# **Material Safety Data Sheet**

**Part No.:** 0128 Page 1

### **FASMETAL 10 HVAC REPAIR RESIN**

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

19770 Last revised: 11/02/01

Printed: 12/6/2001

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Tradename: FASMETAL 10 HVAC REPAIR RESIN

Product Identifier: EPOXY RESIN

General use: This information applies to the resin component of the two-part kit; handle freshly-mixed resin and

hardener as recommended for the hardener. After curing, the product is not hazardous.

Chemical family: Filled epoxy resin

**MANUFACTURER** 

ITW Devcon 30 Endicott St. Danvers. MA 01923

### **EMERGENCY INFORMATION**

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

Other Calls: (978) 777-1100

Inhalation

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

### HAZARDOUS CONSTITUENTS

| <b>Exposure</b> | limits |
|-----------------|--------|
|                 |        |

| Constituent                        | Abbr.  | CAS No.  | Weight percent | ACGIH<br>TLV | OSHA<br>PEL | Other<br>Limits         |
|------------------------------------|--------|----------|----------------|--------------|-------------|-------------------------|
| Crystalline silica                 |        | 14808607 | < 1            | 0.05 mg/m3   | 10/(%Q+2) m | 0.10 mg/m^3<br>(Canada) |
| Bisphenol A diglycidyl ether resin | DGEBPA | 25068386 | 30-60          | n/e          | n/e         | n/e                     |

<sup>&</sup>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: Gray paste with little odor.

| WARNING! Eye and skin irritant. Potential skin sensitizer. | İ |
|--|---|
| Potential health effects                                   |   |

Skin absorption

Eye contact

| ٥., |        | _ £ |       |       |      |       |    |
|-----|--------|-----|-------|-------|------|-------|----|
| Эy  | mptoms | OT  | acute | overe | expo | osure | ): |

Primary routes of exposure:

Skin: Moderate irritant. Contact at elevated temperatures can cause thermal burns which may result in permanent

damage. May cause skin sensitization (itching, redness, rashes, hives, burning, swelling).

Skin contact

**Eyes:** Moderate irritant (stinging, burning sensation, tearing, redness, swelling). Contact at elevated temperatures can cause thermal burns which may result in permanent damage or blindness.

Ingestion

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#### Inhalation:

The low vapor pressure of the resin makes inhalation unlikely in normal use. In applications where vapors (caused by high temperature) or mists (caused by mixing) are created, breathing may cause a mild burning sensation in the nose, throat and lungs.

### Ingestion:

Acute oral toxicity is low. May cause gastric distress (nausea, vomiting, diarrhea).

### **Effects of chronic overexposure:**

Prolonged or repeated skin contact may cause sensitization, with itching, swelling, or rashes on later exposure.

Carcinogenicity -- OSHA regulated: No

**ACGIH: No** 

National Toxicology Program: Yes

International Agency for Research on Cancer: Yes

Cancer-suspect constituent(s): silica

### Medical conditions which may be aggravated by exposure:

Preexisting eye and skin disorders. Development of preexisting skin or lung allergy symptoms may increase.

### Other effects:

See section 11.

### 4. FIRST AID MEASURES

### First aid for eyes:

Flush eye with clean water for at least 20 minutes while gently holding eyelids open, lifting upper and lower lids. Get immediate medical attention.

### First aid for skin:

Immediately remove contaminated clothing and excess contaminant. Flush skin with water for at least 15 minutes. Wash thoroughly with soap and warm 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. Rinse mouth out with water, then sip water to remove taste from mouth. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Get medical attention.

### 5. FIRE FIGHTING MEASURES

| Extinguishing media:       |                     |                   |      |              |
|----------------------------|---------------------|-------------------|------|--------------|
| Water                      | Carbon dioxide      | Dry chemical      | Foam | Alcohol foam |
| Flash Point (°F): >400     | Method: P           | MCC               |      |              |
| Explosive limits in air (p | percent) Lower: n/d | <b>Upper:</b> n/d |      |              |

### Special firefighting procedures:

Material will not burn unless preheated. Do not enter confined space without full bunker gear. Firefighters should wear self-contained breathing apparatus and protective clothing. Cool fire exposed containers with water.

