

# SAFETY DATA SHEET

## SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product identifier

Product name : Anchoring Epoxy adhesive

Product code : **WF-AE390**

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

No additional information available

### 1.3. Details of the supplier of the safety data sheet

Registered company name : Shanghai Wolfix Materials Co.,Ltd.

Address : Room 703, Building 3, No.101 Youyi Rd, Baoshan district, Shanghai.

Telephone : +86 150 0066 9292

Email : [Info@wolf-fix.com](mailto:Info@wolf-fix.com)

[www.wolf-fix.com](http://www.wolf-fix.com)

### 1.4. Emergency telephone number : +86 150 0066 9292.

Association/Organisation : Company Phone (24h)

## SECTION 2 : HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

#### GHS-US classification .

Skin Corr. 1A

H314 - Causes severe skin burns and eye damage.

Skin Sens. 1

H317 - May cause an allergic skin reaction.

Aquatic Chronic 3

H412 - Harmful to aquatic life with long lasting effects.

### 2.2. Label elements

GHS US labelling

Hazard pictograms (GHS US)



GHS07



GHS09

Signal word (GHS US)

Hazard statements (GHS US)

Danger

Precautionary statements (GHS US)

H314 - Causes severe skin burns and eye damage.

H317 - May cause an allergic skin reaction.

H412 - Harmful to aquatic life with long lasting effects.

P280 - Wear eye protection, protective clothing, protective gloves.

P262 - Do not get in eyes, on skin, or on clothing.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.

P337+P313 - If eye irritation persists: Get medical advice/attention.

**2.3. Other hazards**

No additional information available

**2.4. Unknown acute toxicity (GHS US)**

Not applicable

**SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS****3.2. Mixtures**

Name	Product identifier	%	GHS-US classification
Quartz (SiO <sub>2</sub> )	CAS-No.) 14808-60-7	60 - 80	Carc. 1A, H350
m-Xylylenediamine	(CAS-No.) 1477-55-0	10 - 25	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Corr. 1B, H314 Skin Sens. 1, H317
Formaldehyde, telomer with 1,3-benzenedimethanamine, 1,3-benzenediol and ethenylbenzene	CAS-No.) 710292-85-6	10 - 25	Skin Sens. 1B, H317 Aquatic Acute 2, H401 Aquatic Chronic 2, H411

Full text of H-statements: see section 16

**SECTION 4 : FIRST AID MEASURES****4.1. Description of first aid measures**

First-aid measures general	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	Wash with plenty of water/.... Take off immediately all contaminated clothing. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get immediate medical advice/attention.
First-aid measures after eye contact	Get immediate medical advice/attention. Immediately rinse with water for a prolonged period while holding the eyelids wide open. Remove contact lenses, if present and easy to do. Continue rinsing. Consult an eye specialist.
First-aid measures after ingestion	Drink plenty of water. Do not induce vomiting. Rinse mouth. Immediately call a POISON CENTER/doctor.

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

Potential adverse human health effects and symptoms	Based on available data, the classification criteria are not met.
Symptoms/effects	Causes severe skin burns and eye damage.
Symptoms/effects after inhalation	May cause an allergic skin reaction.
ymptoms/effects after eye contact	Causes serious eye damage.

**4.3. Immediate medical attention and special treatment, if necessary****SECTION 5 : FIREFIGHTING MEASURES**

**5.1. Extinguishing media**

Suitable extinguishing media	Foam. Dry powder. Carbon dioxide. Water spray.
Unsuitable extinguishing media	Sand. Do not use a heavy water stream.

**5.2. Special hazards arising from the substance or mixture**

Reactivity	Corrosive vapours.
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**5.3. Advice for firefighters**

Firefighting instructions	Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
Protection during firefighting	Self-contained breathing apparatus. Do not enter fire area without proper protective equipment, including respiratory protection.

