Material Safety Data Sheet

Part No.: 0904 Page 1

PLASTIC WELDER ADHESIVE

This product appears in the following stock number(s):

14300 14300G 14320 14330 14385 DA004 DA033 DA290 Last revised: 08/12/02 DA295 DA309 Printed: 3/5/2004

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Tradename: PLASTIC WELDER ADHESIVE

General use: Adhesive Chemical family: Acrylate

MANUFACTURER

ITW Devcon 30 Endicott St. Danvers, MA 01923

EMERGENCY INFORMATION

Emergency telephone number (CHEMTREC): (800) 424-9300

Other Calls: (978) 777-1100

2. COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS CONSTITUENTS

Exposure limits

| Inzindoes constitueins | | | Emposure minus | | | |
|-------------------------------|-------|----------|----------------|--------------|-------------|-------------------------|
| Constituent | Abbr. | CAS No. | Weight percent | ACGIH TLV | OSHA PEL | Other Limits |
| p(BD/MMA/STY) | | 25053092 | 10 - 20 | n/e | n/e | n/e |
| Carbon tetrachloride | | 56235 | < 1 | 5 ppm | 10 ppm | 2 ppm (Canada) |
| Chlorosulfonated polyethylene | | 68037398 | 20 - 30 | n/e | n/e | n/e |
| Methacrylic acid | MAA | 79414 | 1 - 10 | 20 ppm | 20 ppm | 4 ppm (Manufacturer) |
| Methyl Methacrylate Monomer | ММА | 80626 | 40 - 60 | 50 ppm | 100 ppm | 100 ppm (Canada) |

[&]quot;TLV" means the Threshold Limit Value exposure (eight-hour, time-weighted average, unless otherwise noted) established by the American Conference of Governmental Industrial Hygienists. "STEL" indicates a short-term exposure limit. "PEL" indicates the OSHA Permissible Exposure Limit. "n/e" indicates that no exposure limit has been established. An asterisk (*) indicates a substance whose identity is a trade secret of our supplier and unknown to us.

3. HAZARDS IDENTIFICATION

Emergency Overview

Appearance, form, odor: Off-white paste with varied fragrant odor.

WARNING! Flammable. Eye, skin and respiratory irritant. Skin sensitizer. Harmful if inhaled or absorbed through skin. Chronic overexposure may cause liver and kidney effects.

| ITW Devcon | Material Safety Data Sheet |
|---|---|
| Part No.: 0904 | Page 2 |
| Potential health effects | |
| Primary routes of exposure: Skin contact | Skin absorption Eye contact Inhalation Ingestion |
| Symptoms of acute overexposure: | |
| Skin: May cause irritation and sensitization. May be abso Eyes: Liquid and vapors causes moderate irritation. May of Inhalation: | • |
| High concentration is irritant to respiratory tract and ma unconsciousness. | ay cause dizziness, headache, anaesthetic effects, |
| Ingestion: | |
| Causes irritation, a burning sensation of the mouth, the | oat and gastrointestinal tract and abdominal pain. |
| Effects of chronic overexposure: | |
| a carcinogenic or mutagenic hazard. May cause derm | r damage; not likely to cause cancer. Not believed to represent atitis (itching, redness, rashes, hives, burning, swelling) and/or d inhalation exposure may cause asthma. May effect the |
| Carcinogenicity OSHA regulated: No Ad | CGIH: No National Toxicology Program: No |
| International Agency for Research on Ca | incer:No |
| Preexisting eye, lung and skin disorders. Other effects: MMA: Developmental toxicity observed in animal tests, impair human olfactory function. | but only at levels toxic to the mother. MMA is reported to |
| 4. FIRST AID MEASURES | |
| First aid for eyes: | |
| Flush eye with clean water for at least 15 minutes whil attention. | e gently holding eyelids open. Get immediate medical |
| First aid for skin: Immediately remove contaminated clothing and excess warm soap and water. Consult a physician if irritation | s contaminant. Flush skin with water. Wash thoroughly with develops. |
| First aid for inhalation: Remove patient to fresh air. Administer oxygen if brea | thing is difficult. Get medical attention if symptoms persist. |
| First aid for ingestion: Do NOT induce vomiting. Give two glasses of water to | dilute if patient is conscious. Get medical attention. |
| 5. FIRE FIGHTING MEASURES | |
| General fire and explosion characteristics: Vapor forms explosive mixture with air. | |
| Extinguishing media: | |
| | y chemical Foam Alcohol foam |

Material Safety Data Sheet

Part No.: 0904 Page 3

Flash Point (°F): 50 Method: TCC

Explosive limits in air (percent) -- Lower: 2.1 Upper: 12.5

Special firefighting procedures:

Keep personnel removed and upwind from fire. Wear self contained breathing apparatus and full protective equipment. Cool tank with water spray. Fight fire from a distance as the heat may rupture the tanks.

