

### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
Product name : 10-3044RGR

#### 1.2. Recommended use and restrictions on use

Recommended use : Adhesives  
Restrictions on use : Not to be used for any purpose other than the one the product was designed for

#### 1.3. Supplier

Epoxies, Etc.  
21 Starline Way  
Cranston, RI 02921  
USA  
T 401-946-5564  
[www.epoxies.com](http://www.epoxies.com)

#### 1.4. Emergency telephone number

Emergency number : VelocityEHS: +1 (800) 255-3924, +1 (813) 248-0585

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture

##### GHS US classification

|  |      |   |
|--|------|---|
| Skin corrosion/irritation Category 2                             | H315 | Causes skin irritation                          |
| Serious eye damage/eye irritation Category 2                     | H319 | Causes serious eye irritation                   |
| Skin sensitization, Category 1                                   | H317 | May cause an allergic skin reaction             |
| Hazardous to the aquatic environment – Acute Hazard Category 2   | H401 | Toxic to aquatic life                           |
| Hazardous to the aquatic environment – Chronic Hazard Category 2 | H411 | Toxic to aquatic life with long lasting effects |

Full text of H statements : see section 16

#### 2.2. GHS Label elements, including precautionary statements

##### GHS US labeling

Hazard pictograms (GHS US) :



Signal word (GHS US) :

Warning

Hazard statements (GHS US) :

H315 - Causes skin irritation  
H317 - May cause an allergic skin reaction  
H319 - Causes serious eye irritation  
H401 - Toxic to aquatic life  
H411 - Toxic to aquatic life with long lasting effects

Precautionary statements (GHS US) :

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.  
P264 - Wash hands, forearms and face thoroughly after handling.  
P272 - Contaminated work clothing must not be allowed out of the workplace.  
P273 - Avoid release to the environment.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
P302+P352 - If on skin: Wash with plenty of water.

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P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P321 - Specific treatment (see supplemental first aid instruction on this label).  
P332+P313 - If skin irritation occurs: Get medical advice/attention.  
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.  
P363 - Wash contaminated clothing before reuse.  
P391 - Collect spillage.  
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

### 2.3. Other hazards which do not result in classification

Other hazards which do not result in classification : Harmful dust may be released during cutting, milling or grinding process.

### 2.4. Unknown acute toxicity (GHS US)

No additional information available

## SECTION 3: Composition/Information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name                               | Product identifier  | %       | GHS US classification  |
|------------------------------------|---------------------|---------|--|
| Bisphenol A diglycidyl ether resin | CAS-No.: 25068-38-6 | 30 – 60 | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Skin Sens. 1, H317<br>Aquatic Chronic 2, H411   |
| Epoxy acrylate                     | CAS-No.: 15625-89-5 | 1 – 5   | Acute Tox. 3 (Inhalation:dust,mist), H331<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Skin Sens. 1, H317<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410 |

Comments : Components not listed are either non-hazardous or are below reportable limits.  
\*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret  
Full text of hazard classes and H-statements : see section 16

## SECTION 4: First-aid measures

### 4.1. Description of first aid measures

First-aid measures general : If you feel unwell, seek medical advice.  
First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.  
First-aid measures after skin contact : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.  
First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.  
First-aid measures after ingestion : Call a poison center/doctor/physician if you feel unwell.

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### 4.2. Most important symptoms and effects (acute and delayed)

|                                     |   |
|-------------------------------------|---|
| Symptoms/effects after inhalation   | : Although no appropriate human or animal health effects data are known to exist, this material is expected to be an inhalation hazard. |
| Symptoms/effects after skin contact | : Irritation. May cause an allergic skin reaction.  |
| Symptoms/effects after eye contact  | : Eye irritation.   |
| Symptoms/effects after ingestion    | : None under normal conditions.   |

### 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

## SECTION 5: Fire-fighting measures

### 5.1. Suitable (and unsuitable) extinguishing media

|                                |  |
|--------------------------------|--|
| Suitable extinguishing media   | : Water spray. Dry powder. Foam. Carbon dioxide. |
| Unsuitable extinguishing media | : Do not use a heavy water stream.               |

