

FAST SET EPOXY**8332-PART B**

Safety Data Sheet

Section 1: Identification

Product Identifier and Other Means of Identification

Product Name: Fast Set Epoxy**SDS Code:** 8332-Part B**Related Part #** 8332-25ML

Recommended Use and Restriction on Use

Use: fast setting epoxy adhesive hardener**Uses Advised Against:** Not available

Details of Manufacturer or Importer

Manufacturer

MG Chemicals
1210 Corporate Drive
Burlington, Ontario L7L 5R6
CANADA

MG Chemicals (Head Office)
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E-MAIL info@mgchemicals.com

E-MAIL (Competent Person): sds@mgchemicals.com

Emergency Phone Number

For hazardous material incidents ONLY—leaks, spills, fires, exposures or accidents
USA or CANADA: Call CHEMTREC ☎: **+1-800-424-9300**


For emergencies involving dangerous goods; Collect 24/7
CANADA: Call CANUTEC ☎: **+1-613-996-6666** or ***666** on cellular phones

FAST SET EPOXY**8332-PART B****Section 2: Hazard(s) Identification****Classification of the Chemical Material****GHS Categories**

| Criteria | | Category | Signal Word | Pictograms |
|-----------------|-----------------|----------|-------------|-------------|
| Sensitization | Skin sensitizer | 1 | Warning | Exclamation |
| Eye Irritation | | 2 | Warning | Exclamation |
| Skin Irritation | | 2 | Warning | Exclamation |

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

| | |
|---|---|
| Signal Word | WARNING |
| Pictograms | Hazard Statements |
|  | H319: Causes serious eye irritation H315: Cause skin irritation H317: May cause an allergic skin reaction |
| Prevention | Precautionary Statements |
| P102 | Keep out of reach of children. |
| P261 | Avoid breathing dust/fumes/mist/vapors. |
| P280 | Wear protective gloves/eye protection/face protection. |
| P272 | Contaminated work clothing should not be allowed out of the workplace. |
| P264 | Wash hands thoroughly after handling. |
| P273 | Avoid release to the environment. |

Section continued on the next page

FAST SET EPOXY**8332-PART B***Continued...*

| Response | Precautionary Statements |
|--------------------|--|
| 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 attention. |
| P302 + P352 | IF ON SKIN: Wash with plenty of water. |
| P333 + P313 | If skin irritation or rash occurs: Get medical advice/attention. |
| P362 + P364 | Take off contaminated clothing and wash it before reuse. |
| P272 | Contaminated clothing should not be allowed out of the workplace. |
| Disposal | Precautionary Statements |
| P501 | Dispose of contents/container in accordance to local/regional/international regulations. |

Hazards Not Otherwise Classified

| HCS2012 Criteria | Hazard Statements/Precautionary Statement | Signal Word | Pictograms |
|-------------------------|--|--------------------|-------------------|
| None | None | None | None |

Section 3: Composition/Information on Ingredients

| CAS # | Chemical Name | %(weight) |
|--------------|---|------------------|
| 90-72-2 | tris-2,4,6-(dimethylaminomethyl) phenol | 10-15% |

FAST SET EPOXY**8332-PART B****Section 4: First-Aid Measures**

| <i>Exposure Condition</i> | <i>GHS Code: Precautionary Statement</i> |
|---------------------------|--|
| IF IN EYES | P305 + P351 + P338, P337 + P313 |
| Immediate Symptoms | <i>redness, severe irritation, pain</i> |
| Response | Rinse cautiously with water for at least 20 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention. |
| IF ON SKIN | P303 + P361 + P353, P362 + P364, P333 + P313 |
| Immediate Symptoms | <i>mild to moderate irritation, redness</i> |
| Response | Wash with plenty of water/shower. Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical advice/attention. |
| IF INHALED | P304 + P340 |
| Immediate Symptoms | <i>cough, irritation of the respiratory track</i> |
| Response | Remove person to fresh air and keep comfortable for breathing. If irritation persists: Get medical advice/attention. |
| IF SWALLOWED | P301 + P330 + P331 |
| Immediate Symptoms | <i>irritation</i> |
| Response | Rinse mouth. Do not induce vomiting. If irritation persists: Get medical advice/attention. |

Advice to Physicians

In case of inhalation of combustion products, the symptoms may be delayed. For significant exposures, the exposed person should be kept under medical surveillance for 48 hours.