Unusual fire and explosion hazards:

Sealed containers at elevated temperatures may rupture due to polymerization. Vapors are heavier than air and may travel to ignition sources and flash back.

Hazardous products of combustion:

Carbon monoxide, carbon dioxide and smoke.

6. ACCIDENTAL RELEASE MEASURES

Spill control:

Avoid personal contact. Eliminate ignition sources. Ventilate area.

Containment:

Dike, contain and absorb with clay, sand or other suitable non-combustible material.

Cleanup:

For large spills, pump to storage/salvage vessels. Soak up residue with an absorbent such as clay, sand, or other suitable material and dispose of properly (RCRA hazardous waste). Add inhibitor to prevent polymerization.

Special procedures:

Prevent spill from entering drainage/sewer systems, waterways, and surface waters. Use non-sparking tools

7. HANDLING AND STORAGE

Handling precautions:

Do not breathe vapor or mist. Do not get in eyes, on skin or clothing. Wash thoroughly after handling. Close container after each use. Ground container when pouring. Keep away from heat, flame or sparks. Use non-sparking tools.

Storage:

Keep in a cool place, without direct exposure to sunlight. Keep container tightly closed and otherwise in accordance with NFPA regulations. Maintain air space in storage containers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls

Ventilation:

Use ventilation that is adequate to keep employee exposure to airborne concentrations below exposure limits.

Other engineering controls:

Keep container tightly closed. Observe label precautions. Have emergency eyewash and safety shower present.

Personal protective equipment

Eye and face protection:

Wear safety glasses. Wear coverall chemical splash goggles and face shield when eye and face contact is possible.

Skin protection:

Wear impervious butyl rubber clothing as appropriate to prevent contact.

Material Safety Data Sheet

Part No.: 0904 Page 4

Respiratory protection:

A NIOSH/MSHA air purifying respirator with an organic vapor cartridge may be permissible, however use a positive pressure air supplied respirator if there is any potential for uncontrolled release, or unknown exposure levels.

9. PHYSICAL AND CHEMICAL PROPERTIES

213 Specific gravity: 1.03 Boiling point (°F): Melting point (°F): n/d Vapor density (air = 1): > 1 28 mm Hg at 68 °F Evaporation rate (butyl acetate = 1): 3 Vapor pressure (mmHg): VOC (grams/liter): < 50 mixed Solubility in water: n/d Percent volatile by volume: n/d pH (5% solution or slurry in water): 3.0-3.5

Percent solids by weight: n/d

10. STABILITY AND REACTIVITY

This material is chemically stable. Hazardous polymerization may occur.

Conditions to avoid:

Unstable with heat, direct sunlight, inert gas blanketing, ultraviolet radiation.

Incompatible materials:

Incompatible with strong oxidizing agents and reducing agents, acids and bases. Material is a strong solvent and can soften paint and rubber.

Hazardous products of decomposition:

Carbon monoxide, carbon dioxide and smoke.

Conditions under which hazardous polymerization may occur:

Excessive heat, storage in the absence of inhibitor and inadvertant addition of catalyst.

11. TOXICOLOGICAL INFORMATION

Acute oral effects: LD50 (rat): > 2000 mg/kg estimate

Toxicity of MMA exposed near LD50 include blood in the urine and liver changes.

Acute dermal effects: LD50 (rabbit): > 1700 mg/kg estimate

Dermatitis.

Acute inhalation effects: LC50 (rat): No data available.

Toxicity of MMA at 9 100 times TLV from respiratory and gestrointectional irritation, lung damage, nervous system

Toxicity of MMA at 8-100 times TLV from respiratory and gastrointestional irritation, lung damage, nervous system effects and blood in urine.

Eve irritation:

Not available.

Subchronic effects:

Inhalation: Repeated exposure of MMA at 5-100 times the TLV include lung damage, pulmonary irritation, liver changes, eye irritation, nasal tissue changes, incoordination and upper respiratory irritation. Ingestion: Liver and kidney affects with altered function in both organs. Skin permeation may occur.

