

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

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)

Danger

Hazard 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.

Precautionary statements (GHS US)

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 ₂) | 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. |
|------------|--------------------|

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**

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|------------------|---|
| General measures | Spilled material may present a slipping hazard. |
|------------------|---|

6.1.1. For non-emergency personnel

| | |
|----------------------|---------------------------------|
| Emergency procedures | Evacuate unnecessary personnel. |
|----------------------|---------------------------------|

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 ₂) (14808-60-7) | | |
| ACGIH | ACGIH TWA (mg/m ³) | 0.025 mg/m ³ (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.

8.2. Exposure controls

Personal protective equipment Safety glasses. Gloves. Protective clothing. Avoid all unnecessary exposure.



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 ³ |
| 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

| | |
|--|----------------------|
| 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 |

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) | C8 | | |
| Special provisions (ADR) | 274 | | |
| Limited quantities (ADR) | 1kg | | |
| Packing instructions (ADR) | P002, IBC08 | | |
| Mixed packing provisions (ADR) | MP10 | | |
| Transport category (ADR) | 2 | | |
| Orange plates | <table border="1"> <tr> <td>80</td> </tr> <tr> <td>3259</td> </tr> </table> | 80 | 3259 |
| 80 | | | |
| 3259 | | | |

Tunnel restriction code (ADR)

E

- Transport by sea

| | |
|--|-------------------------------|
| Special provisions (IMDG) | 274 |
| Limited quantities (IMDG) | 1kg |
| Packing instructions (IMDG) | P002 |
| EmS-No. (Fire) | F-A |
| EmS-No. (Spillage) | S-B |
| Stowage category (IMDG) | A |
| Stowage and segregation (IMDG) MFAG-No | 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.