### 5.2. Specific hazards arising from the chemical

|  |                                |
|--|--------------------------------|
| Fire hazard                                      | : No fire hazard.              |
| Explosion hazard                                 | : No direct explosion hazard.  |
| Hazardous decomposition products in case of fire | : Toxic fumes may be released. |

### 5.3. Special protective equipment and precautions for fire-fighters

|                                |   |
|--------------------------------|---|
| Firefighting instructions      | : Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection. |
| Protection during firefighting | : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.              |

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

|                  |   |
|------------------|---|
| General measures | : Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material-damage. |
|------------------|---|

#### 6.1.1. For non-emergency personnel

|                      |   |
|----------------------|---|
| Protective equipment | : Wear recommended personal protective equipment.   |
| Emergency procedures | : Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray. |

#### 6.1.2. For emergency responders

|                      |   |
|----------------------|---|
| Protective equipment | : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". |
| Emergency procedures | : Evacuate unnecessary personnel. Stop leak if safe to do so.   |

### 6.2. Environmental precautions

Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

|                         |   |
|-------------------------|---|
| For containment         | : Collect spillage. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak, if possible without risk. |
| Methods for cleaning up | : Take up liquid spill into absorbent material.   |
| Other information       | : Dispose of materials or solid residues at an authorized site.   |

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### 6.4. Reference to other sections

For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

|                                   |   |
|-----------------------------------|---|
| Additional hazards when processed | : Not expected to present a significant hazard under anticipated conditions of normal use.  |
| Precautions for safe handling     | : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment. Avoid breathing dust/fume/gas/mist/vapors/spray.   |
| Hygiene measures                  | : Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. |

### 7.2. Conditions for safe storage, including any incompatibilities

|                     |   |
|---------------------|---|
| Technical measures  | : Keep in a cool, well-ventilated place away from heat.                     |
| Storage conditions  | : Keep cool. Protect from sunlight.   |
| Packaging materials | : Store always product in container of same material as original container. |

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Appropriate engineering controls

|                                  |  |
|----------------------------------|--|
| Appropriate engineering controls | : Ensure good ventilation of the work station. |
| Environmental exposure controls  | : Avoid release to the environment.            |

### 8.3. Individual protection measures/Personal protective equipment

#### Personal protective equipment:

Wear recommended personal protective equipment.

|  |
|--|
| <b>Hand protection:</b>  |
| Wear suitable gloves resistant to chemical penetration. Neoprene or nitrile rubber gloves. Butyl-rubber protective gloves. Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer. Refer to manufacturer's information. Gloves must be replaced after each use and whenever signs of wear or perforation appear |
| <b>Eye protection:</b>   |
| Safety glasses   |
| <b>Skin and body protection:</b>   |
| Wear suitable protective clothing  |
| <b>Respiratory protection:</b>   |
| In case of insufficient ventilation, wear suitable respiratory equipment   |

#### Personal protective equipment symbol(s):



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### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

|   |                                      |
|---|--------------------------------------|
| Physical state                                  | : Liquid                             |
| Color   | : According to product specification |
| Odor  | : Mild odour                         |
| Odor threshold                                  | : No data available                  |
| pH  | : No data available                  |
| Melting point                                   | : No data available                  |
| Freezing point                                  | : No data available                  |
| Boiling point                                   | : No data available                  |
| Flash point                                     | : No data available                  |
| Relative evaporation rate (butyl acetate=1)     | : No data available                  |
| Flammability (solid, gas)                       | : No data available                  |
| Vapor pressure                                  | : No data available                  |
| Relative vapor density at 20°C                  | : No data available                  |
| Relative density                                | : No data available                  |
| Solubility                                      | : No data available                  |
| Partition coefficient n-octanol/water (Log Pow) | : No data available                  |
| Auto-ignition temperature                       | : No data available                  |
| Decomposition temperature                       | : No data available                  |
| Viscosity, kinematic                            | : No data available                  |
| Viscosity, dynamic                              | : No data available                  |
| Explosion limits                                | : No data available                  |
| Explosive properties                            | : No data available                  |
| Oxidizing properties                            | : No data available                  |

