

SAFETY DATA SHEET

Supplier :	GLUE MASTERS LLC 113 Cherry street, 72744, Seattle, WA, 98104-2205, USA
Manufacturer :	GLUE MASTERS LLC 113 Cherry street, 72744, Seattle, WA, 98104-2205, USA
Prepared by :	Shenzhen AOKT Technology Service Co., Ltd. 301, No. 2157-1, Bixin Road, Nanlian Community, Longgang Street, Longgang District, Shenzhen, Guangdong, 518116 China
Product name :	Glue Masters 2 Part Epoxy, 5 Minute Set, 0.81 Ounce Syringe, Clear - Resin
Model :	24MLEPOXYGM
Mark :	/

SDS

Drafted by:	<i>mubae</i>
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Approved by:	<i>Hayden</i>



Report Date : **May 26, 2023**

Report No. : **AOK230524F42SR**

SECTION 1- CHEMICAL PRODUCT INFORMATION

Product details:

Product name	:	Glue Masters 2 Part Epoxy, 5 Minute Set, 0.81 Ounce Syringe, Clear - Resin
Model	:	24MLEPOXYGM
Mark	:	/
End use	:	Household, workshops
TEL	:	+1 883-458-6787
Emergency telephone number	:	+1 800-633-8253 (24- Hours) +1 801-629-0667
E-mail	:	sales@gluemasters.com

Supplier/Manufacturer

Supplier	:	GLUE MASTERS LLC
Address	:	113 Cherry street, 72744, Seattle, WA, 98104-2205, USA
Manufacturer	:	GLUE MASTERS LLC
Address	:	113 Cherry street, 72744, Seattle, WA, 98104-2205, USA

Summary:

As specified by the client, This safety data sheet was prepared in accordance with UN GHS Rev.9, 2021, The Regulation (EC) No 1272/2008 (CLP) (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830, and US OSH Hazard Communication Standards (29 CFR 1910.1200). Please refer to attached report for details.

SECTION 2- HAZARDS IDENTIFICATION

Classification of the substance or mixture : **Classification (CLP):**

Skin irritation: Category 2

H315: Causes skin irritation.

Serious eye irritation: Category 2

H319: Causes serious eye irritation.


Skin sensitizer: Category 1

H317: May cause an allergic skin reaction.

Chronic hazards to the aquatic environment: Category 2

H411: Toxic to aquatic life with long lasting effects.

SECTION 2- HAZARDS IDENTIFICATION

Label elements	: Hazard pictograms: 	Signal word: Warning
Hazard statement: H315: Causes skin irritation. H317: May cause an allergic skin reaction. H319: Causes serious eye irritation. H411: Toxic to aquatic life with long lasting effects.		
Precautionary statement: Prevention P273: Avoid release to the environment. P280: Wear protective gloves.		
Precautionary statement: Response P302+P352: IF ON SKIN: Wash with plenty of soap and water. P333+P313: If skin irritation or rash occurs: Get medical advice/attention. P337+P313: If eye irritation persists: Get medical advice/attention.		
Other hazards	: None if used properly. Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.	

SECTION 3- COMPOSITION /HAZARDOUS INGREDIENTS

This product is a mixture.

Chemical Name	CAS No.	Content (wt%)
Bisphenol A-epichlorohydrin polymer	25068-38-6	≥60
(3-(2,3-Epoxypropoxy) propyl) trimethoxysilane	2530-83-8	≥0,1

SECTION 4- FIRST AID MEASURES

Indication of any immediate medical attention and special treatment needed	: See section: Description of first aid measures
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SECTION 4- FIRST AID MEASURES

Description of first aid measures	<p>Inhalation: Move to fresh air. If symptoms persist, seek medical advice.</p> <p>Skin contact: Rinse with running water and soap. Seek medical advice.</p> <p>Eye contact: Rinse immediately with plenty of running water (for 10 minutes). Seek medical attention if necessary.</p> <p>Ingestion: Rinse out mouth, drink 1-2 glasses of water, do not induce vomiting. Seek medical advice.</p>
Most important symptoms and effects, both acute and delayed	<p>Causes burns.</p> <p>INGESTION: Nausea, vomiting, diarrhea, abdominal pain.</p> <p>RESPIRATORY: Irritation, coughing, shortness of breath, chest tightness.</p> <p>SKIN: Rash, Urticaria.</p>

SECTION 5- FIGHTING MEASURES

Extinguishing media	<p>Suitable extinguishing media: Carbon dioxide, foam, powder</p> <p>Extinguishing media which must not be used for safety reasons: None known</p>
Special hazards arising from the substance or mixture	None carbon oxides.
Advice for firefighters	Wear self-contained breathing apparatus. Wear protective equipment.
Additional information:	In case of fire, keep containers cool with water spray.