Material Safety Data Sheet

Part No.: 0904 Page 5

Carcinogenicity, teratogenicity, and mutagenicity:

Possible reproductive hazard based on animal data.

Other chronic effects:

Inhalation: long term exposure of MMA caused inflammation of the nasal cavity, changes in nasal sensory cells and decreased body weight. Ingestion: Can cause decreased body weight, and increased kidney weight

Toxicological information on hazardous chemical constituents of this product:

| Constituent | Oral LD50 (rat) | Dermal LD50 (rabbit) | Inhalation LC50 4hr, (rat) |
|-------------------------------|--------------------|-------------------------|-------------------------------|
| p(BD/MMA/STY) | n/d | n/d | n/d |
| Carbon tetrachloride | 2350 mg/kg | >20gm/kg | 8000ppm |
| Chlorosulfonated polyethylene | n/d | n/d | n/d |
| Methacrylic acid | 1060 mg/kg | 500 mg/kg | >1300 ppm |
| Methyl Methacrylate Monomer | 7872 mg/kg | > 5,000 mg/kg | 7093 ppm |

'n/d' = 'not determined'

12 ECOLOGICAL INFORMATION

Ecotoxicity:

MMA has: estimate of 96 hour median threshold limit: 100-1,000 ppm; 96 hour LC50, fathead minnow: 150 ppm; 96 hour LC50, bluegill sunfish: 232 ppm. MAA has: LC50 = 85mg/l, 96 hr, Rainbow trout (slightly toxic); EC50 > 130 mg/l, 48 hr, Daphnia magna (practically non-toxic); EC50 = 0.6 mg/l, 96 hr, Algae (highly toxic).

Mobility and persistence:

MMA is partially biodegradable in water. BOD-5 day: 0.14 g/g - 0.90 g/g; THOD : 1.92 g/g. MAA readily biodegraded (86% within 28 days) under aerobic conditions.

Environmental fate:

MMA produces high tonnage material in wholly contained systems. Liquid with moderate mobility. Sparingly soluble in water. High potential for bioaccumulation. Low mobility in soil.

13. DISPOSAL CONSIDERATIONS

Please see also Section 15, Regulatory Information.

Waste management recommendations:

Do not dispose of in a landfill. Incineration is the preferred method of disposal.

Material Safety Data Sheet

Part No.: 0904 Page 6

14. TRANSPORT INFORMATION

Proper shipping name: Adhesives *

Technical name: N/A
Hazard class: 3
UN number: 1133
Packing group: II

Emergency Response Guide no.: 128

IMDG page number: N/A

Other: Containers < 30 liters are PG III

*Depending upon the size and type of container, this material may be reclassified as "Consumer Commodity, ORM-D" for shipments within the United States, or "Limited Quantity" elsewhere. Refer to the appropriate regulation.

15. REGULATORY INFORMATION

U.S. Federal Regulations

TSCA

All ingredients of this product are listed, or are exempt from listing, on the TSCA inventory.

The following RCRA code(s) applies to this material if it becomes waste: D001, D019

Regulatory status of hazardous chemical constituents of this product:

| Constituent | Extremely Hazardous* | Toxic Chemical** | CERCLA RQ (lbs) | TSCA 12B Export Notification |
|-------------------------------|----------------------|---------------------|--------------------|---------------------------------|
| p(BD/MMA/STY) | No | No | 0.0 | Not required |
| Carbon tetrachloride | No | Yes | 10.0 | Not required |
| Chlorosulfonated polyethylene | No | No | 0.0 | Not required |
| Methacrylic acid | No | No | 0.0 | Not required |
| Methyl Methacrylate Monomer | No | Yes | 1000.0 | Required |

^{*}Consult the appropriate regulations for emergency planning and release reporting requirements for substances on the SARA Section 301 Extremely Hazardous Substance list.

For purposes of SARA Section 312 hazardous materials inventory reporting, the following hazard classes apply to this material: - Immediate health hazard -- Delayed health hazard -- Fire hazard --

Reactivity hazard -

Canadian regulations

WHMIS hazard class(es): B2; D2B

^{**}Substances for which the "Toxic Chemical" column is marked "Yes" are on the SARA Section 313 list of

Toxic Chemicals, for which release reporting may be required. For specific requirements, consult the appropriate regulations.

Material Safety Data Sheet

Part No.: 0904 Page 7

All components of this product are on the Domestic Substances List.