#### 9.2. Other information

No additional information available

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

#### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

#### 10.5. Incompatible materials

No additional information available

#### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

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### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Not classified

| <b>Bisphenol A diglycidyl ether resin (25068-38-6)</b> |   |
|--|---|
| LD50 oral rat  | > 2000 mg/kg body weight Animal: rat, Animal sex: female, Guideline: OECD Guideline 420 (Acute Oral Toxicity - Fixed Dose Method)               |
| LD50 oral  | 11400 mg/kg   |
| LD50 dermal rat  | > 2000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: EU Method B.3 (Acute Toxicity (Dermal)) |
| ATE US (oral)  | 11400 mg/kg body weight   |

| <b>Epoxy acrylate (15625-89-5)</b> |  |
|------------------------------------|--|
| LD50 oral rat                      | > 5000 mg/kg body weight Animal: rat   |
| LD50 oral                          | 5000 mg/kg   |
| LD50 dermal rabbit                 | 5170 mg/kg Source: RTECS   |
| LD50 dermal                        | 5170 mg/kg   |
| LC50 Inhalation - Rat              | > 0.55 mg/l (6 h, Rat, Male / female, Experimental value, (maximum achievable concentration), Inhalation (vapours), 14 day(s)) |
| ATE US (oral)                      | 5000 mg/kg body weight   |
| ATE US (dermal)                    | 5170 mg/kg body weight   |
| ATE US (dust, mist)                | 0.5 mg/l/4h  |

Skin corrosion/irritation : Causes skin irritation.

| <b>Bisphenol A diglycidyl ether resin (25068-38-6)</b> |                                     |
|--|-------------------------------------|
| pH   | No data available in the literature |

| <b>Epoxy acrylate (15625-89-5)</b> |                                     |
|------------------------------------|-------------------------------------|
| pH                                 | No data available in the literature |

Serious eye damage/irritation : Causes serious eye irritation.

| <b>Bisphenol A diglycidyl ether resin (25068-38-6)</b> |                                     |
|--|-------------------------------------|
| pH   | No data available in the literature |

| <b>Epoxy acrylate (15625-89-5)</b> |                                     |
|------------------------------------|-------------------------------------|
| pH                                 | No data available in the literature |

Respiratory or skin sensitization : May cause an allergic skin reaction.

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

| <b>Bisphenol A diglycidyl ether resin (25068-38-6)</b> |   |
|--|---|
| NOAEL (chronic,oral,animal/male,2 years)               | 15 mg/kg body weight Animal: rat, Animal sex: male, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies), Guideline: EPA OPPTS 870.4300 (Combined Chronic Toxicity / Carcinogenicity), Guideline: other:MITI, Japanese ministry of international trade and industry, February 1998, Remarks on results: other:Effect type: toxicity (migrated information) |

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| Bisphenol A diglycidyl ether resin (25068-38-6) |  |
|---|--|
| NOAEL (chronic,oral,animal/female,2 years)      | 100 mg/kg body weight Animal: rat, Animal sex: female, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies), Guideline: EPA OPPTS 870.4300 (Combined Chronic Toxicity / Carcinogenicity), Guideline: other:MITI, Japanese ministry of international trade and industry, February 1998, Remarks on results: other:Effect type: toxicity (migrated information) |

| Epoxy acrylate (15625-89-5) |                                      |
|-----------------------------|--------------------------------------|
| IARC group                  | 2B - Possibly carcinogenic to humans |

Reproductive toxicity : Not classified  
STOT-single exposure : Not classified  
STOT-repeated exposure : Not classified

| Bisphenol A diglycidyl ether resin (25068-38-6) |  |
|---|--|
| NOAEL (oral,rat,90 days)                        | 50 mg/kg body weight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents), Guideline: EPA OPPTS 870.3100 (90-Day Oral Toxicity in Rodents), Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: other:japanese MITI guidelines for toxicity testing of chemicals |

| Epoxy acrylate (15625-89-5) |  |
|-----------------------------|--|
| NOAEL (oral,rat,90 days)    | 250 mg/kg body weight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test) |

Aspiration hazard : Not classified  
Viscosity, kinematic : No data available

| Bisphenol A diglycidyl ether resin (25068-38-6) |                                     |
|---|-------------------------------------|
| Viscosity, kinematic                            | No data available in the literature |

| Epoxy acrylate (15625-89-5) |  |
|-----------------------------|--|
| Viscosity, kinematic        | 110 mm <sup>2</sup> /s (20 °C, Calculated) |