**SECTION 6 : ACCIDENTAL RELEASE MEASURES****6.1. Personal precautions, protective equipment and emergency procedures**

General measures	Spilled material may present a slipping hazard.
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**6.1.1. For non-emergency personnel**

Emergency procedures	Evacuate unnecessary personnel.
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**6.1.2. For emergency responders**

Protective equipment	Use personal protective equipment as required. Equip cleanup crew with proper protection
Emergency procedures	Ventilate area.

**6.2. Environmental precautions**

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment. Full or only partially emptied cartridges must be disposed of as special waste in accordance with official regulations. After curing, the product can be disposed of with household waste.

**6.3. Methods and material for containment and cleaning up**

For containment	Methods for collect spillage.
cleaning up	This material and its container must be disposed of in a safe way, and as per local legislation. Mechanically recover the product. On land, sweep or shovel into suitable containers. Store away from other materials.
Other information	Dispose of materials or solid residues at an authorized site.

**6.4. Reference to other sections**

For further information refer to section 8: "Exposure controls/personal protection". For further information refer to section 13.

**SECTION 7 : HANDLING AND STORAGE****7.1. Precautions for safe handling**

Precautions for safe handling	Wear personal protective equipment. Avoid contact with skin and eyes. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Avoid contact during pregnancy/while nursing.
Hygiene measures	Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

**7.2. Conditions for safe storage, including any incompatibilities**

Technical measures	Comply with applicable regulations.
Storage conditions	Protect from sunlight. Store in a well-ventilated place.
Incompatible products	Strong bases. Strong acids.
Incompatible materials	Sources of ignition. Direct sunlight.
Storage temperature	41 - 77 °F
Heat and ignition sources	Keep away from heat and direct sunlight.

## SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

Formaldehyde, telomer with 1,3-benzenedimethanamine, 1,3-benzenediol and ethenylbenzene (710292-85-6)		
Not applicable		
m-Xylylenediamine (1477-55-0)		
ACGIH	ACGIH Ceiling (ppm)	0.018 ppm
ACGIH	Remark (ACGIH)	Eye, skin, & GI irr
Quartz (SiO <sub>2</sub> ) (14808-60-7)		
ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	0.025 mg/m <sup>3</sup> (Respirable fraction)
ACGIH	Remark (ACGIH)	TLV® Basis: Pulm fibrosis; lung cancer. Notations: A2 (Suspected Human Carcinogen)
OSHA	Remark (OSHA)	(3) See Table Z-3.

Additional information	The product has a pasty consistency. Exposure limit values for respirable dusts are not relevant for this product.
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### 8.2. Exposure controls

Personal protective equipment	Safety glasses. Gloves. Protective clothing. Avoid all unnecessary exposure.
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Hand protection	Wear protective gloves. The permeation time is not the maximum wearing time! Generally speaking, it must be reduced. Contact with either mixtures of substances or different substances may shorten the protective function's effective duration.
Eye protection	Wear security glasses which protect from splashes.
Skin and body protection	Wear suitable protective clothing.
Environmental exposure controls	Avoid release to the environment.
Consumer exposure controls	Avoid contact during pregnancy/while nursing.
Other information	Do not eat, drink or smoke during use.

## SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

Physical state	Solid
Appearance	Thixotropic paste.
Colour	Black
Odour	Amine-like
Odour threshold	No data available
PH	11.5

Melting point	No data available
Freezing point	No data available
Boiling point	No data available
Flash point	No data available
Relative evaporation rate (butylacetate=1)	No data available
Flammability (solid, gas)	No data available
Explosive limits	No data available
Explosive properties	No data available
Oxidizing properties	No data available
Vapour pressure	No data available
Relative density	No data available
Relative vapour density at 20 °C	No data available
Density	1.65 g/cm <sup>3</sup>
Solubility	insoluble in water.
Log Pow	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Viscosity, kinematic	No data available
Viscosity, dynamic	No data available

## 9.2. Other information

No additional information available

## SECTION 10 : STABILITY AND CREATIVITY

### 10.1. Reactivity

Corrosive vapours.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No data available.

### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

### 10.5. Incompatible materials

Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Thermal decomposition generates : fume. Carbon monoxide. Carbon dioxide. Corrosive vapours.

## SECTION 11 : TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

Acute toxicity	Not classified
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Formaldehyde, telomer with 1,3-benzenedimethanamine, 1,3-benzenediol and ethenylbenzene (710292-85-6)	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rat	> 2000 mg/kg
m-Xylylenediamine (1477-55-0)	
LD50 oral rat	> 1090 mg/kg
LD50 dermal rat	> 3100 mg/kg
ATE US (oral)	660 mg/kg bodyweight
ATE US (dust,mist)	1.34 mg/l/4h

Skin corrosion/irritation	Causes severe skin burns and eye damage. pH: 11.5
Serious eye damage/irritation	Serious eye damage, category 1, implicit pH: 11.5
Respiratory or skin sensitisation	May cause an allergic skin reaction.
Germ cell mutagenicity	Not classified
Carcinogenicity .	Based on available data, the classification criteria are not met Not classified

Quartz (SiO2) (14808-60-7)	
IARC group	1 - Carcinogenic to humans

Reproductive toxicity	Not classified Based on available data, the classification criteria are not met
STOT-single exposure	Not classified
STOT-repeated exposure	Not classified
Aspiration hazard	Not classified
Potential adverse human health effects and symptoms	Based on available data, the classification criteria are not met.
Symptoms/effects after inhalation	May cause an allergic skin reaction.
Symptoms/effects after eye contact	Causes serious eye damage.

## SECTION 12 : ECOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

Ecology – water                      Harmful to aquatic life with long lasting effects.

Formaldehyde, telomer with 1,3-benzenedimethanamine, 1,3-benzenediol and ethenylbenzene (710292-85-6)	
LC50 fish 1	>= 50 mg/l
LC50 other aquatic organisms 1	>= 31.8 mg/l
EC50 Daphnia 1	2.4 mg/l
NOEC chronic algae	6.25 mg/l

m-Xylylenediamine (1477-55-0)	
LC50 fish 1	75 mg/l
LC50 other aquatic organisms 1	20.3 ppb
EC50 Daphnia 1	15 mg/l
LOEC (chronic)	15 mg/l
NOEC (acute)	10.5 mg/kg
LOEC (chronic)	4.7 mg/l
NOEC chronic crustacea	4.7 mg/l

**12.2. Persistence and degradability**

HM-500	
Persistence and degradability	May cause long-term adverse effects in the environment.
Quartz (SiO <sub>2</sub> ) (14808-60-7)	
Persistence and degradability	Biodegradability: not applicable.
Chemical oxygen demand (COD)	Not applicable (inorganic)
ThOD	Not applicable (inorganic)

**12.3. Bioaccumulative potential**

HM-500	
Bioaccumulative potential	Not established.
Formaldehyde, telomer with 1,3-benzenedimethanamine, 1,3-benzenediol and ethenylbenzene (710292-85-6)	
Bioconcentration factor (BCF REACH)	>= 12.9
Log Pow	5.14
Quartz (SiO <sub>2</sub> ) (14808-60-7)	
Bioaccumulative potential	No bioaccumulation data available.

**12.4. Mobility in soil**

Quartz (SiO <sub>2</sub> ) (14808-60-7)	
Ecology - soil	Low potential for mobility in soil.

**12.5. Other adverse effects**

Other information

Avoid release to the environment

**SECTION 13 : DISPOSAL CONSIDERATIONS****13.1. Waste treatment methods**

Regional legislation (waste)

Disposal must be done according to official regulations.

Product/Packaging disposal recommendations

After curing, the product can be disposed of with household waste. . Full or only partially emptied cartridges must be disposed of as special waste in accordance with official regulations. Packaging contaminated by the product : Dispose in a safe manner in accordance with local/national regulations.

Ecology - waste materials

Avoid release to the environment.

