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Material Safety Data Sheet
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Document id : 16-0852-0 **Issue date** : 2010/02/02
Version : 6.00 **Supersedes date** : 2007/01/11

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Prepared by: Corporate Regulatory Services, 3M Canada Company
Telephone: (800) 364-3577, Fax: (800) 603-7758, Web Site: www.3M.ca

1 Chemical Product and Company Identification

Tradename:

3M(TM) SCOTCH-WELD(TM) LOW ODOR ACRYLIC ADHESIVE DP-810NS

Product ID:

62-2799-1430-3 62-2799-1435-2 62-2799-3530-8 62-2799-3830-2

Intended Use of Product:

This product is a kit or a multipart product which consists of multiple, independently packaged components. An MSDS for each of the WHMIS controlled components is included. An MSDS for non-WHMIS controlled components may also be included. Please do not separate the component MSDSs from this cover page. The document numbers of the MSDSs for components of this product are:

Kit component(s):

16-0795-1 3M(TM) Scotch-Weld(TM) Low Odor Acrylic Adhesive 810NS
(Part B)
16-0802-5 3M(TM) Scotch-Weld(TM) Low Odor Acrylic Adhesive 810NS
B/A (Part A)

Division:
INDUSTRIAL ADHESIVES AND TAPES
3M Canada Company
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Material Safety Data Sheet
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Prepared by: Corporate Regulatory Services, 3M Canada Company
Telephone: (800) 364-3577, Fax: (800) 603-7758, Web Site: www.3M.ca

1 Chemical Product and Company Identification

Tradename:
3M(TM) Scotch-Weld(TM) Low Odor Acrylic Adhesive 810NS (Part B)
Product ID:
62-2799-8730-9
Intended Use of Product:
Structural adhesive
Division:
INDUSTRIAL ADHESIVES AND TAPES

2 Hazards Identification

Critical Hazards:
Severe Eye Irritation: Signs/symptoms may include significant redness, swelling, pain, tearing, cloudy appearance of the cornea, and impaired vision.
Moderate Skin Irritation: Signs/symptoms can include localized redness, swelling, itching, and dryness.
Prolonged or repeated exposure may cause:
Allergic Skin Reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.
See Sections 7 and 11 for further information.

3 Composition/Information on Ingredients

| Ingredient Name | CAS Number | Percentage |
|---|------------|------------|
| PHENOXYETHYL METHACRYLATE | 10595-06-9 | 10 - 30 |
| 2-HYDROXYPROPYL METHACRYLATE | 923-26-2 | 10 - 30 |
| 2-HYDROXYETHYL METHACRYLATE | 868-77-9 | 10 - 30 |
| ACRYLATE OLIGOMER | 41637-38-1 | 5 - 10 |
| ACRYLONITRILE-BUTADIENE POLYMER | 9003-18-3 | 5 - 10 |
| METHYL METHACRYLATE-BUTADIENE-STYRENE POLYMER | 25053-09-2 | 5 - 10 |
| HEMA ACID PHOSPHATE | 52628-03-2 | 1 - 5 |
| AMORPHOUS SILICA | 60842-32-2 | 1 - 5 |

NOTE:

Each percentage is expressed as the ratio of the weight of the ingredient to the weight of the controlled product.

4 First Aid Measures

Instructions for Eye Contact:

Immediately flush eyes with large amounts of water for at least 15 minutes. Get immediate medical attention.

Instructions for Skin Contact:

Remove contaminated clothing and shoes. Immediately flush skin with large amounts of water. Get medical attention. Wash contaminated clothing and clean shoes before reuse.

Instructions for Inhalation:

Remove person to fresh air. If signs/symptoms develop, get medical attention.

Instructions for Ingestion:

Do not induce vomiting. Get immediate medical attention.

5 Fire Fighting Measures

Flash point:

◆ 106 C CC

Lower Explosive Limit (%):

Not Available

Upper Explosive Limit (%):

Not Available

Autoignition temperature:

Not Available

Suitable Extinguishing Media:

Ordinary combustible material. Use fire extinguishers with class A extinguishing agents (e.g., water, foam).

Exposure Hazards during Fire:

No unusual fire or explosion hazards are anticipated.

Combustion Products from Fire:

Carbon monoxide - During Combustion;

Carbon dioxide - During Combustion;
Oxides of Nitrogen - During Combustion;
Toxic Vapour, Gas, Particulate - During Combustion;
Unusual Fire and Explosion Hazards

None known.

