

MetLab Epoxy Resin Met-Mount 2

Safety Data Sheet

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Revision date: 03/12/2024

Supersedes: 01/20/2020

Version: 2.0

SECTION 1: Identification

1.1. Identification

Trade name :Met-Mount 2 Epoxy
Product code Resin : M336R

1.2. Recommended use and restrictions on use

Use of the substance/mixture : Resin: component

1.3. Supplier

MetLab Corporation
4011 Hyde Park Blvd
Niagara Fall NY 14305
800-828-6866
Sales@metlabcorp.com

1.4. Emergency telephone number

Emergency number : 800-255-3924, +1 813.248.0585
ChemTel Acct #MIS0002212

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

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

Precautionary statements (GHS US) :

: P261 - Avoid breathing mist/vapors/spray.
P264 - Wash all contact areas thoroughly after handling.
P272 - Contaminated work clothing must not be allowed out of the workplace.
P280 - Wear protective gloves/protective clothing/eye protection.
P302+P352 - If on skin: Wash with plenty of mild soap and 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.
P321 - Specific treatment: See SDS Section 4.
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.
P501 - Dispose of contents/container to special waste facility in accordance with regional/national regulations.

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2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	Conc. (% w/w)	GHS US classification
Bisphenol-A Epoxy Resin	(CAS-No.) 25068-38-6	≥ 60	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317
Glycidyl ether blend	(CAS-No.) TRADE SECRET	10 – 30	Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Irrit. 2, H319
Acrylate	(CAS-No.) TRADE SECRET	1 – 5	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317

*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 after inhalation	: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention.
First-aid measures after skin contact	: Dispose of contaminated leather articles. Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Keep work clothing separate. Wash skin with plenty of water. Take off contaminated clothing. If skin irritation 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	: Do NOT induce vomiting. Immediately call a poison center or doctor/physician.

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

Symptoms/effects	: Delayed adverse effects possible.
Symptoms/effects after inhalation	: Not expected to present a respiratory hazard under ambient conditions of normal industrial use due to low vapor pressure. Vapors from heated material may cause mild respiratory irritation with dryness and cough.
Symptoms/effects after skin contact	: May cause an allergic skin reaction. severe skin irritation, redness, dermatitis. Skin rash/inflammation. Itching.
Symptoms/effects after eye contact	: Causes eye irritation. Swelling and conjunctivitis. redness, itching, tears.
Symptoms/effects after ingestion	: May cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Chronic symptoms	: Cross-sensitization, or allergic response away from direct contact area may occur. . Symptoms of chronic overexposure may not be readily apparent.

Glycidyl ether blend (TRADE SECRET)	
Chronic symptoms	Allergic response, tissue swelling, hives.

Bisphenol-A Epoxy Resin (25068-38-6)	
Chronic symptoms	Allergic response, tissue swelling, hives.

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.
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5.2. Specific hazards arising from the chemical

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| Fire hazard | : Irritating and/or toxic gases or fumes likely if involved in fire or exposed to extreme heat. |
| Explosion hazard | : Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries. |
| Reactivity | : The product is non-reactive under normal conditions of use, storage and transport. |

5.3. Special protective equipment and precautions for fire-fighters

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| Firefighting instructions | : Use water spray or fog for cooling exposed containers. Dike water and extinguishing agents away from drains and waterways if possible. |
| Protection during firefighting | : Complete protective clothing. Use self-contained breathing apparatus and chemically protective clothing. |
| Other information | : Hazardous decomposition products. On heating/burning: release of harmful/irritant gases/vapors. |

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

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| Protective equipment | : Safety glasses, Gloves. |
| Emergency procedures | : Avoid contact with skin and eyes. |

6.1.2. For emergency responders

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| Protective equipment | : Boots, gloves, goggles. Synthetic apron. |
| Emergency procedures | : Absorb remaining liquid with sand or inert absorbent and remove to safe place. Prevent product from entering drains. Sweep or shovel spills into appropriate container for disposal. |