**SECTION 14 : TRANSPORT INFORMATION****14.1. UN number**

3082

**14.2. UN proper shipping name**

UN3082=ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(reaction product: bisphenol-a-(epichlorhydrin), phenol, polymer with formaldehyde, glycidyl ether (bisphenol f - epichlorhydrin resin with number average molecular weight < 700))

- Classification :



**14.3. Packing group**

III

**14.4. Packing group**

- Environmentally hazardous material :

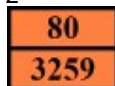
**14.5. Environmental hazards**

Not available

**14.6. Special precautions for user****- Overland transport**

Classification code (ADR)  
 Special provisions (ADR)  
 Limited quantities (ADR)  
 Packing instructions (ADR)  
 Mixed packing provisions (ADR)  
 Transport category (ADR)  
 Orange plates

C8  
 274  
 1kg  
 P002, IBC08  
 MP10  
 2



Tunnel restriction code (ADR)

E

**- Transport by sea**

Special provisions (IMDG)  
 Limited quantities (IMDG)  
 Packing instructions (IMDG)  
 EmS-No. (Fire)  
 EmS-No. (Spillage)  
 Stowage category (IMDG)  
 Stowage and segregation  
 (IMDG) MFAG-No

274  
 1kg  
 P002  
 F-A  
 S-B  
 A  
 Separated from' acids.  
 154

**14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**

No data available.

**SECTION 15 : REGULATORY INFORMATION****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

SWISS:

- Article 13 Maternity ordinance (SR 822.111.52) :

Expectant and nursing mothers are only permitted to come into contact with this product during the course of their work if, based on a risk assessment carried out in accordance with Article 63 of Ordinance 1 on the Employment Act (ArGV 1) (SR 822.111), the chemicals in question have been found not to cause any specific harm to mothers or children or if such harm can be ruled out by taking appropriate protective measures.



- Article 4 para. 4 of the Ordinance on the protection of young people in the workplace (SR 822.115) and Article 1 lit. f of the EAER regulation on hazardous work and young people (SR 822.115.2):

Young people undergoing basic vocational training may only work with this product if the relevant training ordinance makes provision for them to do so with a view to enabling them to achieve their training objectives and if the preconditions for the training plan have been met and the applicable age restrictions have been complied with. Young people who are not completing any basic vocational training are not permitted to work with this product.

Employees of either sex who are under 18 years old are classed as young people.

#### - Classification and labelling information included in section 2:

The following regulations have been used:

- EU Regulation No. 1272/2008 amended by EU Regulation No. 2016/1179. (ATP 9)

#### - Container information:

No data available.

#### - Particular provisions :

No data available.

#### - Standardised American system for the identification of hazards presented by the product in view of emergency procedures (NFPA 704) :

NFPA 704, Labelling: Health=2 Inflammability=1 Instability/Reactivity=1 Specific Risk=none



#### - Swiss ordinance on the incentive tax on volatile organic compounds :

108-65-6

acétate de 1-méthoxy-2-propyle

#### 15.2. Chemical safety assessment

No data available.

### SECTION 16 : OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions. It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

#### Wording of the phrases mentioned in section 3 :

H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.

H332	Harmful if inhaled.
H411	Toxic to aquatic life with long lasting effects.

**Abbreviations :**

DNEL : Derived No-Effect Level

PNEC : Predicted No-Effect Concentration

ADR : European agreement concerning the international carriage of dangerous goods by Road.

IMDG : International Maritime Dangerous Goods.

IATA : International Air Transport Association.

ICAO : International Civil Aviation Organisation

RID : Regulations concerning the International carriage of Dangerous goods by rail.

WGK : Wassergefährdungsklasse (Water Hazard Class).

GHS07 : Exclamation mark

GHS09 : Environment

PBT: Persistent, bioaccumulable and toxic.

vPvB : Very persistent, very bioaccumulable.

SVHC : Substances of very high concern.