FAST SET EPOXY**8332-PART B****Section 5: Fire-Fighting Measures**

| | |
|----------------------------|--|
| Extinguishing Media | In case of fire: Use dry chemical, carbon dioxide, or chemical foam to extinguish. Use water spray to cool containers. |
| Specific Hazards | Not flammable or combustible, but will burn if involved in a fire. Produces irritating smoke and toxic smoke in fires. Inhalation of toxic smoke during fire may have delayed effects. Exposed person may need to be put under surveillance for 48 h. |
| Combustion Products | Produces carbon oxides (CO, CO ₂), nitrogen oxides (NO _x), sulfur oxides, and hydrogen sulfides |
| Fire-Fighter | Wear self-contained breathing apparatus and full fire-fighting turn-out gear. |

Section 6: Accidental Release Measures

| | |
|----------------------------------|--|
| Personal Protection | Use personal protection recommended in Section 8. |
| Precautions for Response | Avoid breathing the vapors/mist/fumes. |
| Environmental Precautions | Avoid releasing to the environment. Prevent spill from entering drains and waterways. Do not flush to sewer. |
| Containment Methods | Contain with inert absorbent (such as soil, sand, vermiculite). |
| Cleaning Methods | Collect liquid in a sealable, chemical-resistant container. Sprinkle inert absorbent compound onto spill, then sweep into the container. Wipe the residues with a paper towel wetted with alcohol, ethyl lactate or another suitable organic solvent, and place dirty towels in container. Wash spill area with soap and water to remove the last traces of residue. |
| Disposal Methods | Dispose spill waste according to Section 13. |

FAST SET EPOXY**8332-PART B****Section 7: Handling and Storage****Prevention**

Keep out of reach of children.

Contaminated work clothing should not be allowed out of the workplace. Take off contaminated clothing and wash it before reuse.

Avoid breathing dust/fumes/mist/vapors.

Do not eat, drink, or smoke when using this product.

Handling

Wear protective gloves/eye protection.

Wash hands thoroughly after handling.

Storage

Keep container tightly closed.

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

Contains no substances with occupational exposure limits.

Note: The ACGIH¹, OSHA, and Canadian provinces exposure limits were consulted. Limits from by RTECS database² of the Canadian Centre for Occupational Health and Safety (CCOHS) a data from suppliers' SDS were also consulted.

Engineering Controls**Ventilation**

General ventilation is adequate for normal use; keep airborne exposure as low as possible.

Personal Protective Equipment**Eye protection**

Wear appropriate protective eyeglasses or chemical safety goggles.

RECOMMENDATION: Use safety glasses with lateral protection (side shields).

Skin Protection

Wear appropriate protective clothing to prevent skin contact.

RECOMMENDATION: Use butyl rubber, neoprene, or other chemically resistant gloves.

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Respiratory Protection If exposed to high levels of fumes/dust/mist/vapors, wear respirator such as a half-mask respirator.

RECOMMENDATION: Consult your local safety supply store to ensure your respirator has a NIOSH (U.S.) approved filter cartridges appropriate for the ingredients listed in section 3 of this SDS, and that the respirator is 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 with water and soap after use.

Section 9: Physical and Chemical Properties

| | | | |
|----------------------------------|---------------------------------|---|---------------------------|
| Physical State | Liquid | Lower Flammability Limit | Not available |
| Appearance | Clear white with yellow tint | Upper Flammability Limit | Not available |
| Odor | Mercaptan-like (rotten cabbage) | Vapor Pressure @25 °C^{a)} | Not available |
| Odor Threshold | Not available | Vapor Density | Not available |
| pH | Not available | Specific Gravity @25 °C | 1.13 |
| Freezing/Melting Point | Not available | Solubility in Water | Practically insoluble |
| Boiling Point | Not available | Partition Coefficient | Not available |
| Flash Point | >93.3 °C [>200 °F] | Auto-ignition Temperature | Not available |
| Evaporation Rate | Not available | Decomposition Temperature | Not available |
| Flammability (solid, gas) | Not available | Viscosity @25 °C | ≥1 000 mm ² /s |

a) Pensky-Martens closed cup

FAST SET EPOXY**8332-PART B****Section 10: Stability and Reactivity**

| | |
|----------------------------|---|
| Reactivity | Not available |
| Chemical Stability | Chemically stable at normal temperatures and pressures |
| Conditions to Avoid | Incompatible substances and excessive heat |
| Incompatibilities | Strong oxidizing agents, acids, and alkali |
| Polymerization | Will not occur |
| Decomposition | For thermal decomposition, see combustion products in Section 5 |

Section 11: Toxicological Information**Routes of Exposure**

Eye contact, ingestion, and skin contact

Symptoms Summary

| | |
|-------------------|---|
| Eyes | Causes severe eye irritation, redness or pain. |
| Skin | May cause mild to moderate skin irritation. |
| Inhalation | May cause nose, throat and lung irritation. |
| Ingestion | It may cause irritation. (See inhalation symptoms.) |
| Chronic | Prolonged and repeated exposure may lead to skin sensitization. |

Lethal Exposure Concentrations

| Chemical Name | LD50 oral | LD50 dermal | LC50 inhalation | TCLo inhalation |
|---|--------------------|--------------------|------------------------|------------------------|
| tris-2,4,6-(dimethylaminomethyl) phenol | 1 200 mg/kg Rat | 1 280 m/kg Rat | Not available | Not available |

Note: Representative toxicity data from by RTECS database² of the Canadian Centre for Occupational Health and Safety (CCOHS) data from supplier (M)SDS were also consulted.