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

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| For containment | : Soak up small spill with inert solids. Contain or absorb spilled liquid with clay or other absorbent material. Dike and contain spill. Sweep or shovel spills into appropriate container for disposal. |
| Methods for cleaning up | : On land, sweep or shovel into suitable containers. Clean/flush spill area with mild detergent solution. |

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

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| Additional hazards when processed | : When heated, material emits irritating fumes. |
| Precautions for safe handling | : Avoid contact with skin and eyes. Wear personal protective equipment. |
| Hygiene measures | : Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Always wash hands after handling the product. |

7.2. Conditions for safe storage, including any incompatibilities

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| Storage conditions | : Do not expose to temperatures exceeding 50 °C/ 122 °F. Store in a dry place. |
| Maximum storage period | : 12 months |
| Storage temperature | : 10 – 50 °C |

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Acrylate (TRADE SECRET)

Not applicable

Glycidyl ether blend (TRADE SECRET)

Not applicable

Bisphenol-A Epoxy Resin (25068-38-6)

Not applicable

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8.2. Appropriate engineering controls

- Appropriate engineering controls : Provide local exhaust or general room ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
- Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Gloves. Safety glasses. Protective goggles.

Materials for protective clothing:

butyl rubber. Chloroprene rubber. Nitrile rubber

Hand protection:

Gloves. butyl rubber. Chloroprene rubber. Nitrile rubber. Protective gloves

Eye protection:

Chemical goggles or safety glasses

Skin and body protection:

Long sleeved protective clothing

Respiratory protection:

Not expected to present a respiratory hazard under ambient conditions of normal industrial use due to low vapor pressure. Airborne concentrations greater than safe limits may be exceeded when material is sprayed, aerosolized, or heated. Use approved respiratory protection.

Personal protective equipment symbol(s):



Thermal hazard protection:

Use insulated gloves when handling this material hot.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Physical state : Liquid
- COLOR/COLOUR : clear light yellow
- ODOR/OLOR : Mild odor nondescript
- Odor threshold : No data available
- pH : No data available
- Melting point : Not applicable
- Freezing point : < 0 °C
- Boiling point : > 120 °C
- Flash point : > 100 °C
- Relative evaporation rate (butyl acetate=1) : No data available
- Flammability (solid, gas) : No data available
- Vapor pressure : < 0.1 mm Hg 20 °C
- Relative vapor density at 20°C : No data available
- Relative density : No data available
- Density : 1.11 g/cm³
- Solubility : insoluble in water.
- Partition coefficient n-octanol/water (Log Pow) : No data available
- Auto-ignition temperature : > 300 °C
- Decomposition temperature : No data available

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Viscosity, kinematic	: 450.45 mm ² /s
Viscosity, dynamic	: 500 cP 25 C
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 of use and storage.

10.3. Possibility of hazardous reactions

Reaction with amines in large amounts or under uncontrolled conditions may produce extreme heat with noxious smoke and fumes.

10.4. Conditions to avoid

Overheating.

10.5. Incompatible materials

Oxidizing agent.

10.6. Hazardous decomposition products

Carbon dioxide. Carbon monoxide. Irritating and/or toxic gases or fumes may be generated by thermal decomposition or combustion.
Residual monomer.

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

Acrylate (TRADE SECRET)	
LD50 oral rat	3680 mg/kg
LD50 dermal rabbit	5170 mg/kg
LC50 Inhalation - Rat	> 55 mg/l/4h
ATE US (oral)	3680 mg/kg body weight
ATE US (dermal)	5170 mg/kg body weight

Glycidyl ether blend (TRADE SECRET)	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rabbit	> 2150 mg/kg

Bisphenol-A Epoxy Resin (25068-38-6)	
LD50 oral rat	11400 mg/kg
LD50 dermal rat	> 5000 mg/kg

Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitization	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified

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

STOT-repeated exposure	: Not classified
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Aspiration hazard	: Not classified
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Viscosity, kinematic	: 450.45 mm ² /s
Symptoms/effects	: Delayed adverse effects possible.
Symptoms/effects after inhalation	: Not expected to present a respiratory hazard under ambient conditions of normal industrial use due to low vapor pressure. Vapors from heated material may cause mild respiratory irritation with dryness and cough.
Symptoms/effects after skin contact	: May cause an allergic skin reaction. severe skin irritation, redness, dermatitis. Skin rash/inflammation. Itching.
Symptoms/effects after eye contact	: Causes eye irritation. Swelling and conjunctivitis. redness, itching, tears.
Symptoms/effects after ingestion	: May cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Chronic symptoms	: Cross-sensitization, or allergic response away from direct contact area may occur. . Symptoms of chronic overexposure may not be readily apparent.