Fire Fighting Procedures:

Wear full protective equipment (Bunker Gear) and a self-contained breathing apparatus (SCBA).

| | |
|-------------------------------|---|
| NFPA: Health | 2 |
| NFPA: Fire | 1 |
| NFPA: Reactivity | 0 |
| NFPA: Unusual Reaction Hazard | |

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.

6 Accidental Release Measures

Personal Precautions:

No data available.

Environmental Procedures

No data available.

Methods for cleaning up

No data available.

Spill Response:

Evacuate unprotected and untrained personnel from hazard area. The spill should be cleaned up by qualified personnel. Ventilate the area with fresh air. For larger spills, cover drains and build dikes to prevent entry into sewer systems or bodies of water. Collect as much of the spilled material as possible. 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 MSDS. Collect the resulting residue containing solution. Dispose of collected material as soon as possible.

7 Handling and Storage

Storage Requirements:

Keep container closed when not in use.

Incompatible Materials:

Store away from heat;

Store out of direct sunlight.

Sparks and/or Flames;

Amines;

Reducing agents;

Reactive Metals

Heat is generated during cure. Do not cure a mass larger than 50 grams in a confined space to prevent a premature reaction

(exotherm) with production of intense heat and smoke.

Ventilation:

No data available.

Use Instructions:

For industrial or professional use only.

8 Exposure Controls/Personal Protection

Personal Protection

Eye Protection:

The following should be worn alone or in combination, as appropriate, to prevent eye contact:

Full faceshield

Safety glasses with side shields

Indirect vented goggles;

Hand Protection:

Wear appropriate gloves when handling this material.

The following glove material(s) are recommended:

polyvinyl alcohol;

Skin Protection:

Select and use gloves and/or protective clothing to prevent skin contact based on the results of an exposure assessment. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible materials.

Respiratory Protection:

Avoid breathing of vapours, mists or spray.

Avoid breathing of vapours created during the cure cycle.

Select one of the following approved respirators based on airborne concentration of contaminants and in accordance with regulations:

Half facepiece or fullface air-purifying respirator with organic vapor cartridges.

Half facepiece or fullface air-purifying respirator with organic

vapour cartridges and P100 particulate prefilters;

Ingestion (Prevention):

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water.

Recommended Ventilation:

Use with appropriate local exhaust ventilation.

Provide ventilated enclosure for heat curing.

Curing enclosures must be exhausted to outdoors or to a suitable emission control device.

Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below Occupational Exposure Limits and/or control mist, vapour, or spray. If ventilation is not adequate, use respiratory protection equipment.

Provide appropriate local exhaust ventilation for sanding, grinding or machining.

Ingredient Exposure Data

PHENOXYETHYL METHACRYLATE (10595-06-9)

Specific Ingredient Data

No data available.

LD50 (rat, oral)

No data available.

LC50 (rat, inhalation/4 hours)

No data available.

Exposure Limits

No data available.

2-HYDROXYPROPYL METHACRYLATE (923-26-2)

Specific Ingredient Data

No data available.

LD50 (rat, oral)

No data available.

LC50 (rat, inhalation/4 hours)

No data available.

Exposure Limits

No data available.

2-HYDROXYETHYL METHACRYLATE (868-77-9)

Specific Ingredient Data

No data available.

LD50 (rat, oral)

5050 mg/m3

LC50 (rat, inhalation/4 hours)

No data available.

Exposure Limits

No data available.

ACRYLATE OLIGOMER (41637-38-1)

Specific Ingredient Data

No data available.

LD50 (rat, oral)

No data available.

LC50 (rat, inhalation/4 hours)

No data available.

Exposure Limits

No data available.

ACRYLONITRILE-BUTADIENE POLYMER (9003-18-3)

Specific Ingredient Data

| | |
|--|--------------------|
| No data available. | |
| LD50 (rat, oral) | No data available. |
| LC50 (rat, inhalation/4 hours) | No data available. |
| Exposure Limits | |
| No data available. | |
| METHYL METHACRYLATE-BUTADIENE-STYRENE POLYMER (25053-09-2) | |
| Specific Ingredient Data | |
| No data available. | |
| LD50 (rat, oral) | No data available. |
| LC50 (rat, inhalation/4 hours) | No data available. |
| Exposure Limits | |
| No data available. | |
| HEMA ACID PHOSPHATE (52628-03-2) | |
| Specific Ingredient Data | |
| No data available. | |
| LD50 (rat, oral) | No data available. |
| LC50 (rat, inhalation/4 hours) | No data available. |
| Exposure Limits | |
| No data available. | |
| AMORPHOUS SILICA (60842-32-2) | |
| LD50 (rat, oral) | No data available. |
| LC50 (rat, inhalation/4 hours) | No data available. |
| Exposure Limits | |
| No data available. | |

