

## SAFETY DATA SHEET

### 1. Identification

|                                                        |                                                         |              |  |
|--------------------------------------------------------|---------------------------------------------------------|--------------|--|
| Product identifier                                     | CIM ECO Epoxy Primer Hardener                           |              |  |
| Other means of identification                          | None.                                                   |              |  |
| Recommended use                                        | Epoxy Primer for CIM Coatings                           |              |  |
| Recommended restrictions                               | No other uses are advised.                              |              |  |
| Manufacturer/Importer/Supplier/Distributor information |                                                         |              |  |
| Manufacturer                                           |                                                         |              |  |
| Company name                                           | CIM INDUSTRIES INC                                      |              |  |
| Address                                                | 6900 NELMS STREET<br>HOUSTON, TX 77061<br>United States |              |  |
| Telephone                                              | General Assistance                                      | 800 543-3458 |  |
| E-mail                                                 | info@chasecorp.com                                      |              |  |
| Emergency phone number                                 | Chemtrec (US - 24 hrs)                                  | 800 424-9300 |  |
|                                                        | Chemtrec (INTL - 24 hrs)                                | 703-527-3887 |  |

### 2. Hazard(s) identification

|                              |                                                        |             |
|------------------------------|--------------------------------------------------------|-------------|
| <b>Physical hazards</b>      | Not classified.                                        |             |
| <b>Health hazards</b>        | Skin corrosion/irritation                              | Category 2  |
|                              | Serious eye damage/eye irritation                      | Category 2A |
|                              | Sensitization, skin                                    | Category 1  |
| <b>Environmental hazards</b> | Hazardous to the aquatic environment, acute hazard     | Category 3  |
|                              | Hazardous to the aquatic environment, long-term hazard | Category 3  |
| <b>OSHA defined hazards</b>  | Not classified.                                        |             |

#### Label elements



**Signal word** Warning

#### Hazard statement

|      |                                                    |
|------|----------------------------------------------------|
| H315 | Causes skin irritation.                            |
| H317 | May cause an allergic skin reaction.               |
| H319 | Causes serious eye irritation.                     |
| H402 | Harmful to aquatic life.                           |
| H412 | Harmful to aquatic life with long lasting effects. |

**Precautionary statement****Prevention**

|      |                                                                      |
|------|----------------------------------------------------------------------|
| P261 | Avoid breathing mist/vapors.                                         |
| P264 | Wash thoroughly after handling.                                      |
| P272 | Contaminated work clothing must not be allowed out of the workplace. |
| P273 | Avoid release to the environment.                                    |
| P280 | Wear eye protection/face protection.                                 |
| P280 | Wear protective gloves.                                              |

**Response**

|                    |                                                                                                                                  |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------|
| P302 + P350        | If on skin: Wash with plenty of water.                                                                                           |
| P305 + P351 + P338 | If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P333 + P313        | If skin irritation or rash occurs: Get medical advice/attention.                                                                 |
| P337 + P313        | If eye irritation persists: Get medical advice/attention.                                                                        |
| P362 + P364        | Take off contaminated clothing and wash it before reuse.                                                                         |

**Storage**

Not available.

**Disposal**

|      |                                                                                                     |
|------|-----------------------------------------------------------------------------------------------------|
| P501 | Dispose of contents/container in accordance with local/regional/national/international regulations. |
|------|-----------------------------------------------------------------------------------------------------|

**Hazard(s) not otherwise classified (HNOC)**

None known.

**Supplemental information**

54.7% of the mixture consists of component(s) of unknown acute oral toxicity. 57.4% of the mixture consists of component(s) of unknown acute dermal toxicity. 57.4% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 56.4% of the mixture consists of component(s) of unknown long-term hazards to the aquatic environment.

**3. Composition/information on ingredients****Mixtures**

| Chemical name                              | Common name and synonyms | CAS number  | %         |
|--------------------------------------------|--------------------------|-------------|-----------|
| 3,5-dimethyl-1h-pyrazole-4-carboxylic Acid |                          | 135108-88-2 | 40 - < 50 |
| Benzyl alcohol                             |                          | 100-51-6    | 40 - < 50 |
| Trimethylhexane-1,6-diamine                |                          | 25620-58-0  | 5 - < 10  |
| 2,4,6-tris(dimethylaminomethyl)phenol      |                          | 90-72-2     | 3 - < 5   |
| 4,4'-methylenebis(cyclohexylamine)         |                          | 1761-71-3   | 3 - < 5   |

**4. First-aid measures****Inhalation**

Move to fresh air. Call a physician if symptoms develop or persist.