Symptoms/effects after inhalation : Although no appropriate human or animal health effects data are known to exist, this material is expected to be an inhalation hazard.  
Symptoms/effects after skin contact : Irritation. May cause an allergic skin reaction.  
Symptoms/effects after eye contact : Eye irritation.  
Symptoms/effects after ingestion : None under normal conditions.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : Toxic to aquatic life. Toxic to aquatic life with long lasting effects.

| Bisphenol A diglycidyl ether resin (25068-38-6) |  |
|---|--|
| LC50 - Fish [1]                                 | 1.3 mg/l (96 h, Pisces, Literature study)  |
| EC50 - Crustacea [1]                            | 2 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Nominal concentration) |
| EC50 72h - Algae [1]                            | 9.4 mg/l (EPA 660/3 - 75/009, Selenastrum capricornutum, Static system, Fresh water, Experimental value, Biomass)                                    |
| EC50 72h - Algae [2]                            | > 11 mg/l Test organisms (species): Scenedesmus capricornutum  |
| LOEC (chronic)                                  | 1 mg/l Test organisms (species): Daphnia magna Duration: '21 d'  |
| NOEC (chronic)                                  | 0.3 mg/l Test organisms (species): Daphnia magna Duration: '21 d'  |

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| Epoxy acrylate (15625-89-5) |   |
|-----------------------------|---|
| LC50 - Fish [1]             | 1.47 mg/l Test organisms (species): Leuciscus idus  |
| EC50 96h - Algae [1]        | 4.86 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)                            |
| ErC50 algae                 | 4.86 mg/l (EU Method C.3, 96 h, Scenedesmus subspicatus, Static system, Fresh water, Experimental value, Nominal concentration) |

### 12.2. Persistence and degradability

| 10-3044RGR                                      |                                     |
|---|-------------------------------------|
| Persistence and degradability                   | Not rapidly degradable              |
| Bisphenol A diglycidyl ether resin (25068-38-6) |                                     |
| Persistence and degradability                   | Not readily biodegradable in water. |
| Epoxy acrylate (15625-89-5)                     |                                     |
| Persistence and degradability                   | Readily biodegradable in water.     |
| ThOD  | 1.835 g O <sub>2</sub> /g substance |

### 12.3. Bioaccumulative potential

| Bisphenol A diglycidyl ether resin (25068-38-6) |   |
|---|---|
| Partition coefficient n-octanol/water (Log Pow) | 3 (Estimated value, 25 °C)                          |
| Bioaccumulative potential                       | Low potential for bioaccumulation (Log Kow < 4).    |
| Epoxy acrylate (15625-89-5)                     |   |
| BCF - Fish [1]                                  | 344 l/kg (BCFBAF v3.01, Pisces, QSAR, Fresh weight) |
| Partition coefficient n-octanol/water (Log Pow) | 2.86 Source: QSAR                                   |
| Bioaccumulative potential                       | Low potential for bioaccumulation (BCF < 500).      |

### 12.4. Mobility in soil

| Bisphenol A diglycidyl ether resin (25068-38-6)            |   |
|--|---|
| Surface tension  | 59 mN/m (20 °C, 0.09 g/l)   |
| Ecology - soil   | No (test)data on mobility of the substance available.   |
| Epoxy acrylate (15625-89-5)                                |   |
| Surface tension  | 51 mN/m (20 °C, 90 %, OECD 115: Surface Tension of Aqueous Solutions)   |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 2.2 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value, GLP) |
| Ecology - soil   | Low potential for adsorption in soil.   |

### 12.5. Other adverse effects

No additional information available



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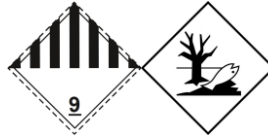
### SECTION 13: Disposal considerations

#### 13.1. Disposal methods

|  |   |
|--|---|
| Regional waste regulation                  | : Disposal must be done according to official regulations.                                    |
| Waste treatment methods                    | : Dispose of contents/container in accordance with licensed collector's sorting instructions. |
| Sewage disposal recommendations            | : Disposal must be done according to official regulations.                                    |
| Product/Packaging disposal recommendations | : Disposal must be done according to official regulations.                                    |
| Additional information                     | : Do not re-use empty containers.   |