9 Physical and Chemical Properties

| | |
|------------------------------|--|
| Physical form,Color,Odour: | Liquid; paste; Green; slight fragrance; |
| Odour Threshold: | No data available. |
| pH: | Not applicable |
| Boiling point/boiling range: | 87 C |
| Melting point/melting range: | Not applicable |
| Vapour pressure: | <= 0.1 mmHg |
| Water Solubility: | Slight (less than 10%) |
| Specific gravity: | 1.07 Water=1 |
| Vapour density: | Not Available |
| Volatile organic compounds: | 319 gms/liter EPA24A 23 gms/liter EPA24A when mixed 1:1 with Part A |
| Evaporation rate: | Not Available |
| Viscosity: | 90,000 centipoise |
| Percent Volatile: | 0 % |

10 Stability and Reactivity

Conditions to Avoid:

Heat;

Store out of direct sunlight.

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 reaction

(exotherm) with production of intense heat and smoke.

Materials to Avoid:

Amines;

Reducing agents;

Reactive Metals

Hazardous Decomposition:

Carbon monoxide - During Combustion;

Carbon dioxide - During Combustion;

Oxides of Nitrogen - During Combustion;

Toxic Vapour, Gas, Particulate - During Combustion;

Stability and Reactivity:

Stable. Hazardous polymerization may occur.

11 Toxicological Information

Effects from Eye Contact:

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

Effects from Skin Contact:

Moderate Skin Irritation: Signs/symptoms can include localized redness, swelling, itching, and dryness.

Prolonged or repeated exposure may cause:

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

Effects from Inhalation:

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

Effects from Ingestion:

Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, nausea, diarrhea and vomiting.

Sensitization Information:

Prolonged or repeated exposure may cause:

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

Carcinogenicity:

No data available.

Mutagenicity:

No data available.
Reproductive Effects:
No data available.
Component Based Information:
No data available.
Product Based Information:
No data available.

12 Ecological Information

Environmental Data:
Ecotoxicity Data:
Not determined.
Ecofate Data:
Not determined.

13 Disposal Considerations

Product as Sold:
Cure (harden, set, or react) the product according to product instructions. Dispose of completely cured (or polymerized) wastes in a sanitary landfill. Incinerate uncured product in a permitted hazardous waste incinerator in the presence of a combustible material. As a disposal alternative, dispose of waste product in a permitted hazardous waste facility.
Product Packaging:
No data available.
Special Instructions:
Since regulations vary, consult applicable regulations or authorities before disposal.

14 Transport Information

Transportation of Dangerous Goods

| | |
|-----------------------|--|
| TDG Classification: | Non-Regulated Material |
| Special Instructions: | Not regulated per U.S. DOT, IATA or IMO. |

Special Information:: Contact 3M for more information.
These transportation classifications are provided as a customer service. As the shipper YOU remain responsible for complying with all applicable laws and regulations, including proper transportation classification and packaging. 3M's transportation classifications are based on product formulation, packaging, 3M policies and 3M's understanding of applicable current regulations.

3M does not guarantee the accuracy of this classification information. This information applies only to transportation classification and not the packaging, labeling, or marking requirements. The original 3M package is certified for Canadian ground shipment only. If you are shipping by air or ocean, the package may not meet applicable regulatory requirements.

International Dangerous Goods Classification

15 Regulatory Information

WHMIS Classification: D2B

NOTE:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

Product Certifications:

The product on this MSDS, or all its components, is included on the following countries' chemical inventories, as noted:

- AICS - Australian Inventory of Chemical Substances
- CICS - Chinese Inventory of Chemical Substances
- NDSL - Non Domestic Substance List
- TSCA - Toxic Substances Control Act (USA)
- EINECS - European Inventory of Existing Commercial Chemical Substances

16 Other Information

Reason for Reissue:

The following Sections and topics have been updated or revised:

- Update Tradename
- Revised Intended Use of Product
- Section 2 - Composition/Information on Ingredients;
- Section 4 - First Aid Measures;
- Section 5 - Fire Fighting Measures
- Section 7 - Handling and Storage;
- Section 8 - Exposure Controls/Personal Protection;
- Section 10 - Stability and Reactivity;
- Section 13 - Disposal Considerations;
- Section 14 - Transportation Information

The information in this Material Safety Data Sheet (MSDS) is believed to be correct as of the date issued. 3M MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, STATUTORY OR OTHERWISE, INCLUDING, BUT NOT

LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION 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.