**Skin contact**

Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions. Wash contaminated clothing before reuse.

**Eye contact**

Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

**Ingestion**

Rinse mouth. Get medical attention if symptoms occur.

**Most important symptoms/effects, acute and delayed**

Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash.

**Indication of immediate medical attention and special treatment needed**

Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

**General information**

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

## 5. Fire-fighting measures

|                                                                      |                                                                                               |
|----------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| <b>Suitable extinguishing media</b>                                  | Foam. Powder. Carbon dioxide (CO <sub>2</sub> ).                                              |
| <b>Unsuitable extinguishing media</b>                                | Do not use water jet as an extinguisher, as this will spread the fire.                        |
| <b>Specific hazards arising from the chemical</b>                    | During fire, gases hazardous to health may be formed.                                         |
| <b>Special protective equipment and precautions for firefighters</b> | Self-contained breathing apparatus and full protective clothing must be worn in case of fire. |
| <b>Fire fighting equipment/instructions</b>                          | Move containers from fire area if you can do so without risk.                                 |
| <b>Specific methods</b>                                              | Use standard firefighting procedures and consider the hazards of other involved materials.    |
| <b>General fire hazards</b>                                          | No unusual fire or explosion hazards noted.                                                   |

## 6. Accidental release measures

|                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|----------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Personal precautions, protective equipment and emergency procedures</b> | Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist/vapors. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.                                                                                            |
| <b>Methods and materials for containment and cleaning up</b>               | <p>Prevent product from entering drains.</p> <p>Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.</p> <p>Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.</p> <p>Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.</p> |
| <b>Environmental precautions</b>                                           | Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.                                                                                                                                                                                                                                                                                                       |

## 7. Handling and storage

|                                                                     |                                                                                                                                                                                                                                                                |
|---------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Precautions for safe handling</b>                                | Avoid breathing mist/vapors. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices. |
| <b>Conditions for safe storage, including any incompatibilities</b> | Store in tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).                                                                                                                                                         |

## 8. Exposure controls/personal protection

### Occupational exposure limits

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

#### US. OARS. Workplace Environmental Exposure Level (WEEL) Guide

| Components                    | Type | Value                  |
|-------------------------------|------|------------------------|
| Benzyl alcohol (CAS 100-51-6) | TWA  | 44.2 mg/m <sup>3</sup> |
|                               |      | 10 ppm                 |

|                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                      |
|------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Biological limit values</b>                                               | No biological exposure limits noted for the ingredient(s).                                                                                                                                                                                                                                                                                                                                           |
| <b>Appropriate engineering controls</b>                                      | Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station and safety shower. |
| <b>Individual protection measures, such as personal protective equipment</b> |                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Eye/face protection</b>                                                   | Wear safety glasses with side shields (or goggles). Face shield is recommended.                                                                                                                                                                                                                                                                                                                      |

|                               |                                                                                          |
|-------------------------------|------------------------------------------------------------------------------------------|
| <b>Skin protection</b>        |                                                                                          |
| <b>Hand protection</b>        | Wear appropriate chemical resistant gloves.                                              |
| <b>Other</b>                  | Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended. |
| <b>Respiratory protection</b> | In case of insufficient ventilation, wear suitable respiratory equipment.                |
| <b>Thermal hazards</b>        | Not applicable.                                                                          |

**General hygiene considerations** Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

## 9. Physical and chemical properties

### Appearance

|                                                |                              |
|------------------------------------------------|------------------------------|
| <b>Physical state</b>                          | Liquid.                      |
| <b>Form</b>                                    | Liquid.                      |
| <b>Color</b>                                   | Dark brown                   |
| <b>Odor</b>                                    | Amine-like.                  |
| <b>Odor threshold</b>                          | Not available.               |
| <b>pH</b>                                      | Not available.               |
| <b>Melting point/freezing point</b>            | 40.35 °F (4.64 °C) estimated |
| <b>Initial boiling point and boiling range</b> | >392 °F (>200 °C)            |
| <b>Flash point</b>                             | >212.0 °F (>100.0 °C)        |
| <b>Evaporation rate</b>                        | Not available.               |
| <b>Flammability (solid, gas)</b>               | Not applicable.              |