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FAST SET EPOXY**8332-PART B****Other Toxicological Effects**

| | |
|--|---|
| Skin corrosion/irritation | Serious skin irritant. |
| Serious eye damage/irritation | Serious to moderate eye irritant. |
| Respiratory and skin sensitization (allergic reactions) | Skin sensitizer based on animal studies on Tris-2,4,6-(dimethylaminomethyl) phenol component |
| Carcinogenicity (risk of cancer) | None of the ingredients are classified or listed as a carcinogen by IARC, ACGIH, CA Prop 65, or NTP |
| Mutagenicity (risk of heritable genetic effects) | Based on available data, classification criteria are not met. |
| Reproductive Toxicity (risk to sex functions) | Based on available data, classification criteria are not met. |
| Teratogenicity (risk of fetus malformation) | Based on available data, classification criteria are not met. |
| STOT-single exposure | Based on available data, classification criteria are not met. |
| STOT-repeated exposure | Based on available data, classification criteria are not met. |
| Aspiration hazard | Mixture does not contain components classified as aspiration hazards; therefore, the mixture is not an aspiration hazard. |

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.

Tris-2,4,6-(dimethylaminomethyl) phenol (CAS# 90-72-2) is not classified as marine pollutant according to available data (with minimal LC50 96 h of >240 mg/L for *Salmo gairdneri* (rainbow trout), and LC50 96 h of >718 mg/L for *Palaemonetes vulgaris* (grass shrimp)).

Acute Ecotoxicity

Not available

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FAST SET EPOXY**8332-PART B****Chronic Ecotoxicity**

Not available

Persistence and Biodegradability

Not available

Bioaccumulative Potential

Not available

Mobility in Soil

Not available

Other Effects

Not available

Section 13: Disposal Considerations

Dispose of contents in accordance with all local, provincial, state, and federal regulations.

Section 14: Transport Information**Ground****Refer to TDG regulations** (Canadian Transportation of Dangerous Goods regulations);
USA DOT 49 CFR (Parts 100 to 185) **Regulations.**

Not Regulated

Air**Refer to ICAO-IATA Dangerous Goods Regulations.**

Sizes 30 mL and under

Excepted Quantity

Document as class

E1Refer to Package
Mark 2.6.7.1 in **IATA**
for further instruction

Sizes greater than 30 mL up to 30 kg G

Limited Quantity**UN number:** UN3334**Shipping Name:** AVIATION REGULATED

LIQUID, N.O.S.

(Mercaptan/Amine Blend)

Class: 9**Packing Group:** III**Marine Pollutant:** No*Section continued on the next page*

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Sea

Refer to IMDG regulations.

Not Regulated

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/NDSL.

Industry and Science Canada

MG Labels products intended for the workplace to conform to WHMIS labeling regulations. Product identification, net quantity declaration, minimum printing type size heights, and packaging of this product are in compliance.

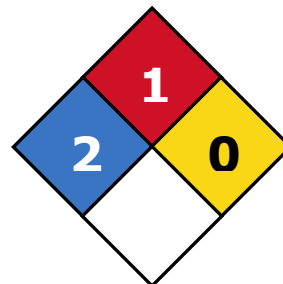
USA

Other Classifications

HMIS® RATING

| | |
|-----------------------------|------------|
| HEALTH: | * 2 |
| FLAMMABILITY: | 1 |
| PHYSICAL HAZARD: | 0 |
| PERSONAL PROTECTION: | |

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.

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FAST SET EPOXY**8332-PART B****EPCRA** (Emergency Planning and Right to Know Act, USA, 40 CFR 372.45)

This product does not contain substances that 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, Sept 2, 2011 revision, USA).

This product does not contain any listed substances in California.

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.

Section 16: Other Information

SDS Prepared by Michel Hachey

Date of Revision 20 July 2015

Supersedes 08 August 2014

Reason for Changes: Bringing format up to date with WHMIS 2015 and HCS2012.

Reference

1) ACGIH 2013 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 (2013).

2) All toxicological data were checked against the RTECS (Registry of Toxic Effects of Chemical Substances®)

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FAST SET EPOXY**8332-PART B****Abbreviations**

| | |
|-------|---|
| ACGIH | American Conference of Governmental Industrial Hygienists (USA) |
| EC50 | Half maximal effective concentration |
| EL50 | Half maximal effective loading |
| NOELR | No observable effect loading ratio |
| GHS | Globally Harmonized System of Classification of Labeling of Chemicals |
| LC50 | Lethal Concentration 50% |
| LCLo | Lowest published lethal concentration |
| LD50 | Lethal Dose 50% |
| PEL | Permissible Exposure Limit |
| STEL | Short-Term Exposure Limit |
| TCLo | Lowest published toxic concentration |
| TWA | Time Weighted Average |
| VOC | Volatile Organic Content |

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.

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