### Unusual fire and explosion hazards:

Heating above 300 deg F in the presence of air may cause slow oxidative decomposition and above 500 deg F may cause polymerization. Personnel in vicinity and downwind should be evacuated.

### Hazardous products of combustion:

When heated to decomposition it emits fumes of CI-, carbon monoxide, other fumes and vapors varying in composition and toxicity.

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### 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 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. Flush area with water to remove trace residue.

### Special procedures:

Prevent spill from entering drainage/sewer systems, waterways, and surface waters.

### 7. HANDLING AND STORAGE

### Handling precautions:

Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after using and particularly before eating, drinking, smoking, applying cosmetics, or using toilet facilities.

Launder contaminated clothing and protective gear before reuse. Discard contaminated leather articles. Handle mixed resin and hardener in accordance with the potential hazard of the curing agent used. Provide appropriate ventilation/respiratory protection against decomposition products (see Section 10) during welding/flame cutting operations and to protect against dust during sanding/grinding of cured product.

### Storage:

Store in a cool, dry area away from high temperatures and flames.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### **Engineering controls**

### Ventilation :

Use ventilation that is adequate to keep employee exposure to airborne concentrations below exposure limits (or to the lowest feasible levels when limits have not been established). Although good general mechanical ventilation is usually adequate for most industrial applications, local exhaust ventilation is preferred (see ACGIH - Industrial Ventilation). Local exhaust may be required for confined areas (see OSHA 1910.146).

### Other engineering controls:

Have emergency shower and eye wash available.

### Personal protective equipment

### Eye and face protection:

Chemical goggles if liquid contact is likely, or Safety glasses with side shields.

### Skin protection:

Chemical-resistant gloves (i.e. butyl) and other gear as required to prevent skin contact.

#### Respiratory protection:

None needed in normal use with proper ventilation. In poorly ventilated areas use NIOSH approved organic vapor cartidges for uncured resin and dust/particle respirators during grinding/sanding operations of cured resin as exposure levels dictate (see OSHA 1910.134).

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

Specific gravity:1.64Boiling point (°F):>500Melting point (°F):n/dVapor density (air = 1):>1

Vapor pressure (mmHg): 0.03 mm Hg at 171 °F Evaporation rate (butyl acetate = 1): <<1

VOC (grams/liter): 0 Solubility in water: Negligible
Percent volatile by volume: 0 pH (5% solution or slurry in water): neutral

Percent solids by weight: 100

### 10. STABILITY AND REACTIVITY

This material is chemically stable. Hazardous polymerization will not occur.

### Conditions to avoid:

Open flame and extreme heat

### Incompatible materials:

Strong Lewis or mineral acids, strong oxidizing agents, strong mineral and organic bases (especially primary and secondary aliphatic amines).

### Hazardous products of decomposition:

Oxides of carbon; aldehydes, acids and other organic substances may be formed during combustion or elevated temperature (>500 deg F) degradation.

### Conditions under which hazardous polymerization may occur:

Heat is generated when resin is mixed with curing agents; Run-a-way cure reactions may char and decompose the resin, generating unidentified fumes and vapors which may be toxic.

### 11. TOXICOLOGICAL INFORMATION

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

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

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

### Eye irritation:

Not available.

### Subchronic effects:

No data available.

### Carcinogenicity, teratogenicity, and mutagenicity:

1) MUTAGENICITY: Liquid resins based on diglycidyl ether of Bisphenol A (DGEBPA), have proved to be inactive when tested by in vivo mutagenicity assays. These resins have shown activity in in vitro microbial mutagenicity screening and have produced chromosomal aberrations in cultured rat liver cells. The significance of these tests to

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man is unknown. 2) CARCINOGENICITY: Recent 2-year bioassays in rats and mice exposed by the dermal route to DGEBPA yielded no evidence of carcinogenicy to the skin or any other organs. This study clarifies prior equivocal results from a 2-year mouse skin painting study, which were suggestive, but not conclusive, for weak carcinogenic activity. 3) The International Agency for Research on Cancer (IARC) concluded that DGEBPA is not classifiable as a carcinogen (IARC group 3), that is human and animal evidence of carcinogenicy is inadequate.

### Other chronic effects:

Prolonged or repeated skin contact may cause sensitization, with itching, swelling, or rashes on later exposure. Studies have shown bisphenol A diglycidyl ether resin to cause allergic contact dermititis.

