

**JEFFCAT® ZR-70**

|         |                |              |                                 |
|---------|----------------|--------------|---------------------------------|
| Version | Revision Date: | SDS Number:  | Date of last issue: 03/29/2016  |
| 1.1     | 03/09/2020     | 400001000359 | Date of first issue: 03/29/2016 |

Print Date 03/27/2020

**SECTION 1. IDENTIFICATION**

Product name : JEFFCAT® ZR-70

**Manufacturer or supplier's details**

Company name of supplier : Huntsman International LLC  
Address : P.O. Box 4980  
The Woodlands,  
TX 77387  
United States of America (USA)  
Telephone : TechInfo: (281) 719-7780

E-mail address of person responsible for the SDS : Global\_Product\_EHS\_HPP@huntsman.com

Emergency telephone number : Chemtrec: (800) 424-9300 or (703) 527-3887

**Recommended use of the chemical and restrictions on use**

Recommended use : Component of a Polyurethane System.

**SECTION 2. HAZARDS IDENTIFICATION****GHS classification in accordance with 29 CFR 1910.1200**

Flammable liquids : Category 4  
Acute toxicity (Dermal) : Category 4  
Skin corrosion : Category 1C  
Serious eye damage : Category 1

**GHS label elements**

Hazard pictograms :



Signal word : Danger

Hazard statements : H227 Combustible liquid.  
H312 Harmful in contact with skin.  
H314 Causes severe skin burns and eye damage.

Precautionary statements : **Prevention:**  
P210 Keep away from heat/ sparks/ open flames/ hot surfaces.  
No smoking.  
P264 Wash skin thoroughly after handling.  
P280 Wear protective gloves/ protective clothing/ eye protection/  
face protection.

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**Response:**

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.

P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor.

P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.

P363 Wash contaminated clothing before reuse.

P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

**Storage:**

P403 + P235 Store in a well-ventilated place. Keep cool.

P405 Store locked up.

**Disposal:**

P501 Dispose of contents/container to an approved facility in accordance with local, regional, national and international regulations.

**Other hazards**

None known.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Substance / Mixture : Substance

Chemical nature : Alcohol

**Hazardous components**

| Chemical name                      | CAS-No.   | Concentration (% w/w) |
|------------------------------------|-----------|-----------------------|
| 2-[2-(dimethylamino)ethoxy]ethanol | 1704-62-7 | 90 - 100              |

The specific chemical identity and/or exact percentage (concentration) of composition may be withheld as a trade secret.

**SECTION 4. FIRST AID MEASURES**

General advice : Move out of dangerous area.  
Consult a physician.  
Show this safety data sheet to the doctor in attendance.  
Treat symptomatically.  
Get medical attention if symptoms occur.

If inhaled : If inhaled, remove to fresh air.  
Get medical attention if symptoms occur.

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- In case of skin contact : Immediate medical treatment is necessary as untreated wounds from corrosion of the skin heal slowly and with difficulty.  
Take victim immediately to hospital.  
If on skin, rinse well with water.  
If on clothes, remove clothes.
- In case of eye contact : Small amounts splashed into eyes can cause irreversible tissue damage and blindness.  
In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
Continue rinsing eyes during transport to hospital.  
Remove contact lenses.  
Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.
- If swallowed : Clean mouth with water and drink afterwards plenty of water.  
Keep respiratory tract clear.  
Do NOT induce vomiting.  
Never give anything by mouth to an unconscious person.  
If symptoms persist, call a physician.  
Take victim immediately to hospital.
- Most important symptoms and effects, both acute and delayed : None known.
- Notes to physician : Treat symptomatically.

**SECTION 5. FIREFIGHTING MEASURES**

- Suitable extinguishing media : Carbon dioxide (CO<sub>2</sub>)  
Foam  
Water spray
- Unsuitable extinguishing media : High volume water jet
- Specific hazards during firefighting : Do not allow run-off from fire fighting to enter drains or water courses.
- Hazardous combustion products : No hazardous combustion products are known
- Specific extinguishing methods : No data is available on the product itself.
- Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.  
For safety reasons in case of fire, cans should be stored separately in closed containments.

