

9300

# Safety Data Sheet

## Section 1: Identification



### Product Identifier and Other Means of Identification

**Product Name:** 9300**Other Means of Identification:** One-Part Epoxy General Purpose Adhesive, Low Tg**Related Part #** 9300-10ML, 9300-300ML

### Recommended Use and Restriction on Use

**Use:** general purpose epoxy adhesive**Uses Advised Against:** Not for use in aerosolization processes

### Details of Manufacturer or Importer

**Manufacturer**MG Chemicals  
1210 Corporate Drive  
Burlington, Ontario L7L 5R6  
CANADAMG Chemicals (Head Office)  
9347-193 Street  
Surrey, British Columbia V4N 4E7  
CANADA +1-800-340-0772**FAX** +1-800-340-0773**E-MAIL** [support@mgchemicals.com](mailto:support@mgchemicals.com)**WEB** [www.mgchemicals.com](http://www.mgchemicals.com) +1-905-331-1396**FAX** +1-905-331-2682**E-MAIL** [info@mgchemicals.com](mailto:info@mgchemicals.com)**E-MAIL** (Competent Person): [sds@mgchemicals.com](mailto:sds@mgchemicals.com)

### Emergency Phone Number

**For hazardous material incidents ONLY** (leaks, spills, fires, exposures or accidents)USA or CANADA—Call Verisk 3E at **+1-866-519-4752** or **+1-760-476-3962**

(Service access code: 335388)



**For emergencies involving the transport of dangerous goods;** 24/7 serviceCANADA—Call CANUTEC collect at **+1-613-996-6666** or **\*666** on cellular phones

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**Section 2: Hazard(s) Identification**
**Classification of Hazardous Chemical**
**GHS Categories**

| Criteria                             |         | Category | Signal Word | Pictograms  |
|--------------------------------------|---------|----------|-------------|-------------|
| Sensitization                        | Skin    | 1        | Warning     | Exclamation |
| Eye Irritation                       |         | 2        | Warning     | Exclamation |
| Skin Irritation                      |         | 2        | Warning     | Exclamation |
| Hazardous to the Aquatic Environment | Chronic | 2        | none        | Environment |

*Note:* The degree of severity is ranked within each hazard class from 1 (Highest Severity) to up to 5 (Lowest Severity), which is opposite to HMIS and NFPA conventions. Severity category rankings do not allow comparisons between classes.

**Label Elements**

|   |  |
|---|--|
| <b>Signal Word</b>  | <b>WARNING</b>   |
| <b>Pictograms</b>   | <b>Hazard Statements</b>   |
|  | H317: May cause an allergic skin reaction<br>H319: Causes serious eye irritation<br>H315: Causes skin irritation |
|  | H411: Toxic to aquatic life with long lasting effects  |

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*Continued..*

| <b>Prevention</b>  | <b>Precautionary Statements</b>  |
|--------------------|--|
| P102               | Keep out of reach of children.   |
| P261               | Avoid breathing fumes or vapors.   |
| P280               | Wear protective gloves, protective clothing, and eye protection.   |
| P264               | Wash hands and exposed skin thoroughly after handling.   |
| P272               | Contaminated work clothing should not be allowed out of the workplace.   |
| P273               | Avoid release to the environment.  |
| <b>Response</b>    | <b>Precautionary Statements</b>  |
| P305 + P351 + P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P337 + P313        | If eye irritation persists: Get medical advice or attention.   |
| P302 + P352        | IF ON SKIN: Wash with plenty water.  |
| P333 + P313        | If skin irritation or rash occurs: Get medical advice or attention.  |
| P362 + P364        | Take off contaminated clothing and wash it before reuse.   |
| P391               | Collect spillage.  |
| <b>Disposal</b>    | <b>Precautionary Statements</b>  |
| P501               | Dispose of contents in accordance to local, regional, national, and international regulations.                                   |

**Hazards Not Otherwise Classified**

| <b>Other Criteria</b> | <b>Hazard Statements/Precautionary Statement</b> | <b>Signal Word</b> | <b>Pictograms</b> |
|-----------------------|--|--------------------|-------------------|
| None                  | None   | None               | None              |

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**Section 3: Composition/Information on Ingredients**

| CAS #      | Chemical Name                              | %(weight) |
|------------|--|-----------|
| 25085-99-8 | bisphenol-A epoxy resin (reaction product) | 76%       |

