |
| Hydroxypropyl Methacrylate            | In vivo  | Not mutagenic  |
| Hydroxypropyl Methacrylate            | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| Acrylate Oligomer                     | In Vitro | Not mutagenic  |
| Modified Silica                       | In Vitro | Not mutagenic  |
| 2-Hydroxyethyl Methacrylate Phosphate | In Vitro | Not mutagenic  |
| 4-Methoxyphenol                       | In vivo  | Not mutagenic  |
| 4-Methoxyphenol                       | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| Phenothiazine                         | In Vitro | Not mutagenic  |
| Phenothiazine                         | In vivo  | Not mutagenic  |

### Carcinogenicity

| Name            | Route         | Species                 | Value  |
|-----------------|---------------|-------------------------|--|
| Modified Silica | Not Specified | Mouse                   | Some positive data exist, but the data are not sufficient for classification |
| 4-Methoxyphenol | Dermal        | Multiple animal species | Not carcinogenic   |
| 4-Methoxyphenol | Ingestion     | Multiple                | Some positive data exist, but the data are not                               |



|  |  |                |                               |
|--|--|----------------|-------------------------------|
|  |  | animal species | sufficient for classification |
|--|--|----------------|-------------------------------|

**Reproductive Toxicity**

**Reproductive and/or Developmental Effects**

| Name                                  | Route     | Value                                  | Species | Test Result           | Exposure Duration              |
|---------------------------------------|-----------|--|---------|-----------------------|--------------------------------|
| 2-Hydroxyethyl Methacrylate           | Ingestion | Not classified for female reproduction | Rat     | NOAEL 1,000 mg/kg/day | prematuring & during gestation |
| 2-Hydroxyethyl Methacrylate           | Ingestion | Not classified for male reproduction   | Rat     | NOAEL 1,000 mg/kg/day | 49 days                        |
| 2-Hydroxyethyl Methacrylate           | Ingestion | Not classified for development         | Rat     | NOAEL 1,000 mg/kg/day | prematuring & during gestation |
| Hydroxypropyl Methacrylate            | Ingestion | Not classified for female reproduction | Rat     | NOAEL 1,000 mg/kg/day | prematuring into lactation     |
| Hydroxypropyl Methacrylate            | Ingestion | Not classified for male reproduction   | Rat     | NOAEL 1,000 mg/kg/day | 49 days                        |
| Hydroxypropyl Methacrylate            | Ingestion | Not classified for development         | Rat     | NOAEL 1,000 mg/kg/day | during gestation               |
| Acrylate Oligomer                     | Ingestion | Not classified for female reproduction | Rat     | NOAEL 1,000 mg/kg/day | prematuring into lactation     |
| Acrylate Oligomer                     | Ingestion | Not classified for male reproduction   | Rat     | NOAEL 1,000 mg/kg/day | 28 days                        |
| Acrylate Oligomer                     | Ingestion | Not classified for development         | Rat     | NOAEL 1,000 mg/kg/day | during gestation               |
| Modified Silica                       | Ingestion | Not classified for female reproduction | Rat     | NOAEL 509 mg/kg/day   | 1 generation                   |
| Modified Silica                       | Ingestion | Not classified for male reproduction   | Rat     | NOAEL 497 mg/kg/day   | 1 generation                   |
| Modified Silica                       | Ingestion | Not classified for development         | Rat     | NOAEL 1,350 mg/kg/day | during organogenesis           |
| 2-Hydroxyethyl Methacrylate Phosphate | Ingestion | Not classified for development         | Rat     | NOAEL 1,000 mg/kg/day | during gestation               |
| 4-Methoxyphenol                       | Ingestion | Not classified for female reproduction | Rat     | NOAEL 300 mg/kg/day   | prematuring into lactation     |
| 4-Methoxyphenol                       | Ingestion | Not classified for male reproduction   | Rat     | NOAEL 300 mg/kg/day   | 28 days                        |
| 4-Methoxyphenol                       | Ingestion | Not classified for development         | Rat     | NOAEL 200 mg/kg/day   | during gestation               |
| Phenothiazine                         | Ingestion | Not classified for development         | Rat     | NOAEL 150 mg/kg/day   | during organogenesis           |

**Target Organ(s)**

**Specific Target Organ Toxicity - single exposure**

| Name                                  | Route      | Target Organ(s)        | Value  | Species                | Test Result         | Exposure Duration |
|---------------------------------------|------------|------------------------|--|------------------------|---------------------|-------------------|
| Hydroxypropyl Methacrylate            | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | similar health hazards | NOAEL Not available |                   |
| 2-Hydroxyethyl Methacrylate Phosphate | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | similar health hazards | NOAEL Not available |                   |
| 4-Methoxyphenol                       | 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 |
|------|-------|-----------------|-------|---------|-------------|-------------------|
|------|-------|-----------------|-------|---------|-------------|-------------------|

|                                       |            |  |  |       |                       |                       |
|---------------------------------------|------------|--|--|-------|-----------------------|-----------------------|
| Hydroxypropyl Methacrylate            | Inhalation | blood  | Not classified   | Rat   | NOAEL 0.5 mg/l        | 21 days               |
| Hydroxypropyl Methacrylate            | Ingestion  | hematopoietic system   heart   endocrine system   liver   immune system   nervous system   kidney and/or bladder | Not classified   | Rat   | NOAEL 1,000 mg/kg/day | 41 days               |
| Acrylate Oligomer                     | Ingestion  | hematopoietic system   liver   immune system   kidney and/or bladder   endocrine system   eyes                   | Not classified   | Rat   | NOAEL 1,000 mg/kg/day | 13 weeks              |
| Modified Silica                       | Inhalation | respiratory system   silicosis   | Not classified   | Human | NOAEL Not available   | occupational exposure |
| 2-Hydroxyethyl Methacrylate Phosphate | Ingestion  | hematopoietic system   kidney and/or bladder   heart   liver   immune system   eyes                              | Not classified   | Rat   | NOAEL 300 mg/kg/day   | 90 days               |
| 4-Methoxyphenol                       | Ingestion  | gastrointestinal tract   | Not classified   | Rat   | LOAEL 300 mg/kg/day   | 28 days               |
| 4-Methoxyphenol                       | Ingestion  | liver   immune system  | Not classified   | Rat   | NOAEL 300 mg/kg/day   | 28 days               |
| 4-Methoxyphenol                       | Ingestion  | kidney and/or bladder  | Not classified   | Rat   | LOAEL 300 mg/kg/day   | 28 days               |
| 4-Methoxyphenol                       | Ingestion  | heart   endocrine system   hematopoietic system   nervous system   respiratory system                            | Not classified   | Rat   | NOAEL 300 mg/kg/day   | 28 days               |
| Phenothiazine                         | Ingestion  | hematopoietic system   | May cause damage to organs though prolonged or repeated exposure | Dog   | NOAEL 18 mg/kg/day    | 13 weeks              |
| Phenothiazine                         | Ingestion  | heart   endocrine system   liver   kidney and/or bladder   respiratory system                                    | Not classified   | Dog   | NOAEL 67 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**

Not applicable

**Health Hazards**

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>       |
|---|------------------|----------------------|
| Phenoxyethyl Methacrylate (GLYCOL ETHERS) | 10595-06-9       | Trade Secret 10 - 40 |

**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:** 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.

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