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Material Safety Data Sheet
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Prepared by: Corporate Regulatory Services, 3M Canada Company
Telephone: (800) 364-3577, Fax: (800) 603-7758, Web Site: www.3M.ca

1 Chemical Product and Company Identification

Tradename:
3M(TM) Scotch-Weld(TM) Low Odor Acrylic Adhesive 810NS B/A (Part A)
Product ID:
62-2899-8730-7
Intended Use of Product:
Structural adhesive
Division:
INDUSTRIAL ADHESIVES AND TAPES

2 Hazards Identification

Critical Hazards:
Severe Eye Irritation: Signs/symptoms may include significant redness, swelling, pain, tearing, cloudy appearance of the cornea, and impaired vision.
Severe Skin Irritation: signs/symptoms can include localized redness, swelling, itching, dryness, cracking, blistering, and pain.
Prolonged or repeated exposure may cause:
Allergic Skin Reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.
May be absorbed through skin and cause target organ effects.
Very toxic by inhalation.
May be absorbed following inhalation and cause target organ effects.
May be absorbed following ingestion and cause target organ effects.

Oxidizing material;
See Sections 7 and 11 for further information.

3 Composition/Information on Ingredients

| Ingredient Name | CAS Number | Percentage |
|---|------------|------------|
| PHENOXYETHYL METHACRYLATE | 10595-06-9 | 10 - 30 |
| 2-HYDROXYPROPYL METHACRYLATE | 923-26-2 | 10 - 30 |
| 2-HYDROXYETHYL METHACRYLATE | 868-77-9 | 10 - 30 |
| METHYL METHACRYLATE-BUTADIENE- STYRENE POLYMER | 25053-09-2 | 5 - 10 |
| ACRYLATE OLIGOMER | 41637-38-1 | 5 - 10 |
| ACRYLONITRILE-BUTADIENE POLYMER | 9003-18-3 | 5 - 10 |
| CUMENE HYDROPEROXIDE | 80-15-9 | 3 - 7 |
| AMORPHOUS SILICA | 60842-32-2 | 1 - 5 |

NOTE:

Each percentage is expressed as the ratio of the weight of the ingredient to the weight of the controlled product.

4 First Aid Measures

Instructions for Eye Contact:

Immediately flush eyes with large amounts of water for at least 15 minutes. Get immediate medical attention.

Instructions for Skin Contact:

Remove contaminated clothing and shoes. Immediately flush skin with large amounts of water. Get medical attention. Wash contaminated clothing and clean shoes before reuse.

Instructions for Inhalation:

Remove person to fresh air. If signs/symptoms develop, get medical attention.

Instructions for Ingestion:

Do not induce vomiting. Get immediate medical attention.

5 Fire Fighting Measures

Flash point: 102.2 C CC

Lower Explosive Limit (%): Not Available

Upper Explosive Limit (%): Not Available

Autoignition temperature: Not Available

Suitable Extinguishing Media:

Ordinary combustible material. Use fire extinguishers with class A extinguishing agents (e.g., water, foam).

Exposure Hazards during Fire:

No unusual fire or explosion hazards are anticipated.

Combustion Products from Fire:

Carbon monoxide - During Combustion;

Carbon dioxide - During Combustion;

Oxides of Nitrogen - During Combustion;

Toxic Vapour, Gas, Particulate - During Combustion;

Unusual Fire and Explosion Hazards

None known.

Fire Fighting Procedures:

Wear full protective equipment (Bunker Gear) and a self-contained breathing apparatus (SCBA).

NFPA: Health 2

NFPA: Fire 1

NFPA: Reactivity 1

NFPA: Unusual Reaction Hazard

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.

6 Accidental Release Measures

Personal Precautions:

No data available.

Environmental Procedures

No data available.

Methods for cleaning up

No data available.