SECTION 6- ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	<p>Ensure adequate ventilation.</p> <p>Avoid skin and eye contact.</p>
Personal precautions, protective equipment and emergency procedures	Wear protective equipment.
Environmental precautions	Do not let product enter drains.
Methods and materials for containment and cleaning up	<p>For large spills absorb onto inert absorbent material and place in sealed container for disposal.</p> <p>Dispose of contaminated material as waste according to Section 13.</p>
Reference to other sections	See advice in section 8

SECTION 7- HANDING AND STORAGE

Precautions for safe handling	<p>: Avoid skin and eye contact. Use only in well-ventilated areas. Gloves and safety glasses should be worn Do not inhale vapors and fumes.</p> <p>Hygiene measures: Wash hands before work breaks and after finishing work. Do not eat, drink or smoke while working. Good industrial hygiene practices should be observed.</p>
Conditions for safe storage, including any incompatibilities	<p>: Store in sealed original container. Store in a cool, well-ventilated place.</p>
Specific end use(s)	<p>: Epoxy Hardener</p>

SECTION 8- EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls	<p>: Ensure good ventilation/extraction.</p>
Respiratory protection	<p>: Ensure adequate ventilation. An approved mask or respirator fitted with an organic vapour cartridge should be worn if the product is used in a poorly ventilated area Filter type: A (EN 14387)</p>
Hand protection	<p>: Chemical-resistant protective gloves (EN 374). Suitable materials for short-term contact or splashes (recommended: at least protection index 2, corresponding to > 30 minutes permeation time as per EN 374): nitrile rubber (NBR; >= 0.4 mm thickness)</p> <p>Suitable materials for longer, direct contact (recommended: protection index 6, corresponding to > 480 minutes permeation time as per EN 374): nitrile rubber (NBR; >= 0.4 mm thickness)</p> <p>This information is based on literature references and on information provided by glove manufacturers, or is derived by analogy with similar substances. Please note that in practice the working life of chemical-resistant protective gloves may be considerably shorter than the permeation time determined in accordance with EN 374 as a result of the many influencing factors (e.g. temperature). If signs of wear and tear are noticed then the gloves should be replaced.</p>
Eye protection	<p>: Protective goggles Protective eye equipment should conform to EN166.</p>
Skin protection	<p>: Wear suitable protective clothing. Protective clothing should conform to EN 14605 for liquid splashes or to EN 13982 for dusts.</p>

SECTION 8- EXPOSURE CONTROLS / PERSONAL PROTECTION

Advices to personal protection equipment : The information provided on personal protective equipment is for guidance purposes only. A full risk assessment should be conducted prior to using this product to determine the appropriate personal protective equipment to suit local conditions. Personal protective equipment should conform to the relevant EN standard.

SECTION 9- PHYSICAL AND CHEMICAL PROPERTIED

Physical State	:	Liquid
Color	:	Clear
Odour	:	Not available
Flash point	:	> 93°C
Solubility in Water	:	Insoluble
pH Value	:	Not applicable
Evaporation Rate	:	Not applicable
Flammability (solid, gas)	:	Not applicable
Specific Gravity	:	Not applicable
Boiling Point	:	> 260.0 °C
Partition coefficient (n-octanol / water)	:	Not applicable
Density (water=1)	:	1.1–1.2
Relative Vapor Density (air=1)	:	> 1
Vapor Pressure	:	< 0,0300000 mbar at 50°C
Intrinsic viscosity, DL / g	:	Not applicable
Melting point, °C	:	Not applicable
Terminal carboxyl content, mol / T	:	Not applicable
Chromaticity b value	:	Not applicable
Chromaticity L value	:	Not applicable
Moisture (mass fraction),%	:	Not applicable
≥ 10m agglutinated particles, PCs. / NG	:	Not applicable
Diethylene glycol content (mass fraction),%	:	Not applicable
Dynamic Viscosity	:	10.000 - 20.000 mPa.s at 25°C
Iron content, mg / kg	:	Not applicable
Powder, mg / kg	:	Not applicable
Abnormal slice (mass fraction),%	:	Not applicable

SECTION 10- STABILITY AND REACTIVITY

Reactivity	: Reaction with strong acids. Reacts with strong oxidants.
Chemical stability	: Stable under recommended storage conditions.
Possibility of hazardous reactions	: See section reactivity
Conditions to avoid	: No decomposition if used according to specifications.
Incompatible materials	: See section reactivity.
Hazardous decomposition products	: carbon oxides.

SECTION 11- TOXICOLOGICAL INFORMATION

Toxicological information on this product or its components appear in this section when such data is available.