Glycidyl ether blend (TRADE SECRET)	
Chronic symptoms	Allergic response, tissue swelling, hives.
Bisphenol-A Epoxy Resin (25068-38-6)	
Chronic symptoms	Allergic response, tissue swelling, hives.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: Toxic to aquatic life with long lasting effects.
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Acrylate (TRADE SECRET)	
LC50 - Fish [1]	0.87 mg/l OECD 203 96 Hr
EC50 - Crustacea [1]	19.9 mg/l OECD 202, 48 Hr
EC50 - Other aquatic organisms [1]	18.8 mg/l Scenedesmus Subspicatus, OECD 201, 72 hr
NOEC (acute)	0.89 mg/l Zebra fish, OECD 203

Bisphenol-A Epoxy Resin (25068-38-6)	
LC50 - Fish [1]	1.3 mg/l (96 h; Oncorhynchus mykiss; Lethal)
EC50 - Crustacea [1]	2.1 mg/l (48 h; Daphnia magna; Locomotor effect)
LC50 - Fish [2]	2.3 mg/l (96 h; Oncorhynchus mykiss; Nominal concentration)
EC50 - Crustacea [2]	1.8 mg/l (48 h; Daphnia magna)
ErC50 algae	11 mg/l Scenedesmus Growth rate inhibition carpicornrutum (fresh water algae) 72h
NOEC (chronic)	0.3 mg/l Daphnia Magna, Fresh water 21 days (OECD 211 equivalent)
NOEC chronic fish	0.351 ng/l Pimephales promela, Fresh water, 32 days
NOEC chronic crustacea	0.32 ng/l Daphnia Magna, Fresh water semi-static, 21 days

12.2. Persistence and degradability

Glycidyl ether blend (TRADE SECRET)	
Persistence and degradability	Biodegradability in water: no data available.
Biochemical oxygen demand (BOD)	0.14 g O ₂ /g substance
Chemical oxygen demand (COD)	2.46 g O ₂ /g substance
ThOD	2.66 g O ₂ /g substance
BOD (% of ThOD)	0.0526

Bisphenol-A Epoxy Resin (25068-38-6)	
Persistence and degradability	not readily degradable in water.

12.3. Bioaccumulative potential

MetLab Epoxy Resin Met-Mount 2(None - mix)	
Bioaccumulative potential	Low bioaccumulation potential.
Acrylate (TRADE SECRET)	
Partition coefficient n-octanol/water (Log Kow)	> 4 23 C
Glycidyl ether blend (TRADE SECRET)	
Partition coefficient n-octanol/water (Log Pow)	2.97 Estimated
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

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Bisphenol-A Epoxy Resin (25068-38-6)

BCF - Fish [1]	3 – 31 QSAR
Partition coefficient n-octanol/water (Log Pow)	3.242 estimated
Bioaccumulative potential	Low bioaccumulation potential.

12.4. Mobility in soil

Bisphenol-A Epoxy Resin (25068-38-6)

Surface tension	0.0587 – 0.0589 N/m 20 °C
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12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods	: Landfilling of free liquid not recommended. Fuels burning or incineration preferred for material disposed of in "as sold" condition if regulations permit.
Product/Packaging disposal recommendations	: Dispose of contents or partial containers in accordance with local/regional regulations. Direct disposal of free liquid without treatment to landfill IS NOT recommended.
Additional information	: Landfilling of free liquid not recommended. Fuels burning or incineration preferred for material disposed of in "as sold" condition if regulations permit.