Toxicological information on hazardous chemical constituents of this product:

| Constituent                        | Oral LD50<br>(rat) | Dermal LD50<br>(rabbit) | Inhalation LC50<br>4hr, (rat) |
|------------------------------------|--------------------|-------------------------|-------------------------------|
| Crystalline silica                 | n/d                | n/d                     | n/d                           |
| Bisphenol A diglycidyl ether resin | 11.4 g/kg          | >20 ml/kg               | no deaths                     |

'n/d' = 'not determined'

### 12 ECOLOGICAL INFORMATION

### **Ecotoxicity:**

No data available.

#### Mobility and persistence:

No data available.

### **Environmental fate:**

No data available.

### 13. DISPOSAL CONSIDERATIONS

Please see also Section 15, Regulatory Information.

### Waste management recommendations:

If this resin becomes a waste, it would not be a hazardous waste by RCRA criteria (40CFR 261). Dispose of according to applicable federal, state, and local regulations. Incineration is the preferred method of disposal.

### 14. TRANSPORT INFORMATION

Proper shipping name: Non-regulated

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

Emergency Response Guide no.: N/A

IMDG page number: N/A
Other: N/A

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### 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:

None

Regulatory status of hazardous chemical constituents of this product:

| Constituent                        | Extremely Hazardous* | Toxic<br>Chemical** | CERCLA<br>RQ (lbs) | TSCA 12B Export<br>Notification |
|------------------------------------|----------------------|---------------------|--------------------|---------------------------------|
| Crystalline silica                 | No                   | No                  | 0.0                | Not required                    |
| Bisphenol A diglycidyl ether resin | No                   | No                  | 0.0                | Not required                    |

<sup>\*</sup>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 --

### **Canadian regulations**

WHMIS hazard class(es): D2B; D2A

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

### 16. OTHER INFORMATION

| Hazardous Materials<br>Identification System (HMIS)<br>ratings: | Health 2* | Flammability | Reactivity 1 |  |
|---|-----------|--------------|--------------|--|
|   |           |              |              |  |

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.

<sup>\*\*</sup>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.

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**Part No.:** 0205

### FASMETAL 10 HVAC REPAIR HARDENER

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

19770 Last revised: 10/30/01

Printed: 12/6/2001

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Tradename: FASMETAL 10 HVAC REPAIR HARDENER

**General use:** The following data pertain to the hardener only; properly mixed and cured epoxies are not

hazardous.

Chemical family: Polyamines and modified polyamines

**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<br>TLV | OSHA<br>PEL | Other<br>Limits             |
|--|-------|----------|----------------|--------------|-------------|-----------------------------|
| Triethylenetetramine   | TETA  | 112243   | < 10           | n/e          | n/e         | 1 ppm (skin)<br>(AIHA-WEEL) |
| Dimer/TOFA, reaction products with TETA                            |       | 68082291 | 20-40          | n/e          | n/e         | n/e                         |
| Polyamide of tall-oil fatty acid dimers and tetraethylenepentamine |       | 68953366 | 1-10           | n/e          | n/e         | n/e                         |
| 2,4,6-<br>Tris(Dimethylaminomethyl)phenol                          | DMP   | 90722    | 1-10           | n/e          | n/e         | n/e                         |

<sup>&</sup>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: White paste with mild ammonia-like odor.

WARNING! Eye, skin and respiratory irritant. Harmful if absorbed through skin. Potential skin sensitizer.

PRECAUTIONS: Avoid contact with eyes and skin. Avoid breathing vapors. Use with adequate ventilation. Wear suitable protective clothing. Do not take internally.