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Use a water spray to cool fully closed containers.

Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.  
Refer to protective measures listed in sections 7 and 8.

Environmental precautions : Prevent product from entering drains.  
Prevent further leakage or spillage if safe to do so.  
If the product contaminates rivers and lakes or drains inform respective authorities.

Methods and materials for containment and cleaning up : Neutralise with acid.  
Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).  
Keep in suitable, closed containers for disposal.

**SECTION 7. HANDLING AND STORAGE**

Advice on protection against fire and explosion : Do not spray on a naked flame or any incandescent material.  
Keep away from open flames, hot surfaces and sources of ignition.

Advice on safe handling : Do not breathe vapours/dust.  
Avoid contact with skin and eyes.  
For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.  
To avoid spills during handling keep bottle on a metal tray.  
Dispose of rinse water in accordance with local and national regulations.

Conditions for safe storage : No smoking.  
Keep in a well-ventilated place.  
Observe label precautions.  
Keep in properly labelled containers.

Materials to avoid : For incompatible materials please refer to Section 10 of this SDS.

Further information on storage stability : Stable under normal conditions.

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**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Components with workplace control parameters**

Contains no substances with occupational exposure limit values.

**Personal protective equipment**

Respiratory protection : No personal respiratory protective equipment normally required.

Hand protection

Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye protection : Eye wash bottle with pure water  
Tightly fitting safety goggles  
Wear face-shield and protective suit for abnormal processing problems.Skin and body protection : Impervious clothing  
Choose body protection according to the amount and concentration of the dangerous substance at the work place.Hygiene measures : When using do not eat or drink.  
When using do not smoke.  
Wash hands before breaks and at the end of workday.**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance : liquid

Colour : Clear

Odour : slight

Odour Threshold : No data is available on the product itself.

pH : 10 - 11  
Concentration: 10 g/l

Freezing point : &lt; -58 °F / &lt; -50 °C

Melting point : < -4 °F / < -20 °C  
Method: OECD Test Guideline 102Boiling point : 398.3 °F / 203.5 °C  
(1,013 hPa)Flash point : 194 °F / 90 °C  
Method: Pensky-Martens closed cup

Evaporation rate : No data is available on the product itself.

Flammability (solid, gas) : No data is available on the product itself.

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|                                                    |                                                                                  |
|----------------------------------------------------|----------------------------------------------------------------------------------|
| Flammability (liquids)                             | : No data is available on the product itself.                                    |
| Upper explosion limit / Upper flammability limit   | : 14.2 %(V)                                                                      |
| Lower explosion limit / Lower flammability limit   | : 0.9 %(V)                                                                       |
| Vapour pressure                                    | : 0.11 hPa (68 °F / 20 °C)                                                       |
| Relative vapour density                            | : 1                                                                              |
| Relative density                                   | : 0.95 (68 °F / 20 °C)<br>Method: OECD Test Guideline 109                        |
| Density                                            | : 0.95 g/cm3                                                                     |
| Solubility(ies)                                    |                                                                                  |
| Water solubility                                   | : 100 g/l completely miscible (68 °F / 20 °C)<br>Method: OECD Test Guideline 105 |
| Solubility in other solvents                       | : No data is available on the product itself.                                    |
| Partition coefficient: n-octanol/water             | : log Pow: -0.778 (68 °F / 20 °C)<br>Method: OECD Test Guideline 107             |
| Auto-ignition temperature                          | : 401 °F / 205 °C<br>Method: DIN Method, other                                   |
| Thermal decomposition                              | : No data is available on the product itself.                                    |
| Self-Accelerating decomposition temperature (SADT) | : No data is available on the product itself.                                    |
| Viscosity                                          |                                                                                  |
| Viscosity, kinematic                               | : 11.7 mm2/s (68 °F / 20 °C)<br>Method: OECD Test Guideline 114                  |
| Explosive properties                               | : No data is available on the product itself.                                    |
| Oxidizing properties                               | : None.                                                                          |
| Molecular weight                                   | : 133.19 g/mol                                                                   |
| Metal corrosion rate                               | : Not corrosive to metals                                                        |
| Particle size                                      | : No data is available on the product itself.                                    |