Spill Response:

Evacuate unprotected and untrained personnel from hazard area. The spill should be cleaned up by qualified personnel. Ventilate the area with fresh air. For larger spills, cover drains and build dikes to prevent entry into sewer systems or bodies of water. Collect as much of the spilled material as possible. Dispose of collected material as soon as possible.

7 Handling and Storage

Storage Requirements:

Keep container closed when not in use.

Incompatible Materials:

Store away from heat;

Store out of direct sunlight.

Amines;

Reducing agents;

Reactive Metals

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 reaction

(exotherm) with production of intense heat and smoke.

Ventilation:

No data available.

Use Instructions:

For industrial or professional use only.

8 Exposure Controls/Personal Protection

Personal Protection

Eye Protection:

Avoid eye contact.

The following should be worn alone or in combination, as appropriate, to prevent eye contact:

Full faceshield

Safety glasses with side shields

Indirect vented goggles;

Hand Protection:

Wear appropriate gloves when handling this material.

The following glove material(s) are recommended:

polyvinyl alcohol;

Skin Protection:

Avoid skin contact.

Select and use gloves and/or protective clothing to prevent skin contact based on the results of an exposure assessment. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible materials.

Respiratory Protection:

Avoid breathing of vapours, mists or spray.

Avoid breathing of vapours created during the cure cycle.

Select one of the following approved respirators based on airborne concentration of contaminants and in accordance with regulations:

Half facepiece or fullface air-purifying respirator with organic

vapor cartridges.
Half facepiece or fullface air-purifying respirator with organic vapour cartridges and P100 particulate prefilters;
Ingestion (Prevention):
Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water.
Wash hands after handling and before eating.
Recommended Ventilation:
Use with appropriate local exhaust ventilation.
Provide ventilated enclosure for heat curing.
Curing enclosures must be exhausted to outdoors or to a suitable emission control device.
Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below Occupational Exposure Limits and/or control mist, vapour, or spray. If ventilation is not adequate, use respiratory protection equipment.
Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below Occupational Exposure Limits. If ventilation is not adequate, use respiratory protection equipment.
Provide appropriate local exhaust ventilation for sanding, grinding or machining.

Ingredient Exposure Data

PHENOXYETHYL METHACRYLATE (10595-06-9)
Specific Ingredient Data
No data available.
LD50 (rat, oral) No data available.
LC50 (rat, inhalation/4 hours) No data available.
Exposure Limits
No data available.
2-HYDROXYPROPYL METHACRYLATE (923-26-2)
Specific Ingredient Data
No data available.
LD50 (rat, oral) No data available.
LC50 (rat, inhalation/4 hours) No data available.
Exposure Limits
No data available.
2-HYDROXYETHYL METHACRYLATE (868-77-9)
Specific Ingredient Data
No data available.
LD50 (rat, oral) 5050 mg/m3
LC50 (rat, inhalation/4 hours) No data available.
Exposure Limits
No data available.
METHYL METHACRYLATE-BUTADIENE-STYRENE POLYMER (25053-09-2)
Specific Ingredient Data

No data available.
LD50 (rat, oral) No data available.
LC50 (rat, inhalation/4 hours) No data available.
Exposure Limits
No data available.

ACRYLATE OLIGOMER (41637-38-1)
Specific Ingredient Data
No data available.
LD50 (rat, oral) No data available.
LC50 (rat, inhalation/4 hours) No data available.
Exposure Limits
No data available.

ACRYLONITRILE-BUTADIENE POLYMER (9003-18-3)
Specific Ingredient Data
No data available.
LD50 (rat, oral) No data available.
LC50 (rat, inhalation/4 hours) No data available.
Exposure Limits
No data available.

CUMENE HYDROPEROXIDE (80-15-9)
LD50 (rat, oral) 382 mg/kg
LC50 (rat, inhalation/4 hours) 220 ppm
Exposure Limits
AIHA: TWA 6 mg/m3 (skin contact contributes to exposure) AIHA: TWA
1 ppm (skin contact contributes to exposure)

AMORPHOUS SILICA (60842-32-2)
LD50 (rat, oral) No data available.
LC50 (rat, inhalation/4 hours) No data available.
Exposure Limits
No data available.