**Section 4: First-Aid Measures**

| <i>Exposure Condition</i> | <i>GHS Code/Symptoms/Precautionary Statements</i>  |
|---------------------------|--|
| <b>IF IN EYES</b>         | P305 + P351 + P338, P337 + P313  |
| <b>Immediate Symptoms</b> | <i>redness, serious irritation, pain</i>   |
| <b>Response</b>           | Rinse cautiously with water for at least 20 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br><br>If eye irritation persists: Get medical advice or attention. |
| <b>IF ON SKIN</b>         | P302 + P352, P333 + P313, P362 + P364  |
| <b>Immediate Response</b> | <i>redness, irritation, allergic contact dermatitis</i>  |
| <b>Response</b>           | Wash with plenty water.<br><br>If skin irritation or rash occurs: Get medical advice or attention.<br>Take off contaminated clothing and wash it before reuse.                               |
| <b>IF INHALED</b>         | P304 + P340  |
| <b>Immediate Symptoms</b> | <i>none known or expected</i>  |
| <b>Response</b>           | Remove person to fresh air and keep comfortable for breathing.   |
| <b>IF SWALLOWED</b>       | P301 + P330 + P331   |
| <b>Immediate Symptoms</b> | <i>none known or expected</i>  |
| <b>Response</b>           | Rinse mouth. Do NOT induce vomiting.   |

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**Section 5: Fire-Fighting Measures**

|                            |  |
|----------------------------|--|
| <b>Extinguishing Media</b> | In case of fire: Use dry chemical, carbon dioxide, chemical foam, or water spray to extinguish.  |
| <b>Specific Hazards</b>    | Not flammable or combustible, but burns if involved in a fire. Produces irritating smoke of unknown toxicity in fires.<br><br>Prevent fire-fighting wash from entering waterway or sewer system. |
| <b>Combustion Products</b> | Produces carbon oxides (CO,CO <sub>2</sub> ), nitrogen oxides, ammonia, aldehydes, phenolics and other toxic fumes.  |
| <b>Fire-Fighter</b>        | Wear self-contained breathing apparatus and full fire-fighting turn-out gear.  |

**Section 6: Accidental Release Measures**

|                                  |   |
|----------------------------------|---|
| <b>Personal Protection</b>       | See personal protection recommendations in Section 8.   |
| <b>Precautions for Response</b>  | Avoid breathing the fumes or vapors. Remove or keep away all sources of extreme heat or open flames.  |
| <b>Environmental Precautions</b> | Avoid releasing to the environment. Prevent spill from entering drains and waterways.   |
| <b>Containment Methods</b>       | Contain with inert and non-flammable absorbent (such as soil, sand, vermiculite).   |
| <b>Cleaning Methods</b>          | Collect liquid in a sealable, chemical-resistant container. Sprinkle inert absorbent compound onto spill, then sweep into the container. Wash residue with a paper towel wetted with alcohol, ethyl lactate, or another suitable organic solvent; and place dirty towels in container. Use soap and water to remove the last traces of residue. |
| <b>Disposal Methods</b>          | Dispose of spill waste according to Section 13.   |

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**Section 7: Handling and Storage**

|                   |   |
|-------------------|---|
| <b>Prevention</b> | Keep out of reach of children.<br>Avoid breathing fumes or vapors. Contaminated work clothing should not be allowed out of the workplace.<br>Avoid release to the environment.  |
| <b>Handling</b>   | Wear protective gloves and eye protection. Wash hands and exposed skin thoroughly after handling. Take off contaminated clothing and wash it before reuse.<br>Collect spillage. |
| <b>Storage</b>    | <b>RECOMMENDATION:</b> Keep in a dry and clean area, away from incompatible substances.   |

**Section 8: Exposure Controls/Personal Protection****Substances with Occupational Exposure Limit Values**

Contains no substances with occupational exposure limits.

**Engineering Controls**

|                    |   |
|--------------------|---|
| <b>Ventilation</b> | General ventilation is adequate for normal use; keep overall exposure as low as possible. |
|--------------------|---|

**Personal Protective Equipment**

|                        |  |
|------------------------|--|
| <b>Eye protection</b>  | Wear appropriate protective eyeglasses or chemical safety goggles.<br><b>RECOMMENDATION:</b> Ensure that glasses have side shields for lateral protection.   |
| <b>Skin Protection</b> | For likely contacts, use of protective butyl rubber, latex, neoprene, or other chemically resistant gloves.<br>For incidental contacts, use nitrile, latex, neoprene or other chemically resistant gloves. |

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**Respiratory Protection** Not normally required, but if exposed to high levels of mist, vapors, or fumes, wear respirator half-mask respirator with organic vapor cartridges.