Regulatory notes:

In normal use, the methyl methacrylate in this product is polymerized during cure. For purposes of air quality regulations, the maximum amount of VOC (i.e. MMA) emitted is negligible (less than 5%). Actual emissions are a function of substrate and process and should be considered on an individual basis.

16. OTHER INFORMATION

| Hazardous Materials Identification System (HMIS) ratings: | Health 2* | Flammability 3 | Reactivity 2 |
|---|--------------|----------------|--------------|
|---|--------------|----------------|--------------|

The information and recommendations in this document are based on the best information available to us at the time of preparation, but we make no other warranty, express or implied, as to its correctness or completeness, or as to the results of reliance on this document.

Material Safety Data Sheet

Part No.: 0905

PLASTIC WELDER ACTIVATOR

This product appears in the following stock number(s):

14300 14300G 14320 14330 14385 DA004 DA033 DA309 Last revised: 03/05/04 DC013 Printed: 3/5/2004

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Tradename: PLASTIC WELDER ACTIVATOR

General use: Adhesive Chemical family: Acrylate

MANUFACTURER

ITW Devcon 30 Endicott St. Danvers, MA 01923

EMERGENCY INFORMATION

Emergency telephone number (CHEMTREC): (800) 424-9300

Other Calls: (978) 777-1100

2. COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS CONSTITUENTS

Exposure limits

| Constituent | Abbr. | CAS No. | Weight percent | ACGIH TLV | OSHA PEL | Other Limits |
|---|-------|----------|----------------|--------------|-------------|---------------------|
| 3,5-Diethyl-1,2-dihydro-1-phenyl-2- propylpyridine | | 34562317 | 1-10 | n/e | n/e | n/e |
| Methyl Methacrylate Monomer | MMA | 80626 | 60 - 100 | 50 ppm | 100 ppm | 100 ppm (Canada) |

[&]quot;TLV" means the Threshold Limit Value exposure (eight-hour, time-weighted average, unless otherwise noted) established by the American Conference of Governmental Industrial Hygienists. "STEL" indicates a short-term exposure limit. "PEL" indicates the OSHA Permissible Exposure Limit. "n/e" indicates that no exposure limit has been established. An asterisk (*) indicates a substance whose identity is a trade secret of our supplier and unknown to us.

3. HAZARDS IDENTIFICATION

Emergency Overview

Appearance, form, odor: Paste with varied fragrant odor.

WARNING! Flammable. Eye, skin and respiratory irritant. Skin sensitizer. Harmful if inhaled or absorbed through skin. Chronic overexposure may cause liver and kidney effects.

Potential health effects

Primary routes of exposure: Skin contact Skin absorption Eye contact Inhalation Ingestion

Symptoms of acute overexposure:

Skin: May cause irritation and sensitization. MMA may be absorbed through the skin.

Eyes: Liquid and vapors causes moderate irritation (burning ssensation, tearing, redness, swelling). May cause corneal

damage.

Material Safety Data Sheet

National Toxicology Program: No

Part No.: 0905

Inhalation:

High concentration is irritant to respiratory tract and may cause dizziness, headache, and anaesthetic effects.

Ingestion:

Causes irritation, a burning sensation of the mouth, throat and gastrointestinal tract and abdominal pain.

Effects of chronic overexposure:

Prolonged exposure may lead to kidney, lung, heart and liver damage.

Carcinogenicity -- OSHA regulated: No ACGIH: No

International Agency for Research on Cancer:No

Medical conditions which may be aggravated by exposure:

Preexisting eye and skin disorders and diseases of the lung.

Other effects:

MMA: Developmental toxicity observed in animal tests, but only at levels toxic to the mother. MMA is reported to impair human olfactory function. Overexposure to pyridine and some of its derivatives may include weakness, dizziness, nausea, loss of consciousness, loss of appetite, and sleep disturbances.

4. FIRST AID MEASURES

First aid for eyes:

Flush eye with clean water for at least 15 minutes while gently holding eyelids open. Get immediate medical attention.

First aid for skin:

Immediately remove contaminated clothing and excess contaminant. Flush skin with water. Wash thoroughly with warm soap and water. Consult a physician if irritation develops.

First aid for inhalation:

Remove patient to fresh air. Administer oxygen if breathing is difficult. Get medical attention if symptoms persist.

First aid for ingestion:

Do NOT induce vomiting. Give two glasses of water to dilute if patient is conscious. Get medical attention.