SECTION 14: Transport information

Department of Transportation (DOT)

Not regulated for non-bulk transport by road and rail within North America

Transport by sea

Transport document description (IMDG)	: UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Bisphenol-A Epoxy Resin), 9, III, MARINE POLLUTANT
UN-No. (IMDG)	: 3082
Class (IMDG)	: 9 - Miscellaneous dangerous substances and articles
Packing group (IMDG)	: III - substances presenting low danger
Limited quantities (IMDG)	: 5 L

Air transport

Transport document description (IATA)	: UN 3082 Environmentally hazardous substance, liquid, n.o.s. (Bisphenol-A Epoxy Resin), 9, III
UN-No. (IATA)	: 3082
Proper Shipping Name (IATA)	: Environmentally hazardous substance, liquid, n.o.s.
Class (IATA)	: 9 - Miscellaneous Dangerous Substances and Articles
Packing group (IATA)	: III - Low danger

SECTION 15: Regulatory information

15.1. US Federal regulations

MetLab Epoxy Resin Met-Mount 2(None - mix)

SARA Section 311/312 Hazard Classes	Health hazard - Respiratory or skin sensitization Health hazard - Skin corrosion or Irritation Health hazard - Serious eye damage or eye irritation
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Acrylate (TRADE SECRET)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Glycidyl ether blend (TRADE SECRET)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Bisphenol-A Epoxy Resin (25068-38-6)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

EPA TSCA Regulatory Flag	XU - XU - indicates a substance exempt from reporting under the Chemical Data Reporting Rule, (40 CFR 711).
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National regulations

MetLab Epoxy Resin Met-Mount 2 (None - mix)

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

EU-Regulations

MetLab Epoxy Resin Met-Mount 2 (None - mix)

RoHS Substance	No
SVHC	No

Acrylate (TRADE SECRET)

SVHC	No
RoHS Substance	No

Glycidyl ether blend (TRADE SECRET)

SVHC	No
RoHS Substance	No

Glycidyl ether blend (TRADE SECRET)

Listed on ELINCS (European List of Notified Chemical Substances)	
SVHC	No
RoHS Substance	No

Bisphenol-A Epoxy Resin (25068-38-6)

SVHC	No
RoHS Substance	No

No additional information available

SECTION 16: Other information

SDS US Regulation reference

- Revision date
- :
- 03/12/2024
- Other information
- :
- DISCLAIMER: To the best of our knowledge, the information contained in this SDS is accurate or is obtained from sources believed to be accurate. However, no liability, expressed or implied, is assumed for the accuracy or completeness of the information contained herein. Buyer assumes liability in its use of the material.

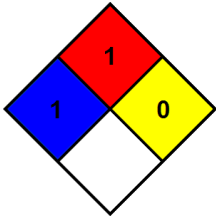
Abbreviations and acronyms:

	N.A. - Not Applicable N.E. - Not Established N.D. - Not Determined ACGIH = American Conference of Governmental Industrial Hygienists OSHA = US Occupational Health and Safety Administration TLV-TWA = Threshold Limit Value-Time Weighted Average (8 hrs) STEL = Short-Term Exposure Limit (15 min) C = Ceiling Value PEL = Permissible Exposure Limit OEL = Occupational Exposure Limit IDLH = Immediately Dangerous to Life and Health ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor PNEC = Predicted No Effect Concentration LOAEL = Lowest Observed Adverse Effect Level NOAEL = No Observed Adverse Effect Level NOAEC = No Observed Adverse Effect Concentration
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NFPA health hazard	: 1 - Materials that, under emergency conditions, can cause significant irritation.	
NFPA fire hazard	: 1 - Materials that must be preheated before ignition can occur.	
NFPA reactivity	: 0 - Material that in themselves are normally stable, even under fire conditions.	
Hazard Rating		
Health	: 2 Moderate Hazard - Temporary or minor injury may occur	
Flammability	: 1 Slight Hazard - Materials that must be preheated before ignition will occur. Includes liquids, solids and semi solids having a flash point above 200 F. (Class IIIB)	
Physical	: 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.	
Personal protection	: C C - Safety glasses, Gloves, Synthetic apron	

SDS US MetLab custom NO P65 No STATE

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