If the product is heated or worker has a known allergic reaction, consider using a full mask with organic vapor cartridge or with an independent air supply.

**RECOMMENDATION:** Consult your local safety supply store to ensure that your respirator has a NIOSH (U.S.) approved filter cartridges appropriate for the ingredients listed in Section 3. The respirator should be fitted to the employee by a professional. Ensure vapor cartridges are stored in sealed plastic bags when not being used.

**General Hygiene Considerations**

Wash hands thoroughly with water and soap after handling.

**Section 9: Physical and Chemical Properties**

|  |                    |  |                          |
|--|--------------------|--|--------------------------|
| <b>Physical State</b>                      | Liquid             | <b>Lower Flammability Limit</b>              | Not available            |
| <b>Appearance</b>                          | Amber              | <b>Upper Flammability Limit</b>              | Not available            |
| <b>Odor</b>                                | Mild               | <b>Vapor Pressure @20 °C</b>                 | Not available            |
| <b>Odor Threshold</b>                      | Not available      | <b>Vapor Density</b>                         | Not available            |
| <b>pH</b>                                  | Not available      | <b>Relative Density @25 °C</b>               | 1.17                     |
| <b>Freezing/Melting Point</b>              | Not available      | <b>Solubility in Water</b>                   | Insoluble                |
| <b>Initial Boiling Point <sup>a)</sup></b> | 150 °C<br>[302 °F] | <b>Partition Coefficient n-octanol/water</b> | Not available            |
| <b>Flash Point <sup>a)</sup></b>           | 250 °C<br>[482 °F] | <b>Auto-ignition Temperature</b>             | Not available            |
| <b>Evaporation Rate</b>                    | Not available      | <b>Decomposition Temperature</b>             | Not available            |
| <b>Flammability</b>                        | Not available      | <b>Viscosity @40 °C</b>                      | >20.5 mm <sup>2</sup> /s |

a) Values based on bisphenol-A epoxy resin, which is the component with the lowest value.

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**Section 10: Stability and Reactivity**

|                            |  |
|----------------------------|--|
| <b>Reactivity</b>          | Reacts exothermically with amines.   |
| <b>Chemical Stability</b>  | Chemically stable at normal temperatures and pressures.  |
| <b>Conditions to Avoid</b> | Avoid ignition sources, open flames, and incompatible substances. Do not use in away that forms mist or aerosolizes the product.   |
| <b>Incompatibilities</b>   | Avoid oxidizing agents, acids, bases and peroxides.  |
| <b>Polymerization</b>      | Will not occur by itself. Masses of more than one pound (0.5 kg) of product plus an aliphatic amine will cause irreversible polymerization with considerable heat buildup. |
| <b>Decomposition</b>       | Will not decompose under normal conditions. For thermal decomposition, see combustion products in Section 5.   |

**Section 11: Toxicological Information****Summary of Effects and Symptoms by Routes of Exposure**

|                   |  |
|-------------------|--|
| <b>Eyes</b>       | May cause redness, serious irritation, or pain.                            |
| <b>Skin</b>       | Causes skin redness, irritation, dry skin, or allergic contact dermatitis. |
| <b>Inhalation</b> | None known or expected.  |
| <b>Ingestion</b>  | None known or expected.  |
| <b>Chronic</b>    | Prolonged and repeated exposure may lead to skin sensitization.            |

**Acute Toxicity (Lethal Exposure Concentrations)**

| <b>Chemical Name</b>                       | <b>LD50 oral</b>                | <b>LD50 dermal</b>                | <b>LC50 inhalation</b> |
|--|---------------------------------|-----------------------------------|------------------------|
| bisphenol-A epoxy resin (reaction product) | >15 000 mg/kg Rat <sup>a)</sup> | 23 000 mg/kg Rabbit <sup>a)</sup> | Not established        |

*Note:* Toxicity data from the RTECS<sup>2</sup> and ECHA databases were consulted. The data from supplier SDS were also consulted.