**SECTION 10. STABILITY AND REACTIVITY**

|            |                                                               |
|------------|---------------------------------------------------------------|
| Reactivity | : No dangerous reaction known under conditions of normal use. |
|------------|---------------------------------------------------------------|

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|                                    |                                                  |
|------------------------------------|--------------------------------------------------|
| Chemical stability                 | : Stable under normal conditions.                |
| Possibility of hazardous reactions | : Vapours may form explosive mixture with air.   |
| Conditions to avoid                | : Heat, flames and sparks.                       |
| Incompatible materials             | : None known.                                    |
| Hazardous decomposition products   | : No hazardous decomposition products are known. |

**SECTION 11. TOXICOLOGICAL INFORMATION**

Information on likely routes of exposure : No data is available on the product itself.

**Acute toxicity**

Acute oral toxicity - Product : Acute toxicity estimate : 2,216 mg/kg  
Method: Calculation method

**Components:**

2-[2-(dimethylamino)ethoxy]ethanol:

Acute inhalation toxicity : LC50 (Rat, male and female): > 392.2 mg/m3  
Exposure time: 4 h  
Test atmosphere: vapour  
Method: OECD Test Guideline 403

Acute dermal toxicity - Product : Acute toxicity estimate : 1,715 mg/kg  
Method: Calculation method

Acute toxicity (other routes of administration) : No data available

**Skin corrosion/irritation****Components:**

2-[2-(dimethylamino)ethoxy]ethanol:

Species: Rabbit

Assessment: Corrosive, category 1C - where responses occur after exposures between 1 hour and 4 hours and observations up to 14 days.

Method: OECD Test Guideline 404

Result: Corrosive after 1 to 4 hours of exposure

**Serious eye damage/eye irritation****Product:**

Species: Rabbit

Result: Irreversible effects on the eye

Assessment: Corrosive

Method: OECD Test Guideline 405

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**Respiratory or skin sensitisation****Components:**

2-[2-(dimethylamino)ethoxy]ethanol:

Exposure routes: Skin

Species: Guinea pig

Method: OECD Test Guideline 406

Result: Does not cause skin sensitisation.

Assessment: No data available

**Germ cell mutagenicity****Product:**

|                       |   |                                                             |
|-----------------------|---|-------------------------------------------------------------|
| Genotoxicity in vitro | : | Metabolic activation: with and without metabolic activation |
|                       |   | Method: OECD Test Guideline 473                             |
|                       |   | Result: negative                                            |

**Components:**

2-[2-(dimethylamino)ethoxy]ethanol:

|                      |   |                                              |
|----------------------|---|----------------------------------------------|
| Genotoxicity in vivo | : | Application Route: Intraperitoneal injection |
|                      |   | Result: negative                             |

|                                       |   |                   |
|---------------------------------------|---|-------------------|
| Germ cell mutagenicity-<br>Assessment | : | No data available |
|---------------------------------------|---|-------------------|

**Carcinogenicity**

No data available

|                                 |   |                   |
|---------------------------------|---|-------------------|
| Carcinogenicity -<br>Assessment | : | No data available |
|---------------------------------|---|-------------------|

**IARC**

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**ACGIH**

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

**OSHA**

No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

**NTP**

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**Reproductive toxicity****Components:**

2-[2-(dimethylamino)ethoxy]ethanol:

|                      |   |                                                                     |
|----------------------|---|---------------------------------------------------------------------|
| Effects on fertility | : | Species: Rat, male and female                                       |
|                      |   | Application Route: Inhalation                                       |
|                      |   | Fertility: No observed adverse effect level: 50.8 mg/m <sup>3</sup> |

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Method: OECD Test Guideline 422