| ITW Devcon  | Material Safety Data Sheet                        |
|---|---|
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| Potential health effects  |   |
| Primary routes of exposure: Skin contact Skin absorption  | Eye contact Inhalation Ingestion                  |
| Symptoms of acute overexposure:   |   |
| Skin: Severe irritant.  |   |
| Eyes: Severe irritant   |   |
| Inhalation:   |   |
| Irritation of nose and throat; nausea and vomiting in severe cases  |   |
| Ingestion:  May cause irritation of mouth and throat and gastrointestinal tract.  |   |
| Effects of chronic overexposure:  |   |
| Repeated skin contact can cause sensitization, with itching, rashes, o<br>overexposure to DMP vapor can cause delayed lung damage and che<br>sensitization and chronic lung toxicity (cough, tightness of chest, short                | emical pneumonia. TETA may cause respiratory      |
| Carcinogenicity OSHA regulated: No ACGIH: No  | National Toxicology Program: No                   |
| International Agency for Research on Cancer:No  |   |
| Cancer-suspect constituent(s): None   |   |
| Medical conditions which may be aggravated by exposure:  Eye disease, skin disorders (e.g. eczema) and allergies, asthma and r  Emphysema).   | respiratory diseases (e.g. Bronchitis,            |
| Other effects:  |   |
| Repeated and/or prolonged exposure to low concentrations of vapor m faintness, headache, which are transient. Repeated and /or prolonged (such as defatting, rash, irritation or corrosion), adverse eye effects (such as defatting). | d exposures may result in: adverse skin effects   |
| 4. FIRST AID MEASURES   |   |
| First aid for eyes:   |   |
| Immediately flush with clean water for at least 15 minutes while gently soon as possible.   | holding eyelids open. Get medical help as         |
| First aid for skin: Immediately remove contaminated clothing and shoes and wash well irritation developes.  | with soap and warm water. See a doctor if         |
| First aid for inhalation:  Remove patient to fresh air. Give oxygen or artificial respiration if nee  | eded. See a doctor if symptoms persist.           |
| First aid for ingestion:  Do not induce vomiting. Dilute with lots of milk or water and get imme  | ediate medical help.                              |
| 5. FIRE FIGHTING MEASURES   |   |
| Extinguishing media:  |   |
| Water Carbon dioxide Dry chemical   | Foam Alcohol foam                                 |
| Flash Point (°F): >200 Method: TCC  |   |
| Explosive limits in air (percent) Lower: n/d Upper: n/d   |   |
| Special firefighting procedures:  Firefighters should wear self-contained breathing apparatus and suffice contact with this material.   | cient protective gear to prevent all skin and eye |

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### Unusual fire and explosion hazards:

None

### Hazardous products of combustion:

Acrid and toxic fumes with organic amines, ammonia, oxides of carbon and nitrogen.

### 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 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. Flush area with water to remove trace residue. Clean-up waste water should be placed in appropriate containers for proper disposal.

### Special procedures:

Prevent spill from entering drainage/sewer systems, waterways, and surface waters. Collect run-off water and transfer to drums or tanks for later disposal. Notify local health authorities and other appropriate agencies if such contamination occurs.

### 7. HANDLING AND STORAGE

### Handling precautions:

Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after using and particularly before eating, drinking, smoking, applying cosmetics, or using toilet facilities.

Launder contaminated clothing and protective gear before reuse. Discard contaminated leather articles. Handle mixed resin and hardener in accordance with the potential hazard of the curing agent used. Provide appropriate ventilation/respiratory protection against decomposition products (see Section 10) during welding/flame cutting operations and to protect against dusts, which includes crystalline silica, during sanding/grinding of cured product. A tlv of 0.1 mg/m3 should be observed for crystalline silica.

### Storage:

Store in a cool, dry area away from high temperatures and flames. Keep container tightly closed when not in use.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### **Engineering controls**

#### Ventilation:

General mechanical ventilation is adequate for occasional use. For prolonged or repeated use, local exhaust is recommended.

### Other engineering controls:

Have emergency shower and eye wash stations available.

### Personal protective equipment

### Eye and face protection:

Safety glasses with sideshields or chemical goggles.

### Skin protection:

Chemical-resistant rubber (for example, neoprene, butyl rubber or nitrile) gloves and other protective gear as needed

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to prevent skin contact.

### Respiratory protection:

None needed in normal use with proper ventilation. In poorly ventilated areas use NIOSH approved organic vapor cartidges respirator for uncured resin, dust/particle respirators during grinding/sanding operations for cured resin, or fresh airline respirator as exposure levels dictate (see OSHA 1910.134).

