

Safety Data Sheet MAC Epoxy COMP. B

Revision Date: 01/02/2023



1. Identification

1.1. Product identifier

Product Identity MAC EPOXY COMP. B

Alternate Names Epoxy curing agent

1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use See Technical Data Sheet.

Application Method See Technical Data Sheet.

1.3. Details of the supplier of the safety data sheet

Company Name Mac Coatings
1106 WALKER ROAD
WINDSOR, ONTARIO
N8Y 2N7

Customer Service: Mac Coatings (519)-252-7275

2. Hazard(s) identification

2.1. Classification of the substance or mixture

Acute Tox. 4;H302	Harmful if swallowed.
Skin Corr. 1B; H314	Causes severe skin burns and eye damage.
Skin Sens. 1;H317	May cause an allergic skin reaction.
Repr. 2; H361	Suspected of damaging fertility or the unborn child.

2.2. Label elements

Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.



Danger

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H302 Harmful if swallowed.

H314 Causes Severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

H361 Suspected of damaging fertility or the unborn child.

[Prevention]:

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P261 Avoid breathing dust / fume / gas / mist / vapors / spray.

P264 Wash thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P272 contaminated work clothing should not be allowed out of the workplace.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves / eye protection / face protection.

[Response]:

P301+312 IF SWALLOWED: Call a POISON CENTER or doctor / physician if you feel unwell.

P330 Rinse mouth.

P303+361+353 IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.

P333 + P313 IF SKIN IRRITATION OR RASH OCCURS: Get medical advice/attention.

P304+340 IF INHALED: Remove victim to fresh air and keep comfortable for breathing.

P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do.

P310 Immediately call a POISON CENTER or doctor / physician.

P308+313 IF exposed or concerned: Get medical advice / attention.

P363 Was contaminated clothing before reuse.

[Storage]:

P405 Store locked up.

[Disposal]:

P501 Dispose of contents / container in accordance with local / national regulations.

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3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Polyamine CAS Number: Proprietary	40 - 80	Acute Tox. 5; H303 Acute Tox. 4; H313 Skin Corr. 1; H214 Aquatic Tox. 3; H412	[1][2]

In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit.

[3] PBT-substance or vPvB-substance.

*The full texts of the phrases are shown in Section 16.

4. First aid measures

4.1. Description of first aid measures

General	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
Inhalation	Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention. Give nothing by mouth.
Eyes	Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.
Skin	Remove contaminated clothing. Wash skin thoroughly with soap and water or use a non-abrasive skin cleanser.
Ingestion	If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

4.2. Most important symptoms and effects, both acute and delayed

Overview	Effects of overexposure: Acute: Eyes-may cause severe irritation, redness, tearing, blurred vision. Skin/skin absorption- Prolonged or repeated contact can cause moderate irritation. Defatting, dermatitis. Breathing-excessive inhalation of vapors can cause nasal and Respiratory irritation and central nervous system effects including: Dizziness, weakness, fatigue, nausea, headache and possible unconsciousness. Swallowing-can cause gastrointestinal, irritation, nausea, vomiting, and diarrhea. Aspiration of material into the lungs can cause chemical pneumonitis which can be fatal. Possible cancer hazard. Contains an ingredient which may cause cancer based on animal data (See Section 3 and Section 15 for each ingredient). Risk of cancer depends on
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	duration and level of exposure. See section 2 for further details.
Inhalation	Harmful if inhaled. May cause damage to organs.
Skin	May be harmful in contact with skin.
Ingestion	Harmful if swallowed.

5. Fire-fighting measures

5.1. Extinguishing media

Dry chemical, Foam, Water fog, Carbon Dioxide.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: Burning may produce irritating Or toxic fumes. Carbon dioxide and carbon monoxide, various hydrocarbons, etc.

Keep away from heat / sparks / open flames / hot surfaces - No smoking.

Keep cool.

Ground / bond container and receiving equipment.

Use explosion-proof electrical / ventilating / light / equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

Avoid breathing dust / fume / gas / mist / vapors / spray.

5.3. Advice for fire-fighters

Wear self-contained breathing apparatus with a full facepiece.

Vapors are heavier than air and may travel along the ground or may be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, smoking, electric motors, static discharge, or other ignition sources at locations distant from material handling point. Never use welding or cutting torch on or near container (even empty) because product (even just residue) can ignite explosively. All five gallon pails and large metal containers should be grounded and/or bonded when material is transferred.

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6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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Put on appropriate personal protective equipment (see section 8).

6.2. Environmental precautions

Do not allow spills to enter drains or waterways.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

6.3. Methods and material for containment and cleaning up

Steps to be taken in case material is released or spilled: Eliminate all ignition sources (flares, flames including pilot Lights, electrical sparks). Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed, stop spill at source, dike area of spill to prevent spreading, pump liquid to salvage tank. Remaining liquid may be taken up on sand, clay earth, floor, absorbent, or other absorbent material and shoveled into containers.

7. Handling and storage

7.1. Precautions for safe handling

See section 2 for further details. - [Prevention]:

7.2. Conditions for safe storage, including any incompatibilities

Handle containers carefully to prevent damage and spillage.

Incompatible materials: Avoid contact with: strong oxidizing agents, Strong alkalis, strong mineral acids.