**Components:**

2-[2-(dimethylamino)ethoxy]ethanol:

|                               |                                                                                     |
|-------------------------------|-------------------------------------------------------------------------------------|
| Effects on foetal development | : Species: Rat                                                                      |
|                               | Application Route: Inhalation                                                       |
|                               | General Toxicity Maternal: No observed adverse effect level: 50.8 mg/m <sup>3</sup> |
|                               | Method: OECD Test Guideline 422                                                     |
|                               | Result: No teratogenic effects                                                      |

|                                    |                     |
|------------------------------------|---------------------|
| Reproductive toxicity - Assessment | : No data available |
|------------------------------------|---------------------|

**STOT - single exposure**

No data available

**STOT - repeated exposure**

No data available

**Repeated dose toxicity****Components:**

2-[2-(dimethylamino)ethoxy]ethanol:

Species: Rat, male and female  
NOEC: 50.8 mg/m<sup>3</sup>  
Application Route: Inhalation  
Test atmosphere: dust/mist  
Exposure time: 696 h  
Number of exposures: 6 h  
Method: OECD Test Guideline 422

|                                     |                     |
|-------------------------------------|---------------------|
| Repeated dose toxicity - Assessment | : No data available |
|-------------------------------------|---------------------|

**Aspiration toxicity**

No data available

**Experience with human exposure**

|                      |                   |
|----------------------|-------------------|
| General Information: | No data available |
|----------------------|-------------------|

|             |                   |
|-------------|-------------------|
| Inhalation: | No data available |
|-------------|-------------------|

|               |                   |
|---------------|-------------------|
| Skin contact: | No data available |
|---------------|-------------------|

|              |                   |
|--------------|-------------------|
| Eye contact: | No data available |
|--------------|-------------------|

|            |                   |
|------------|-------------------|
| Ingestion: | No data available |
|------------|-------------------|

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**Toxicology, Metabolism, Distribution**

No data available

**Neurological effects**

No data available

**Further information**

Ingestion: No data available

**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity****Components:**

2-[2-(dimethylamino)ethoxy]ethanol:

|                  |   |                                               |
|------------------|---|-----------------------------------------------|
| Toxicity to fish | : | LC50 (Leuciscus idus (Golden orfe)): 320 mg/l |
|                  |   | Exposure time: 96 h                           |
|                  |   | Test Type: static test                        |
|                  |   | Test substance: Fresh water                   |
|                  |   | Method: DIN 38412                             |

**Components:**

2-[2-(dimethylamino)ethoxy]ethanol:

|                                                     |   |                                               |
|-----------------------------------------------------|---|-----------------------------------------------|
| Toxicity to daphnia and other aquatic invertebrates | : | EC50 (Daphnia magna (Water flea)): > 100 mg/l |
|                                                     |   | Exposure time: 48 h                           |
|                                                     |   | Test Type: static test                        |
|                                                     |   | Test substance: Fresh water                   |
|                                                     |   | Method: OECD Test Guideline 202               |

**Components:**

2-[2-(dimethylamino)ethoxy]ethanol:

|                                  |   |                                                           |
|----------------------------------|---|-----------------------------------------------------------|
| Toxicity to algae/aquatic plants | : | ErC50 (Selenastrum capricornutum (green algae)): 160 mg/l |
|                                  |   | Exposure time: 72 h                                       |
|                                  |   | Test Type: static test                                    |
|                                  |   | Test substance: Fresh water                               |
|                                  |   | Method: OECD Test Guideline 201                           |

|                                   |   |                   |
|-----------------------------------|---|-------------------|
| M-Factor (Acute aquatic toxicity) | : | No data available |
|-----------------------------------|---|-------------------|

|                                     |   |                   |
|-------------------------------------|---|-------------------|
| Toxicity to fish (Chronic toxicity) | : | No data available |
|-------------------------------------|---|-------------------|

|                                                                        |   |                   |
|------------------------------------------------------------------------|---|-------------------|
| Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) | : | No data available |
|------------------------------------------------------------------------|---|-------------------|

|                                     |   |                   |
|-------------------------------------|---|-------------------|
| M-Factor (Chronic aquatic toxicity) | : | No data available |
|-------------------------------------|---|-------------------|

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toxicity)