### Upper/lower flammability or explosive limits

|                                                |                    |
|------------------------------------------------|--------------------|
| <b>Explosive limit - lower (%)</b>             | Not available.     |
| <b>Explosive limit - upper (%)</b>             | Not available.     |
| <b>Vapor pressure</b>                          | 0.14 hPa estimated |
| <b>Vapor density</b>                           | Not available.     |
| <b>Relative density</b>                        | Not available.     |
| <b>Solubility(ies)</b>                         |                    |
| <b>Solubility (water)</b>                      | Insignificant      |
| <b>Partition coefficient (n-octanol/water)</b> | Not available.     |
| <b>Auto-ignition temperature</b>               | >842 °F (>450 °C)  |
| <b>Decomposition temperature</b>               | Not available.     |
| <b>Viscosity</b>                               | 500 cP             |

### Other information

|                             |                                  |
|-----------------------------|----------------------------------|
| <b>Density</b>              | 1.04 g/cm3 estimated             |
| <b>Explosive properties</b> | Not explosive.                   |
| <b>Flammability class</b>   | Combustible IIIB estimated       |
| <b>Oxidizing properties</b> | Not oxidizing.                   |
| <b>Percent volatile</b>     | >97 % When mixed with the Resin  |
| <b>Specific gravity</b>     | 1.01                             |
| <b>VOC</b>                  | 36 g/l When mixed with the Resin |

## 10. Stability and reactivity

|                           |                                                                                               |
|---------------------------|-----------------------------------------------------------------------------------------------|
| <b>Reactivity</b>         | The product is stable and non-reactive under normal conditions of use, storage and transport. |
| <b>Chemical stability</b> | Material is stable under normal conditions.                                                   |

|                                           |                                                             |
|-------------------------------------------|-------------------------------------------------------------|
| <b>Possibility of hazardous reactions</b> | No dangerous reaction known under conditions of normal use. |
| <b>Conditions to avoid</b>                | Contact with incompatible materials.                        |
| <b>Incompatible materials</b>             | Peroxides. Phenols.                                         |
| <b>Hazardous decomposition products</b>   | No hazardous decomposition products are known.              |

## 11. Toxicological information

### Information on likely routes of exposure

|                     |                                                              |
|---------------------|--------------------------------------------------------------|
| <b>Inhalation</b>   | Prolonged inhalation may be harmful.                         |
| <b>Skin contact</b> | Causes skin irritation. May cause an allergic skin reaction. |
| <b>Eye contact</b>  | Causes serious eye irritation.                               |
| <b>Ingestion</b>    | Expected to be a low ingestion hazard.                       |

|                                                                                     |                                                                                                                                                                                                           |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Symptoms related to the physical, chemical and toxicological characteristics</b> | Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash. |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### Information on toxicological effects

|                       |            |
|-----------------------|------------|
| <b>Acute toxicity</b> | Not known. |
|-----------------------|------------|

| Product                       | Species | Test Results       |
|-------------------------------|---------|--------------------|
| CIM ECO Epoxy Primer Hardener |         |                    |
| <b><u>Acute</u></b>           |         |                    |
| <b>Dermal</b>                 |         |                    |
| LD50                          | Rabbit  | 4728 mg/kg         |
| <b>Inhalation</b>             |         |                    |
| LC50                          | Rat     | 2364 mg/l, 8 Hours |
| <b>Oral</b>                   |         |                    |
| LD50                          | Rat     | 2908 mg/kg         |