### 9. PHYSICAL AND CHEMICAL PROPERTIES

>450 Specific gravity: 1.73 Boiling point (°F): n/d Vapor density (air = 1): >1 Melting point (°F): Vapor pressure (mmHg): <0.01 at 68 °F Evaporation rate (butyl acetate = 1): <<1 VOC (grams/liter): Solubility in water: 30-60% Percent volatile by volume: 0 pH (5% solution or slurry in water): 10-11

Percent solids by weight: 100

### 10. STABILITY AND REACTIVITY

This material is chemically stable. Hazardous polymerization will not occur.

#### Conditions to avoid:

Extreme heat or open flame

### Incompatible materials:

Strong oxidizers, acids, and chlorinated organic compounds

### Hazardous products of decomposition:

Acrid and toxic fumes with organic amines, ammonia, oxides of carbon and nitrogen

### Conditions under which hazardous polymerization may occur:

Heat is released when this product is mixed with epoxy resins; use care when mixing large quantities.

### 11. TOXICOLOGICAL INFORMATION

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

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

TETA has been found to be toxic by skin absorption (ANSI Z129.1 1988). TETA is a severe irritant to the skin of a rabbit.

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

### Eye irritation:

TETA and DMP are severe irritants to the eyes of a rabbit.

#### Subchronic effects:

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No data.

### Carcinogenicity, teratogenicity, and mutagenicity:

TETA has tested positive in screening tests for mutagenicity. TETA was found fetotoxic and teratogenic when fed to rats at 0.83% and 1.67% of diet. When applied dermally to the skin of pregnant guinea pigs, there was a 90% abortion rate or death of fetus with developmental anomolies.

### Other chronic effects:

It has been generally observed in animal studies that aliphatic amines can cause changes in the lungs and heart. TETA has been found to produce liver and kidney damage and brain congestion in dermally exposed animals. Sensitization has occurred in laboratory animals after repeated exposures to TETA.

Toxicological information on hazardous chemical constituents of this product:

| Constituent  | Oral LD50<br>(rat) | Dermal LD50<br>(rabbit) | Inhalation LC50<br>4hr, (rat) |
|--|--------------------|-------------------------|-------------------------------|
| Triethylenetetramine   | 2500 mg/kg         | 805 mg/kg               | n/d                           |
| Dimer/TOFA, reaction products with TETA                            | n/d                | n/d                     | n/d                           |
| Polyamide of tall-oil fatty acid dimers and tetraethylenepentamine | n/d                | n/d                     | n/d                           |
| 2,4,6-Tris(Dimethylaminomethyl)phenol                              | 1670 mg/kg         | 1400 mg/kg              | > 0.5 mg/L                    |

'n/d' = 'not determined'

### 12 ECOLOGICAL INFORMATION

### **Ecotoxicity:**

No data.

### Mobility and persistence:

No data.

### **Environmental fate:**

No data.

### 13. DISPOSAL CONSIDERATIONS

Please see also Section 15, Regulatory Information.

### Waste management recommendations:

If this material becomes a waste, it would not be a hazardous waste by RCRA criteria (40CFR 261). Dispose of according to applicable federal, state, and local regulations.

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### 14. TRANSPORT INFORMATION

Proper shipping name: Non-regulated

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

Emergency Response Guide no.: N/A

IMDG page number: N/A
Other: N/A

### 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:

None

### Regulatory status of hazardous chemical constituents of this product:

| Constituent  | Extremely Hazardous* | Toxic<br>Chemical** | CERCLA<br>RQ (lbs) | TSCA 12B Export<br>Notification |
|--|----------------------|---------------------|--------------------|---------------------------------|
| Triethylenetetramine   | No                   | No                  | 0.0                | Not required                    |
| Dimer/TOFA, reaction products with TETA                            | No                   | No                  | 0.0                | Not required                    |
| Polyamide of tall-oil fatty acid dimers and tetraethylenepentamine | No                   | No                  | 0.0                | Not required                    |
| 2,4,6-Tris(Dimethylaminomethyl)phenol                              | No                   | No                  | 0.0                | Not required                    |

<sup>\*</sup>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 --

### **Canadian regulations**

WHMIS hazard class(es): D2B; D2A

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

<sup>\*\*</sup>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.

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

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### 16. OTHER INFORMATION

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

### Revisions for this issue:

| MSDS section | Revisions                          |  |
|--------------|------------------------------------|--|
| 2            | formula change (quartz below 0.1%) |  |

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.