Toxicity to microorganisms : No data available

Toxicity to soil dwelling organisms : No data available

Plant toxicity : No data available

Sediment toxicity : No data available

Toxicity to terrestrial organisms : No data available

Ecotoxicology Assessment  
Acute aquatic toxicity : No data available

Chronic aquatic toxicity : No data available

Toxicity Data on Soil : No data available

Other organisms relevant to  
the environment : No data available**Persistence and degradability****Components:**

2-[2-(dimethylamino)ethoxy]ethanol:

Biodegradability : Inoculum: activated sludge  
Concentration: 400 mg/l  
Biodegradation: 10 - 20 %  
Exposure time: 28 d  
Method: OECD Test Guideline 302B

Inoculum: activated sludge  
Concentration: 100 mg/l  
Result: Not readily biodegradable.  
Biodegradation: 2 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301F

Biochemical Oxygen  
Demand (BOD) : No data availableChemical Oxygen Demand  
(COD) : No data available

BOD/COD : No data available

ThOD : No data available

BOD/ThOD : No data available

Dissolved organic carbon  
(DOC) : No data available

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Physico-chemical  
removability : No data available

Stability in water : No data available

Photodegradation : No data available

Impact on Sewage  
Treatment : No data available

**Bioaccumulative potential**

Bioaccumulation : No data available

Partition coefficient: n-  
octanol/water - Product : log Pow: -0.778 (68 °F / 20 °C)  
Method: OECD Test Guideline 107

**Mobility in soil**

Mobility : No data available

Distribution among  
environmental compartments : No data available

Stability in soil : No data available

**Other adverse effects**

Environmental fate and  
pathways : No data available

Results of PBT and vPvB  
assessment : No data available

Endocrine disrupting  
potential : No data available

Adsorbed organic bound  
halogens (AOX) : No data available

**Hazardous to the ozone layer**

Ozone-Depletion Potential : Regulation: 40 CFR Protection of Environment; Part 82  
Protection of Stratospheric Ozone - CAA Section 602 Class I  
Substances  
Remarks: This product neither contains, nor was  
manufactured with a Class I or Class II ODS as defined by the  
U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A +  
B).

Additional ecological  
information : No data available

Global warming potential  
(GWP) : No data available

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**SECTION 13. DISPOSAL CONSIDERATIONS****Disposal methods**

- |                        |                                                                                                                                                                                                                                                                                                                                     |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Waste from residues    | : Do not dispose of waste into sewer.<br>Do not contaminate ponds, waterways or ditches with chemical or used container.<br>Send to a licensed waste management company.<br>Dispose of as hazardous waste in compliance with local and national regulations.<br>Dispose of contents/ container to an approved waste disposal plant. |
| Contaminated packaging | : Empty remaining contents.<br>Dispose of as unused product.<br>Do not re-use empty containers.<br>Do not burn, or use a cutting torch on, the empty drum.                                                                                                                                                                          |

**SECTION 14. TRANSPORT INFORMATION****International Regulations****IATA**

- |                                          |                                                                     |
|------------------------------------------|---------------------------------------------------------------------|
| UN/ID No.                                | : UN 2735                                                           |
| Proper shipping name                     | : Amines, liquid, corrosive, n.o.s.<br>(DIMETHYLAMINOETHOXYETHANOL) |
| Class                                    | : 8                                                                 |
| Packing group                            | : III                                                               |
| Labels                                   | : Corrosive                                                         |
| Packing instruction (cargo aircraft)     | : 856                                                               |
| Packing instruction (passenger aircraft) | : 852                                                               |

**IMDG**

- |                      |                                                                     |
|----------------------|---------------------------------------------------------------------|
| UN number            | : UN 2735                                                           |
| Proper shipping name | : AMINES, LIQUID, CORROSIVE, N.O.S.<br>(DIMETHYLAMINOETHOXYETHANOL) |
| Class                | : 8                                                                 |
| Packing group        | : III                                                               |
| Labels               | : 8                                                                 |
| EmS Code             | : F-A, S-B                                                          |
| Marine pollutant     | : no                                                                |

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable for product as supplied.