See section 2 for further details. - [Storage]:

Storage for more than 24 months may affect product quality.

7.3. Specific end use(s)

No data available.

8. Exposure controls and personal protection

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8.1. Control parameters

Exposure

CAS No.	Ingredient	Source	Value
Proprietary	Polyamide	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit

8.2. Exposure controls

Respiratory

If workers are exposed to concentrations above the exposure limit they must use the appropriate, certified respirators.

Eyes

Chemical splash goggles are advised. (Consult your safety equipment supplier).

Skin

Wear resistant gloves such as: polyvinyl alcohol, viton. Other protective equipment: To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

Engineering Controls

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.

Other Work Practices

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details. - [Prevention]:

9. Physical and chemical properties

Appearance

Semi Viscus Liquid

Odor

Amine

Odor threshold

Not determined

pH

Not Measured

Melting point / freezing point

Not Measured

Initial boiling point and boiling range

225°C(437°F)

Flash Point

Closed cup >106°C (223°F)

Evaporation rate (Ether = 1)

(X) Slower Than N-BUTYL ACETATE

Flammability (solid, gas)

Not Applicable

Upper/lower flammability or explosive limits

Lower Explosive Limit: 1.0%

Upper Explosive Limit: 6.0%

Vapor pressure (Pa)

< 21 mmHg at 21°C (70°F)

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Vapor Density	(X)Heavier Than Air ()Lighter than Air
Density (water = 1)	0.98
Solubility in Water	Not Soluble
Partition coefficient n-octanol/water (Log Kow)	Not Measured
Auto-ignition temperature	Not Measured
Decomposition temperature	Not Measured
Viscosity (cSt)	Not Measured

9.2. Other information

No other relevant information.

10. Stability and reactivity

10.1. Reactivity

Hazardous Polymerization will not occur.

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

Exposure to elevated temperatures can cause product to decompose. Generation of gas during decomposition can cause pressure in closed systems. Reaction with carbon dioxide may form an amine carbamate. Smoke may be generated depending on vapor pressure of mixture. Product absorbs carbon dioxide from the air.

10.5. Incompatible materials

Avoid contact with: strong oxidizing agents, Strong alkalis, strong mineral acids, Halogenated hydrocarbons.

10.6. Hazardous decomposition products

Burning may produce irritating Or toxic fumes. Carbon dioxide and carbon monoxide, ammonia, volatile amines.

11. Toxicological information

Acute toxicity

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Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/8hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
Polyamine- (Proprietary)	2,885.3.00, Rat - Category: NA	2,980.00, Rabbit - Category: NA	0.74, Rat - Category: NA	No data available	No data available

Carcinogen Data

CAS No.	Ingredient	Source	Value
Proprietary	Polyamine	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;

Classification	Category	Hazard Description
Acute toxicity (oral)	4	Harmful if swallowed.
Acute toxicity (dermal)	---	Not Applicable
Acute toxicity (inhalation)	---	Not Applicable
Skin corrosion/irritation	1B	Causes severe skin burns and eye irritation.
Serious eye damage/irritation	---	Not Applicable
Respiratory sensitization	---	Not Applicable
Skin sensitization	1	May cause an allergic skin reaction.
Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	---	Not Applicable
Reproductive toxicity	2	Suspected of damaging fertility or the unborn child.
STOT-single exposure	---	Not Applicable
STOT-repeated exposure	---	Not Applicable
Aspiration hazard	---	Not Applicable

12. Ecological information

12.1. Toxicity

No additional information provided for this product. See Section 3 for chemical specific data.

Aquatic Ecotoxicity

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Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Polyamine- (Proprietary)	15.00, Pimephales promelas	80, Daphnia magna	18.00 (48 hr), Chlamydomonas reinhardtii

12.2. Persistence and degradability

Not readily biodegradable.

12.3. Bioaccumulative potential

Not Measured

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

No data available.

13. Disposal considerations

13.1. Waste treatment methods

Observe all federal, state and local regulations when disposing of this substance.

14. Transport information

	DOT (Domestic Surface Transportation)	IMO / IMDG (Ocean Transportation)	ICAO/IATA
14.1. UN number	UN1760	UN1760	UN1706
14.2. UN proper shipping name	UN1760, corrosive liquid	Corrosive liquid	Corrosive liquid
14.3. Transport hazard class(es)	DOT Hazard Class: 8	IMDG: 8 Sub Class: Not Applicable	Air Class: 8
14.4. Packing group	II	II	II
14.5. Environmental hazards			
IMDG	Marine Pollutant: Yes;		
14.6. Special precautions for user	No further information		

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15. Regulatory information

Regulatory Overview	The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.
Toxic Substance Control Act (TSCA)	All components of this material are either listed or exempt from listing on the TSCA Inventory.
US EPA Tier II Hazards	Fire: No Sudden Release of Pressure: No Reactive: No Immediate (Acute): Yes Delayed (Chronic): Yes

EPCRA 311/312 Chemicals and RQs (lbs):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

EPCRA 302 Extremely Hazardous:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

EPCRA 313 Toxic Chemicals:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Carcinogens (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Developmental Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Female Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Male Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

New Jersey RTK Substances (>1%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Pennsylvania RTK Substances (>1%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

16. Other information

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