### SECTION 14: Transport information

In accordance with DOT / TDG / IMDG / IATA

| DOT   | TDG  | IMDG   | IATA   |
|---|--|--|--|
| <b>14.1. UN number</b>  |  |  |  |
| UN3082  | UN3082   | 3082   | 3082   |
| <b>14.2. Proper Shipping Name</b>   |  |  |  |
| Environmentally hazardous substances, liquid, n.o.s. (reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight $\leq 700$ )) | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight $\leq 700$ )) | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight $\leq 700$ )) | Environmentally hazardous substance, liquid, n.o.s. (reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight $\leq 700$ )) |
| <b>14.3. Transport hazard class(es)</b>   |  |  |  |
| 9   | 9  | 9  | 9  |
|    |   |    |   |
| <b>14.4. Packing group</b>  |  |  |  |
| III   | III  | III  | III  |
| <b>14.5. Environmental hazards</b>  |  |  |  |
| Dangerous for the environment: Yes  | Dangerous for the environment: Yes   | Dangerous for the environment: Yes<br>Marine pollutant: Yes  | Dangerous for the environment: Yes   |
| No supplementary information available  |  |  |  |

#### 14.6. Special precautions for user

##### DOT

UN-No.(DOT) : UN3082

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|  |   |
|--|---|
| DOT Special Provisions (49 CFR 172.102)                          | : 8 - A hazardous substance that is not a hazardous waste may be shipped under the shipping description "Other regulated substances, liquid or solid, n.o.s.", as appropriate. In addition, for solid materials, special provision B54 applies.<br>146 - This description may be used for a material that poses a hazard to the environment but does not meet the definition for a hazardous waste or a hazardous substance, as defined in 171.8 of this subchapter, or any hazard class as defined in Part 173 of this subchapter, if it is designated as environmentally hazardous by the Competent Authority of the country of origin, transit or destination.<br>173 - An appropriate generic entry may be used for this material.<br>335 - Mixtures of solids that are not subject to this subchapter and environmentally hazardous liquids or solids may be classified as "Environmentally hazardous substances, solid, n.o.s.," UN3077 and may be transported under this entry, provided there is no free liquid visible at the time the material is loaded or at the time the packaging or transport unit is closed. Each transport unit must be leak-proof when used as bulk packaging.<br>IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672).<br>T4 - 2.65 178.274(d)(2) Normal..... 178.275(d)(3)<br>TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = $97 / 1 + a (tr - tf)$ Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling.<br>TP29 - A portable tank having a minimum test pressure of 1.5 bar (150.0 kPa) may be used provided the calculated test pressure is 1.5 bar or less based on the MAWP of the hazardous materials, as defined in 178.275 of this subchapter, where the test pressure is 1.5 times the MAWP. |
| DOT Packaging Exceptions (49 CFR 173.xxx)                        | : 155   |
| DOT Packaging Non Bulk (49 CFR 173.xxx)                          | : 203   |
| DOT Packaging Bulk (49 CFR 173.xxx)                              | : 241   |
| DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) | : No limit  |
| DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)     | : No limit  |
| DOT Vessel Stowage Location                                      | : A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.   |
| <b>TDG</b>   |   |
| UN-No. (TDG)   | : UN3082  |