a) Supplier SDS

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## Other Toxicological Effects

|  |  |
|--|--|
| <b>Skin corrosion/irritation</b>                           | Bisphenol-A is a known skin irritant.  |
| <b>Serious eye damage/irritation</b>                       | Bisphenol-A causes serious eye irritation.   |
| <b>Sensitization</b><br>(allergic reactions)               | May cause skin sensitization based on animal studies due to the epoxy components.  |
| <b>Carcinogenicity</b><br>(risk of cancer)                 | Not classified or listed as a carcinogen by IARC, ACGIH, CA Prop 65, or NTP.   |
| <b>Mutagenicity</b><br>(risk of heritable genetic effects) | Based on available data, the classification criteria are not met.  |
| <b>Reproductive Toxicity</b><br>(risk to sex functions)    | Based on available data, the classification criteria are not met.  |
| <b>Teratogenicity</b> (risk of fetus malformation)         | Based on available data, the classification criteria are not met.  |
| <b>STOT-single exposure</b>                                | Based on available data, the classification criteria are not met.  |
| <b>STOT-repeated exposure</b>                              | Based on available data, the classification criteria are not met.  |
| <b>Aspiration hazard</b>                                   | There is no category 1 components, and the kinematic viscosity is $>20.5 \text{ mm}^2/\text{s}$ at $40 \text{ }^\circ\text{C}$ . |

## Section 12: Ecological Information

Ecological classifications are based on the IMDG/GHS criteria in conjunction with ecotoxicological data from our suppliers, the European Chemical Agency database (<http://echa.europa.eu>), and other reliable sources.

In Europe, similar epoxy resin mixtures with CAS# 25085-99-8 are generally classified as chronic category 2 marine pollutant due to LC50 96 h of  $>1 \text{ mg/L}$  but  $\leq 10 \text{ mg/L}$ .

### Acute Ecotoxicity

Available toxicity data does not meet classification thresholds.

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**9300****Chronic Ecotoxicity**

Category 2

Toxic to aquatic life with long lasting effects

Avoid release to the environment. Collect spillage.

**Biodegradability**

Not readily biodegradable

**Bioaccumulation**

Not available

**Other Effects**

Not available

**Section 13: Disposal Information**

Dispose of contents in accordance with all local, regional, national, and international regulations.

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**Section 14: Transport Information**
**Ground**

**Refer to TDG regulations** (Canadian Transportation of Dangerous Goods regulations);  
**USA DOT 49 CFR** (Parts 100 to 185) **Regulations.**

|   |  |
|---|--|
| Sizes under 450 L<br><i>9300-10ML, 9300-300ML</i><br><b>NOT REGULATED</b> in TDG<br>per Special Provisions 99 | FOR REFERENCE ONLY<br><b>UN number:</b> UN3082<br><b>Shipping Name:</b> ENVIRONMENTALLY<br>HAZARDOUS SUBSTANCE, LIQUID, N.O.S.<br>(bisphenol-A epoxy resin (reaction product))<br><b>Class:</b> 9<br><b>Packing Group:</b> III<br><b>Marine Pollutant:</b> Yes |
| Sizes 5 L and under<br><br><b>NOT REGULATED</b> in 49 CFR<br>per exception 171.4 (c)(2)                       |  |

**Special Provision 99 (2):** These Regulations, except for Part 1 (Coming into Force, Repeal, Interpretation, General Provisions and Special Cases) and Part 2 (Classification), do not apply to the handling, offering for transport or transporting 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 accidental release of the dangerous goods that could endanger public safety.

**Air**

**Refer to ICAO-IATA regulations.**

Sizes 5 L and under  
*9300-10ML, 9300-300ML*  
**NOT REGULATED**  
 On air waybill, write:  
 "Not Restricted, as per Special  
 Provisions A197"

**Special Provision A197:** These substances when transported in single or combination packagings containing net quantity per single or inner packaging of less than 5 L or less for liquids or having a net mass of 5 kg or less for solids, are not subject to any other provisions of these Regulations provided the packagings meet the general provisions 5.0.2.4.1, 5.0.2.6.1.1 and 5.0.2.8.

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**9300****Sea****Refer to IMDG regulations.**

Sizes 5 L and under  
9300-10ML, 9300-300ML  
**NOT REGULATED**  
per 2.10.2.7

**2.10.2.7:** Marine pollutants packaged in single or combination packagings containing a net quantity per single or inner packaging of 5 L or less for liquids or having a net mass per single or inner packaging of 5 kg or less for solids are not subject to any other provision of this Code relevant to marine pollutants provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8. In the case of marine pollutants also meeting the criteria for inclusion in another hazard class, all provisions of this Code relevant to any additional hazards continue to apply.