5. FIRE FIGHTING MEASURES

General fire and explosion characteristics:

| Vapor forms explosiv | e mixture with air. | | | |
|----------------------------|---------------------|--------------------|------|--------------|
| Extinguishing media: Water | Carbon dioxide | ∑Dry chemical | Foam | Alcohol foam |
| Flash Point (°F): 50 | Method: T | | | |
| Explosive limits in air (| percent) Lower: 2.1 | Upper: 12.5 | | |

Special firefighting procedures:

Keep personnel removed and upwind from fire. Wear self contained breathing apparatus and full protective equipment. Cool tank with water spray. Fight fire from a distance as the heat may rupture the tanks.

Unusual fire and explosion hazards:

Sealed containers at elevated temperatures may rupture due to polymerization. Vapors are heavier than air and may travel to ignition sources and flash back.

Hazardous products of combustion:

Toxic vapors may be released upon thermal decomposition (cyanide, nitrogen oxides).

Material Safety Data Sheet

Part No.: 0905

6. ACCIDENTAL RELEASE MEASURES

Spill control:

Avoid personal contact. Eliminate ignition sources. Ventilate area.

Containment:

Dike, contain and absorb with clay, sand or other suitable non-combustible material.

Cleanup:

For large spills, pump to storage/salvage vessels. Soak up residue with an absorbent such as clay, sand, or other suitable material and dispose of properly (RCRA hazardous waste). Add inhibitor to prevent polymerization.

Special procedures:

Prevent spill from entering drainage/sewer systems, waterways, and surface waters. Use non-sparking tools

7. HANDLING AND STORAGE

Handling precautions:

Do not breathe vapor or mist. Do not get in eyes, on skin or clothing. Wash thoroughly after handling. Close container after each use. Ground container when pouring. Keep away from heat, flame or sparks. Use non-sparking tools.

Storage:

Keep in a cool place, without direct exposure to sunlight. Keep container tightly closed and otherwise in accordance with NFPA regulations. Maintain air space in storage containers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls

Ventilation:

Use ventilation that is adequate to keep employee exposure to airborne concentrations below exposure limits.

Other engineering controls:

Keep container tightly closed. Observe label precautions. Have emergency eye wash and safety shower present.

Personal protective equipment

Eye and face protection:

Wear safety glasses. Wear coverall chemical splash goggles and face shield when eye and face contact is possible.

Skin protection:

Wear impervious butyl rubber clothing as appropriate to prevent contact.

Respiratory protection:

A NIOSH/MSHA air purifying respirator with an organic vapor cartridge may be permissible, however use a positive pressure air supplied respirator if there is any potential for uncontrolled release, or unknown exposure levels.

Material Safety Data Sheet

Part No.: 0905 Page 4

9. PHYSICAL AND CHEMICAL PROPERTIES

213 Specific gravity: 0.96 Boiling point (°F): Melting point (°F): n/d Vapor density (air = 1): 3.5 Vapor pressure (mmHg): 28 mm Hg at 68 °F Evaporation rate (butyl acetate = 1): 3 < 50 mixed VOC (grams/liter): Solubility in water:

Percent volatile by volume: n/d pH (5% solution or slurry in water): 4.5-5.5

Percent solids by weight: n/d

10. STABILITY AND REACTIVITY

This material is chemically stable. Hazardous polymerization may occur.

Conditions to avoid:

Unstable with heat, direct sunlight, inert gas blanketing, ultraviolet radiation.

Incompatible materials:

Incompatible with strong oxidizing agents and reducing agents, acids and bases. Material is a strong solvent and can soften paint and rubber.

Hazardous products of decomposition:

Carbon monoxide, carbon dioxide, nitrogen oxides, cyanide and smoke.

Conditions under which hazardous polymerization may occur:

Excessive heat, storage in the absence of inhibitor and inadvertant addition of catalyst.

11. TOXICOLOGICAL INFORMATION

Acute oral effects: LD50 (rat): Not available.

Toxicity of MMA exposed near LD50 include blood in the urine and liver changes.

Acute dermal effects: LD50 (rabbit): Not available.

Dermatitis.

Acute inhalation effects: LC50 (rat): Not available.

Exposure: 4 hours. Toxicity of MMA at 8-100 times TLV from respiratory and gastrointestional irritation, lung damage, nervous system

effects and blood in urine.

Eye irritation:

Not available.

Subchronic effects:

Inhalation: Repeated exposure of MMA at 5-100 times the TLV include lung damage, pulmonary irritation, liver changes, eye irritation, nasal tissue changes, incoordination and upper respiratory irritation. Ingestion: Liver and kidney affects with altered function in both organs. Skin permeation may occur.