| Components                                                   | Species | Test Results           |
|--------------------------------------------------------------|---------|------------------------|
| 2,4,6-tris(dimethylaminomethyl)phenol (CAS 90-72-2)          |         |                        |
| <b><u>Acute</u></b>                                          |         |                        |
| <b>Dermal</b>                                                |         |                        |
| LD50                                                         | Rat     | > 1000 mg/kg           |
| <b>Oral</b>                                                  |         |                        |
| LD50                                                         | Rat     | 2169 mg/kg             |
|                                                              |         | 1200 mg/kg             |
| 3,5-dimethyl-1h-pyrazole-4-carboxylic Acid (CAS 135108-88-2) |         |                        |
| <b><u>Acute</u></b>                                          |         |                        |
| <b>Dermal</b>                                                |         |                        |
| LD50                                                         | Rabbit  | > 1000 mg/kg, 24 Hours |
| <b>Oral</b>                                                  |         |                        |
| LD50                                                         | Rat     | 50 - 300 mg/kg         |
| 4,4'-methylenebis(cyclohexylamine) (CAS 1761-71-3)           |         |                        |
| <b><u>Acute</u></b>                                          |         |                        |
| <b>Oral</b>                                                  |         |                        |
| LD50                                                         | Rat     | 670 mg/kg              |
| Benzyl alcohol (CAS 100-51-6)                                |         |                        |
| <b><u>Acute</u></b>                                          |         |                        |
| <b>Dermal</b>                                                |         |                        |
| LD50                                                         | Rabbit  | > 2000 mg/kg           |

| Components                                                            | Species                                                                                                          | Test Results          |
|-----------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|-----------------------|
| <b>Inhalation</b>                                                     |                                                                                                                  |                       |
| <i>Mist</i>                                                           |                                                                                                                  |                       |
| LC50                                                                  | Rat                                                                                                              | > 4.178 mg/l, 4 hours |
| <b>Oral</b>                                                           |                                                                                                                  |                       |
| LD50                                                                  | Rat                                                                                                              | 1620 mg/kg            |
| <b>Skin corrosion/irritation</b>                                      | Causes skin irritation.                                                                                          |                       |
| <b>Serious eye damage/eye irritation</b>                              | Causes serious eye irritation.                                                                                   |                       |
| <b>Respiratory or skin sensitization</b>                              |                                                                                                                  |                       |
| <b>Respiratory sensitization</b>                                      | Not a respiratory sensitizer.                                                                                    |                       |
| <b>Skin sensitization</b>                                             | May cause an allergic skin reaction.                                                                             |                       |
| <b>Germ cell mutagenicity</b>                                         | No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic. |                       |
| <b>Carcinogenicity</b>                                                | Not classifiable as to carcinogenicity to humans.                                                                |                       |
| <b>IARC Monographs. Overall Evaluation of Carcinogenicity</b>         |                                                                                                                  |                       |
| Not listed.                                                           |                                                                                                                  |                       |
| <b>OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)</b> |                                                                                                                  |                       |
| Not listed.                                                           |                                                                                                                  |                       |
| <b>US. National Toxicology Program (NTP) Report on Carcinogens</b>    |                                                                                                                  |                       |
| Not listed.                                                           |                                                                                                                  |                       |
| <b>Reproductive toxicity</b>                                          | This product is not expected to cause reproductive or developmental effects.                                     |                       |
| <b>Specific target organ toxicity - single exposure</b>               | Not classified.                                                                                                  |                       |
| <b>Specific target organ toxicity - repeated exposure</b>             | Not classified.                                                                                                  |                       |
| <b>Aspiration hazard</b>                                              | Not an aspiration hazard.                                                                                        |                       |
| <b>Chronic effects</b>                                                | Prolonged inhalation may be harmful.                                                                             |                       |