General toxicological information:	: The mixture is classified based on the available hazard information for the ingredients as defined in the classification criteria for mixtures for each hazard class or differentiation in Annex I to Regulation (EC) No 1272/2008. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following.
Inhalative toxicity:	: May cause irritation to respiratory system.
Skin irritation:	: Causes skin irritation.
Eye irritation:	: Causes serious eye irritation.
Sensitizing:	: May cause an allergic skin reaction.

Acute oral toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Epoxy resin 25068-38-6	LD50	> 2.000 mg/kg	oral		rat	OECD Guideline 420 (Acute Oral Toxicity)

Acute dermal toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Epoxy resin	LD50	> 2.000 mg/kg	dermal		rat	not specified

Skin corrosion/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Epoxy resin 25068-38-6	moderately irritating	24 h	rabbit	Draize Test

SECTION 11- TOXICOLOGICAL INFORMATION

Serious eye damage/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Epoxy resin 25068-38-6	not irritating		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)

Respiratory or skin sensitization:

Hazardous components CAS-No.	Result	Test type	Species	Method
Epoxy resin 25068-38-6	sensitising	Mouse local lymphnode assay (LLNA)	mouse	OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay)

Germ cell mutagenicity:

Hazardous components CAS-No.	Result	Type of study / Route of administration	Metabolic activation / Exposure time	Species	Method
Epoxy resin 25068-38-6	negative	oral: gavage		mouse	not specified

Carcinogenicity:

Hazardous components CAS-No.	Result	Species	Sex	Exposure time Frequency of treatment	Route of application	Method
Epoxy resin 25068-38-6	not carcinogenic	rat	male/female	2 y daily	oral: gavage	OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)

Reproductive toxicity:

Hazardous substances CAS-No.	Result / Classification	Species	Exposure time	Species	Method
Epoxy resin 25068-38-6	NOAEL P = >= 50 mg/kg NOAEL F1 = >= 750 mg/kg NOAEL F2 = >= 750 mg/kg	Two generation study oral: gavage	238 d	rat	OECD Guideline 416 (Two-Generation Reproduction Toxicity Study)

Repeated dose toxicity

Hazardous components CAS-No.	Result	Route of application	Exposure time / Frequency of treatment	Species	Method
Epoxy resin 25068-38-6	NOAEL=50 mg/kg	oral: gavage	14 wdaily	rat	OECD Guideline 408 (Repeated Dose 90- Day Oral Toxicity in Rodents)

SECTION 12- ECOLOGICAL INFORMATION

General ecological information : The mixture is classified based on the available hazard information for the ingredients as defined in the classification criteria for mixtures for each hazard class or differentiation in Annex I to Regulation (EC) No 1272/2008. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following.

12.1 Toxicity : **Ecotoxicity:**
Toxic to aquatic life with long lasting effects.
Do not empty into drains / surface water / ground water.

Hazardous components CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
Epoxy resin 25068-38-6	LC50	1,75 mg/l	Fish	96 h	Oncorhynchus mykiss	OECD Guideline 203 (Fish, Acute Toxicity Test)
	EC50	1,7 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
	EC50	> 11 mg/l	Algae	72 h	Scenedesmus capricornutum	OECD Guideline 201 (Alga, Growth Inhibition Test)
	NOEC	4,2 mg/l	Algae	72 h	Scenedesmus capricornutum	OECD Guideline 201 (Alga, Growth Inhibition Test)
	IC50	> 100 mg/l	Bacteria	3 h	activated sludge, industrial	other guideline:
	NOEC	0,3 mg/l	Chronic Daphnia	21 d	Daphnia magna	OECD 211 (Daphnia magna, Reproduction Test)

12.2 Persistence and degradability : The product is not biodegradable.

Hazardous components CAS-No.	Result	Route of application	Degradability	Method
Epoxy resin 25068-38-6		aerobic	5 %	OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test)

12.3 Bioaccumulative potential / 12.4. Mobility in soil : **Mobility:**
Cured adhesives are immobile.
Bioaccumulative potential:
No data available for the product.

SECTION 12- ECOLOGICAL INFORMATION

Hazardous components CAS-No.	LogPow	Bioconcentration factor (BCF)	Exposure time	Species	Temperature	Method
Epoxy resin 25068-38-6	3,242				25 °C	EU Method A.8 (Partition Coefficient)

12.5 Results of PBT and vPvB assessment

Hazardous components CAS-No.	PBT/vPvB
Epoxy resin 25068-38-6	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.