**Note: Shipper must be appropriately trained and certified before involvement with the transport of dangerous goods.**

**Section 15: Regulatory Information****Canada****Domestic Substance List (DSL) / Non-Domestic Substance Lists (NDSL)**

All hazardous ingredients are listed on the DSL.

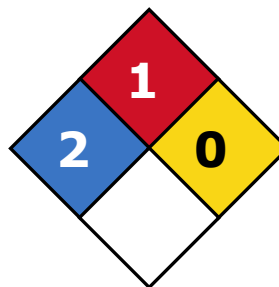
**Hazardous Products Act (R.S.C., 1985, c. H-3)**

The safety data sheet and label comply with the Hazardous Product Act and WHMIS 2015.

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**9300**
**USA**
**Other Classifications**
**HMIS® RATING**

|                             |            |
|-----------------------------|------------|
| <b>HEALTH:</b>              | <b>* 2</b> |
| <b>FLAMMABILITY:</b>        | <b>1</b>   |
| <b>PHYSICAL HAZARD:</b>     | <b>0</b>   |
| <b>PERSONAL PROTECTION:</b> |            |

**NFPA® 704 CODES**


*Approximate HMIS and NFPA Risk Ratings Legend:*

0 (Low or none); 1 (Slight); 2 (Moderate); 3 (Serious); 4 (Severe)

**CAA** (Clean Air Act, USA)

This product does not contain any class 1 ozone depleting substances.

This product does not contain any class 2 ozone depleting substances.

This product does not contain substances that are listed as hazardous air pollutants.

**EPCRA** (Emergency Planning and Right to Know Act, USA, 40 CFR 372.45)

This product does not contain substances, which are subject to the reporting requirements of section 313 Title III of the SARA of 1986 and 40 CFR part 372.

**TSCA** (Toxic Substances Control Act of 1976, USA)

All substances are TSCA listed.

**California Proposition 65** (Chemicals known to cause cancer or reproductive toxicity, June 06, 2014 revision, USA).

This product does not contain any of the listed substances.

**Europe**
**RoHS** (Restriction of Hazardous Substances Directive)

This product does not contain any lead, cadmium, mercury, hexavalent chromium, PBB's, or PBDE's, and complies with European RoHS regulations.

**WEEE** (Waste Electrical and Electronic Equipment Directive)

This product is not a piece of electrical or electronics equipment, and is therefore not governed by this regulation.

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**Section 16: Other Information**

**SDS Prepared by** Regulatory Department  
**Date of Review** 04 March 2020  
**Supersedes** 16 February 2017  
**Reason for Changes:** Change to emergency phone numbers.

**Reference**

- 1) ACGIH 2017 TLVs and BEIs: Based on the documentation of the threshold limit values for chemical substances and physical agents & biological exposure indices, American Conference of Governmental of Industrial Hygienist Cincinnati, OH (2017).
- 2) All toxicological data were checked against the RTECS (Registry of Toxic Effects of Chemical Substances®)

**Abbreviations**

|       |   |
|-------|---|
| ACGIH | American Conference of Governmental Industrial Hygienists (USA)       |
| EC50  | Half maximal effective concentration                                  |
| EL50  | Half maximal effective loading  |
| IARC  | International Agency for Research on Cancer                           |
| NOELR | No observable effect loading ratio                                    |
| NTP   | National Toxicology Program   |
| GHS   | Globally Harmonized System of Classification of Labeling of Chemicals |
| LC50  | Lethal Concentration 50%  |
| LCLo  | Lowest published lethal concentration                                 |
| LD50  | Lethal Dose 50%   |
| OEL   | Occupational Exposure Limit   |
| PEL   | Permissible Exposure Limit  |
| SDS   | Safety Data Sheet   |
| STEL  | Short-Term Exposure Limit   |
| TCLo  | Lowest published toxic concentration                                  |
| TWA   | Time Weighted Average   |
| VOC   | Volatile Organic Content  |

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**Technical Queries** Contact us regarding any questions, improvement suggestions, or problems with this product. Application notes, instructions, and FAQs are located at [www.mgchemicals.com](http://www.mgchemicals.com).

Email: [support@mgchemicals.com](mailto:support@mgchemicals.com)

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Surrey, British Columbia, Canada  
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