## 12. Ecological information

| Ecotoxicity                                        |      | Harmful to aquatic life with long lasting effects. |                                   |
|----------------------------------------------------|------|----------------------------------------------------|-----------------------------------|
| Product                                            |      | Species                                            | Test Results                      |
| CIM ECO Epoxy Primer Hardener                      |      |                                                    |                                   |
| Aquatic                                            |      |                                                    |                                   |
| Fish                                               | LC50 | Fish                                               | 382.5847 mg/l, 96 hours           |
| Acute                                              |      |                                                    |                                   |
| Crustacea                                          | EC50 | Daphnia                                            | 115.7862 mg/l, 48 hours estimated |
| Fish                                               | LC50 | Fish                                               | 492.6149 mg/l, 96 hours estimated |
| Components                                         |      | Species                                            | Test Results                      |
| 4,4'-methylenebis(cyclohexylamine) (CAS 1761-71-3) |      |                                                    |                                   |
| Aquatic                                            |      |                                                    |                                   |
| Acute                                              |      |                                                    |                                   |
| Crustacea                                          | EC50 | Daphnia                                            | 7.64 mg/l, 48 hours               |
| Fish                                               | LC50 | Fish                                               | 67.8 mg/l, 96 hours               |
| Benzyl alcohol (CAS 100-51-6)                      |      |                                                    |                                   |
| Aquatic                                            |      |                                                    |                                   |
| Acute                                              |      |                                                    |                                   |
| Fish                                               | LC50 | Fathead minnow (Pimephales promelas)               | 460 mg/l, 96 hours                |

**Persistence and degradability** No data is available on the degradability of any ingredients in the mixture.

## Bioaccumulative potential

### Partition coefficient n-octanol / water (log Kow)

Benzyl alcohol (CAS 100-51-6) 1.1

**Mobility in soil** No data available.

**Other adverse effects** The product contains volatile organic compounds which have a photochemical ozone creation potential.

## 13. Disposal considerations

**Disposal instructions** Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

**Local disposal regulations** Dispose in accordance with all applicable regulations.

**Hazardous waste code** The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

**Waste from residues / unused products** Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner.

**Contaminated packaging** Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

## 14. Transport information

### DOT

Not regulated as dangerous goods.

### IATA

Not regulated as dangerous goods.

### IMDG

Not regulated as dangerous goods.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not established.

## 15. Regulatory information

**US federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**Toxic Substances Control Act (TSCA)** One or more components of the mixture are not on the TSCA 8(b) inventory or are designated "inactive".

### TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

### CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

### SARA 304 Emergency release notification

Not regulated.

### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not listed.

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

#### SARA 302 Extremely hazardous substance

Not listed.

**SARA 311/312 Hazardous chemical** Yes

**Classified hazard categories** Skin corrosion or irritation  
Serious eye damage or eye irritation  
Respiratory or skin sensitization

#### SARA 313 (TRI reporting)

Not regulated.

## Other federal regulations

### Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

### Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

**Safe Drinking Water Act (SDWA)** Not regulated.

## US state regulations

### California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

## International Inventories

| Country(s) or region        | Inventory name                                                         | On inventory (yes/no)* |
|-----------------------------|------------------------------------------------------------------------|------------------------|
| Australia                   | Australian Inventory of Industrial Chemicals (AICIS)                   | Yes                    |
| Canada                      | Domestic Substances List (DSL)                                         | Yes                    |
| Canada                      | Non-Domestic Substances List (NDSL)                                    | Yes                    |
| China                       | Inventory of Existing Chemical Substances in China (IECSC)             | Yes                    |
| Europe                      | European Inventory of Existing Commercial Chemical Substances (EINECS) | Yes                    |
| Europe                      | European List of Notified Chemical Substances (ELINCS)                 | No                     |
| Japan                       | Inventory of Existing and New Chemical Substances (ENCS)               | Yes                    |
| Korea                       | Existing Chemicals List (ECL)                                          | Yes                    |
| New Zealand                 | New Zealand Inventory                                                  | Yes                    |
| Philippines                 | Philippine Inventory of Chemicals and Chemical Substances (PICCS)      | Yes                    |
| Taiwan                      | Taiwan Chemical Substance Inventory (TCSI)                             | Yes                    |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory                          | Yes                    |

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s).  
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## 16. Other information, including date of preparation or last revision

**Issue date** 10-12-2021

**Revision date** 01-31-2025

**Version #** 03

**HMIS® ratings**  
Health: 2  
Flammability: 0  
Physical hazard: 0

**NFPA ratings**  
Health: 2  
Flammability: 0  
Instability: 0

**Disclaimer**  
The information offered in this data sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication, however, no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. This material is intended for industrial use only. No warranty, expressed or implied is made.

**Revision information** This document has undergone significant changes and should be reviewed in its entirety.