12.6 Other adverse effects : No data available.

SECTION 13- DISPOSAL CONSIDERATIONS

Product disposal	: Dispose of in accordance with local and national regulations. Collection and delivery to recycling enterprise or other registered elimination institution.
Disposal of uncleaned packages	: After use, tubes, cartons and bottles containing residual product should be disposed of as chemically contaminated waste in an authorised legal land fill site or incinerated. Disposal must be made according to official regulations.
Waste code	: 08 04 09 waste adhesives and sealants containing organic solvents and other dangerous substances. The valid EWC waste code numbers are source-related. The manufacturer is therefore unable to specify EWC waste codes for the articles or products used in the various sectors. The EWC codes listed are intended as a recommendation for users. We will be happy to advise you.

SECTION 14- TRANSPORT INFORMATION

UN number	: ADR: 3082 RID: 3082 ADN: 3082 IMDG: 3082 IATA: 3082
UN proper shipping name	: ADR: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Bisphenol-F Epichlorhydrin resin,Bisphenol-A Epichlorhydrin resin) RID: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Bisphenol-F Epichlorhydrin resin,Bisphenol-A Epichlorhydrin resin) ADN: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Bisphenol-F Epichlorhydrin resin,Bisphenol-A Epichlorhydrin resin) IMDG: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Bisphenol-F Epichlorhydrin resin,Bisphenol-A Epichlorhydrin resin) IATA: Environmentally hazardous substance, liquid, N.O.S. (Bisphenol-F Epichlorhydrin resin,Bisphenol-A Epichlorhydrin resin)
Transport hazard class(es)	: ADR: 9 RID: 9 ADN: 9 IMDG: 9 IATA: 9
Packing group	: ADR: III RID: III ADN: III IMDG: III IATA: III
Environmental hazards	: ADR: not applicable RID: not applicable ADN: not applicable IMDG: Marine pollutant IATA: not applicable
Special precautions for user	: ADR: not applicable Tunnelcode: RID: not applicable ADN: not applicable IMDG: not applicable IATA: not applicable <p>The transport classifications in this section apply generally to packed and bulk goods alike. For containers with a net volume of no more than 5 L for liquid substances or a net mass of no more than 5 kg for solid substances per individual or inner package, the exemptions SP 375 (ADR), 197 (IATA), 969 (IMDG) may be applied, which can result in a deviation from the transport classification for packed goods.</p>
Transport in bulk according to Annex II of Marpol and the IBC Code	: not applicable

SECTION 15- REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture	Non-hazardous product, according to EU Regulations 1907/2006, 1272/2008 (REACH, CLP). SVHC (substances of very high concern): none of the components are listed.
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SECTION 15- REGULATORY INFORMATION

Chemical safety assessment

Not applicable

Safety, health and environmental regulations/legislation specific for the substance or mixture EU regulations for all EU Member states:

- Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006. Concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency with following amendments.
- Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008. On classification, labelling and packaging of substances and mixtures (CLP), amending and repealing Directives 67/548/EEC and 1999/45/EC and amending Regulation (EC) No 1907/2006.
- Regulation (EU) No 453/2010 of the Commission of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).
- Regulation (EC) No 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
- Regulation (EC) 649/2012 of the European Parliament and of the Council of 4 July 2012. Concerning the export and import of hazardous chemicals.
- European Agreement Concerning the International Carriage of Dangerous Goods by Road (ADR)

Authorisation and/or restrictions on use:

- Substances of very high concern (SVHC) according to Article 59(10) of the REACH Regulation

Other Law Information

- 《Dangerous Goods Regulation》
- 《Recommendations on the Transport of Dangerous Goods Model Regulations》
- 《International Maritime Dangerous Goods 》
- 《Technical Instructions for the Safe Transport of Dangerous Goods》
- 《Classification and code of dangerous goods》
- 《Occupational Safety and Health Act》 (OSHA)
- 《Toxic Substances Control Act》 (TSCA)
- 《Consumer Product Safety Act》 (CPSA)
- 《Federal Environmental Pollution Control Act》 (FEPCA)
- 《The Oil Pollution Act》 (OPA)
- 《Superfund Amendments and Reauthorization Act Title III (302/311/312/313) 》 (SARA)
- 《Resource Conservation and Recovery Act》 (RCRA)
- 《Safety Drinking Water Act》 (CWA)
- 《California Proposition 65 》
- 《Code of Federal Regulations 》 (CFR)

In accordance with all Federal, State and Local laws.

SECTION 16- OTHER INFORMATION

The information in this (M)SDS is obtained from sources we believe are reliable. However, the information provided does not make any warranty, express or implied, for its correctness. The conditions or methods of handling, storage, use or disposal of products are beyond our control. It may be that we are not familiar with the information of this product, and the data provided after this information may be modified. For this reason and other reasons, we are not responsible for any loss, damage or expense arising from or in any form related to the processing, storage, use or disposal of the product. This (M)SDS is only used for this product. If this product is used as a component of other products, this (M)SDS information may not be applicable.

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