Carcinogenicity, teratogenicity, and mutagenicity:

Possible reproductive hazard based on animal data.

Other chronic effects:

Inhalation: long term exposure of MMA caused inflammation of the nasal cavity, changes in nasal sensory cells and decreased body weight. Ingestion: Can cause decreased body weight, and increased kidney weight

Material Safety Data Sheet

Part No.: 0905

Toxicological information on hazardous chemical constituents of this product:

| Constituent | Oral LD50 (rat) | Dermal LD50 (rabbit) | Inhalation LC50 4hr, (rat) |
|---|--------------------|-------------------------|-------------------------------|
| 3,5-Diethyl-1,2-dihydro-1-phenyl-2-propylpyridine | > 500 mg/kg | > 1000 mg/kg | n/d |
| Methyl Methacrylate Monomer | 7872 mg/kg | > 5,000 mg/kg | 7093 ppm |

'n/d' = 'not determined'

12 ECOLOGICAL INFORMATION

Ecotoxicity:

MMA has: estimate of 96 hour median threshold limit: 100-1,000 ppm; 96 hour LC50, fathead minnow: 150 ppm; 96 hour LC50, bluegill sunfish: 232 ppm

Mobility and persistence:

MMA is partially biodegradable in water. BOD-5 day: 0.14 g/g - 0.90 g/g; THOD: 1.92 g/g

Environmental fate:

MMA produces high tonnage material in wholly contained systems. Liquid with moderate mobility. Sparingly soluble in water. High potential for bioaccumulation. Low mobility in soil.

13. DISPOSAL CONSIDERATIONS

Please see also Section 15, Regulatory Information.

Waste management recommendations:

Do not dispose of in a landfill. Incineration is the preferred method of disposal.

14. TRANSPORT INFORMATION

Proper shipping name: Adhesives *

Technical name: N/A
Hazard class: 3
UN number: 1133
Packing group: II

Emergency Response Guide no.: 128

IMDG page number: N/A

Other: Containers < 30 liters are PG III

*Depending upon the size and type of container, this material may be reclassified as "Consumer Commodity, ORM-D" for shipments within the United States, or "Limited Quantity" elsewhere. Refer to the appropriate regulation.

Material Safety Data Sheet

Part No.: 0905 Page 6

15. REGULATORY INFORMATION

U.S. Federal Regulations

TSCA

All ingredients of this product are listed, or are exempt from listing, on the TSCA inventory.

The following RCRA code(s) applies to this material if it becomes waste:

Regulatory status of hazardous chemical constituents of this product:

| Constituent | Extremely Hazardous* | Toxic Chemical** | CERCLA RQ (lbs) | TSCA 12B Export Notification |
|---|----------------------|---------------------|--------------------|---------------------------------|
| 3,5-Diethyl-1,2-dihydro-1-phenyl-2-propylpyridine | No | No | 0.0 | Not required |
| Methyl Methacrylate Monomer | No | Yes | 1000.0 | Required |

^{*}Consult the appropriate regulations for emergency planning and release reporting requirements for substances on the SARA Section 301 Extremely Hazardous Substance list.

For purposes of SARA Section 312 hazardous materials inventory reporting, the following hazard classes apply to this material: - Immediate health hazard -- Delayed health hazard -- Fire hazard --

Reactivity hazard -

Canadian regulations

WHMIS hazard class(es): B2; D2B

All components of this product are on the Domestic Substances List.

Regulatory notes:

In normal use, the methyl methacrylate in this product is polymerized during cure. For purposes of air quality regulations, the maximum amount of VOC (i.e. MMA) emitted is negligible (less than 5%). Actual emissions are a function of substrate and process and should be considered on an individual basis.

16. OTHER INFORMATION

| Hazardous Materials Identification System (HMIS) ratings: | Health 2* | Flammability 3 | Reactivity 2 | |
|---|--------------|----------------|--------------|--|
|---|--------------|----------------|--------------|--|

The information and recommendations in this document are based on the best information available to us at the time of preparation, but we make no other warranty, express or implied, as to its correctness or completeness, or as to the results of reliance on this document.

^{**}Substances for which the "Toxic Chemical" column is marked "Yes" are on the SARA Section 313 list of

Toxic Chemicals, for which release reporting may be required. For specific requirements, consult the appropriate regulations.