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|--|--|
| TDG Special Provisions                       | : 16 - (1) The technical name of at least one of the most dangerous substances that predominantly contributes to the danger or dangers posed by the dangerous goods must be shown, in parentheses, on the shipping document following the shipping name in accordance with clause 3.5(1)(c)(ii)(A). The technical name must also be shown, in parentheses, on a small means of containment or on a tag following the shipping name in accordance with subsections 4.11(2) and (3).<br>(2) Despite subsection (1), the technical name for the following dangerous goods is not required to be shown on a shipping document or on a small means of containment when Canadian law for domestic transport or an international convention for international transport prohibits the disclosure of the technical name:<br>(a) UN1544, ALKALOID SALTS, SOLID, N.O.S. or ALKALOIDS, SOLID, N.O.S.;<br>(b) UN1851, MEDICINE, LIQUID, TOXIC, N.O.S.;<br>(c) UN3140, ALKALOID SALTS, LIQUID, N.O.S. or ALKALOIDS, LIQUID, N.O.S.;<br>(d) UN3248, MEDICINE, LIQUID, FLAMMABLE, TOXIC, N.O.S.; or<br>(e) UN3249, MEDICINE, SOLID, TOXIC, N.O.S.<br>(3) Despite subsection (1), the technical name for the following dangerous goods is not required to be shown on a small means of containment:<br>(a) UN2814, INFECTIOUS SUBSTANCE, AFFECTING HUMANS; or<br>(b) UN2900, INFECTIOUS SUBSTANCE, AFFECTING ANIMALS,99 - (1) Mixtures of solids that are not dangerous goods and liquids or solids that are UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S, or UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S, may be offered for transport, handled or transported as UN3077 if there is no visible liquid when the dangerous goods are loaded into a means of containment and during transport.<br>(2) These Regulations, except for Parts 1 and 2, do not apply to the offering for transport, handling or transport of less than 450 kg of UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S, or less than 450 L of UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S, on a road vehicle or a railway vehicle. The dangerous goods must be contained in one or more small means of containment designed, constructed, filled, closed, secured and maintained so that under normal conditions of transport, including handling, there will be no release of the dangerous goods that could endanger public safety. |
| Explosive Limit and Limited Quantity Index   | : 5 L  |
| Excepted quantities (TDG)                    | : E1   |
| Emergency Response Guide (ERG) Number        | : 171  |
| <b>IMDG</b>                                  |  |
| Special provision (IMDG)                     | : 274, 335, 969  |
| Limited quantities (IMDG)                    | : 5 L  |
| Excepted quantities (IMDG)                   | : E1   |
| Packing instructions (IMDG)                  | : LP01, P001   |
| Packing provisions (IMDG)                    | : PP1  |
| IBC packing instructions (IMDG)              | : IBC03  |
| Tank instructions (IMDG)                     | : T4   |
| Tank special provisions (IMDG)               | : TP1, TP29  |
| EmS-No. (Fire)                               | : F-A - FIRE SCHEDULE Alfa - GENERAL FIRE SCHEDULE   |
| EmS-No. (Spillage)                           | : S-F - SPILLAGE SCHEDULE Foxtrot - WATER-SOLUBLE MARINE POLLUTANTS  |
| Stowage category (IMDG)                      | : A  |
| <b>IATA</b>                                  |  |
| PCA Excepted quantities (IATA)               | : E1   |
| PCA Limited quantities (IATA)                | : Y964   |
| PCA limited quantity max net quantity (IATA) | : 30kgG  |
| PCA packing instructions (IATA)              | : 964  |
| PCA max net quantity (IATA)                  | : 450L   |
| CAO packing instructions (IATA)              | : 964  |
| CAO max net quantity (IATA)                  | : 450L   |
| Special provision (IATA)                     | : A97, A158, A197, A215  |

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ERG code (IATA) : 9L

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

Not applicable

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

### 15.2. International regulations

#### CANADA

#### Bisphenol A diglycidyl ether resin (25068-38-6)

Listed on the Canadian DSL (Domestic Substances List)

#### Epoxy acrylate (15625-89-5)

Listed on the Canadian DSL (Domestic Substances List)

#### EU-Regulations


No additional information available

#### National regulations

#### Epoxy acrylate (15625-89-5)

Listed on IARC (International Agency for Research on Cancer)  
Listed on INSQ (Mexican National Inventory of Chemical Substances)

### 15.3. US State regulations

 **WARNING:** This product can expose you to Ethylbenzene, which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

## SECTION 16: Other information

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| Full text of hazard classes and H-statements |  |
|--|--|
| H315   | Causes skin irritation                               |
| H317   | May cause an allergic skin reaction                  |
| H319   | Causes serious eye irritation                        |
| H331   | Toxic if inhaled                                     |
| H400   | Very toxic to aquatic life                           |
| H401   | Toxic to aquatic life                                |
| H410   | Very toxic to aquatic life with long lasting effects |
| H411   | Toxic to aquatic life with long lasting effects      |

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This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.