9 Physical and Chemical Properties

Physical form,Color,Odour: Liquid; paste; White; low odour;
Odour Threshold: No data available.
pH: Not applicable
Boiling point/boiling range: 87 C
Melting point/melting range: Not applicable
Vapour pressure: <= 0.1 mmHg
Water Solubility: Slight (less than 10%)
Specific gravity: 1.07 Water=1
Vapour density: Not applicable
Volatile organic compounds: 349 gms/liter EPA24A 23 gms/liter EPA24A when mixed 1:1 with Part B
Evaporation rate: Not Available

Viscosity: ♦ 90,000 centipoise
Percent Volatile: 0 %

10 Stability and Reactivity

Conditions to Avoid:

Heat;
Store out of direct sunlight.
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 reaction (exotherm) with production of intense heat and smoke.

Materials to Avoid:

Amines;
Reducing agents;
Reactive Metals

Hazardous Decomposition:

Carbon monoxide - During Combustion;
Carbon dioxide - During Combustion;
Oxides of Nitrogen - During Combustion;
Toxic Vapour, Gas, Particulate - During Combustion;

Stability and Reactivity:

Stable. Hazardous polymerization may occur.

11 Toxicological Information

Effects from Eye Contact:

Severe Eye Irritation: Signs/symptoms may include significant redness, swelling, pain, tearing, cloudy appearance of the cornea, and impaired vision.
Vapours released during curing may cause eye irritation.
Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

Effects from Skin Contact:

Severe Skin Irritation: signs/symptoms can include localized redness, swelling, itching, dryness, cracking, blistering, and pain.
Prolonged or repeated exposure may cause:
Allergic Skin Reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.
May be absorbed through skin and cause target organ effects.

Effects from Inhalation:

Very toxic by inhalation.
Upper Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.
May be absorbed following inhalation and cause target organ

effects.

Effects from Ingestion:

Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, nausea, diarrhea and vomiting.

May be absorbed following ingestion and cause target organ effects.

Sensitization Information:

Prolonged or repeated exposure may cause:

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

Carcinogenicity:

No data available.

Mutagenicity:

No data available.

Reproductive Effects:

No data available.

Component Based Information:

Oxidizing material;

Product Based Information:

No data available.

Other Effects & Information:

Prolonged or repeated exposure may cause:

Central Nervous System (CNS) Depression: Signs/symptoms may include headache, dizziness, drowsiness, incoordination, nausea, slowed reaction time, slurred speech, giddiness, and unconsciousness.

12 Ecological Information

Environmental Data:

Ecotoxicity Data:

Not determined.

Ecofate Data:

Not determined.

13 Disposal Considerations

Product as Sold:

Cure (harden, set, or react) the product according to product instructions. Dispose of completely cured (or polymerized) wastes in a sanitary landfill. Incinerate uncured product in a permitted hazardous waste incinerator in the presence of a combustible material. As a disposal alternative, dispose of waste product in a permitted hazardous waste facility.

Product Packaging:

No data available.

Special Instructions:

Since regulations vary, consult applicable regulations or authorities before disposal.

14 Transport Information

Transportation of Dangerous Goods

| | |
|-----------------------|---|
| TDG Classification: | Non-Regulated Material |
| Special Instructions: | Not regulated per U.S. DOT, IATA or IMO. |

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

International Dangerous Goods Classification

15 Regulatory Information

WHMIS Classification: C, D1A, D2B

NOTE:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

Product Certifications:

The product on this MSDS, or all its components, is included on the following countries' chemical inventories, as noted:

- AICS - Australian Inventory of Chemical Substances
- CICS - Chinese Inventory of Chemical Substances
- NDSL - Non Domestic Substance List
- TSCA - Toxic Substances Control Act (USA)
- EINECS - European Inventory of Existing Commercial Chemical Substances

16 Other Information

Reason for Reissue:

The following Sections and topics have been updated or revised:

Update Tradename

Revised Intended Use of Product

Section 2 - Composition/Information on Ingredients;

Section 3 - Hazards Identification - Critical Hazards;

Section 4 - First Aid Measures;

Section 5 - Fire Fighting Measures

Section 6 - Accidental Release Measures;

Section 7 - Handling and Storage;

Section 8 - Exposure Controls/Personal Protection;

Section 9 - Physical and Chemical Properties;

Section 10 - Stability and Reactivity;

Section 11 - Toxicological Information;

Section 12 - Ecological Information

Section 13 - Disposal Considerations;

Section 15 - Regulatory Information

The information in this Material Safety Data Sheet (MSDS) is believed to be correct as of the date issued. 3M MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, STATUTORY OR OTHERWISE, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION 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.

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