**National Regulations****DOT Classification**

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UN/ID/NA number : UN 2735  
Proper shipping name : AMINES, LIQUID, CORROSIVE, N.O.S.  
(DIMETHYLAMINOETHOXYETHANOL)  
Class : 8  
Packing group : III  
Labels : CORROSIVE  
ERG Code : 153  
Marine pollutant : no

**Special precautions for user**

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

**SECTION 15. REGULATORY INFORMATION****EPCRA - Emergency Planning and Community Right-to-Know Act****CERCLA Reportable Quantity**

| Components      | CAS-No.  | Component RQ<br>(lbs) | Calculated product RQ<br>(lbs) |
|-----------------|----------|-----------------------|--------------------------------|
| Ethylene glycol | 107-21-1 | 5000                  | 505051                         |
| trimethylamine  | 75-50-3  | 100                   | *                              |

\*: Calculated RQ exceeds reasonably attainable upper limit.

**SARA 311/312 Hazards** : Flammable (gases, aerosols, liquids, or solids)  
Acute toxicity (any route of exposure)  
Skin corrosion or irritation  
Serious eye damage or eye irritation

**SARA 313** : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

**California Prop. 65**

WARNING: This product can expose you to chemicals including Ethylene glycol, which is/are known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**The components of this product are reported in the following inventories:**

CH INV : On the inventory, or in compliance with the inventory  
DSL : All components of this product are on the Canadian DSL  
AICS : On the inventory, or in compliance with the inventory  
ENCS : On the inventory, or in compliance with the inventory  
NZIoC : On the inventory, or in compliance with the inventory

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KECI : On the inventory, or in compliance with the inventory

PICCS : On the inventory, or in compliance with the inventory

IECSC : On the inventory, or in compliance with the inventory

TCSI : On the inventory, or in compliance with the inventory

TSCA : On the inventory, or in compliance with the inventory

**Inventories**

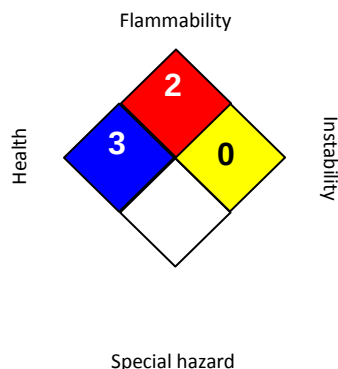
AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TSCA (USA)

**TSCA - 5(a) Significant New Use Rule List of Chemicals**

No substances are subject to a Significant New Use Rule.

**US. Toxic Substances Control Act (TSCA) Section 12(b) Export Notification (40 CFR 707, Subpt D)**

No substances are subject to TSCA 12(b) export notification requirements.

**SECTION 16. OTHER INFORMATION****Further information****NFPA 704:****HMIS® IV:**

|                        |  |          |
|------------------------|--|----------|
| <b>HEALTH</b>          |  | <b>3</b> |
| <b>FLAMMABILITY</b>    |  | <b>2</b> |
| <b>PHYSICAL HAZARD</b> |  | <b>0</b> |

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "\*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard

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The information and recommendations in this publication are to the best of our knowledge, information and belief accurate at the date of publication, NOTHING HEREIN IS TO BE CONSTRUED AS A WARRANTY, EXPRESS OR OTHERWISE.

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|         |                |              |                                 |
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IN ALL CASES, IT IS THE RESPONSIBILITY OF THE USER TO DETERMINE THE APPLICABILITY OF SUCH INFORMATION AND RECOMMENDATIONS AND THE SUITABILITY OF ANY PRODUCT FOR ITS OWN PARTICULAR PURPOSE.

THE PRODUCT MAY PRESENT HAZARDS AND SHOULD BE USED WITH CAUTION. WHILE CERTAIN HAZARDS ARE DESCRIBED IN THIS PUBLICATION, NO GUARANTEE IS MADE THAT THESE ARE THE ONLY HAZARDS THAT EXIST.

Hazards, toxicity and behaviour of the products may differ when used with other materials and are dependent upon the manufacturing circumstances or other processes. Such hazards, toxicity and behaviour should be determined by the user and made known to handlers, processors and end users.

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