

Centre Testing International Group

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Report Number : SD18014517010101

Applicant : NANJING HUAHAO COMPOSITE CO.,LTD

Address : 377 Wenjing Road ,Jiangning
District ,Nanjing 211100,China.

Sample Name : Fiberglass Rod

Compiled by :

Rain Wan

Inspected by :

Katherine Ren

Issue date :

August 23, 2018



Safety Data Sheet
According to Regulation (EC) No 1907/2006, Annex II,
Amended by COMMISSION REGULATION (EU) 2015/830,
According to REGULATION (EC) No 1272/2008

Fiberglass Rod

Version 1.0

Issue date: 23-08-2018

Revision date: 23-08-2018

SDS Record Number: SD18014517010101

Section 1 Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier:

Identification on the label/Trade name: Fiberglass Rod
Additional identification: Glass fiber reinforced plastics rod
Identification of the product: See section 3
Index Number: See section 3
REACH registration No.: See section 3

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

1.2.1 Identified uses:

Architectural engineering. Electronic communications. Sports equipment..Tool handles. Engineering anchor rod, etc.

1.2.2 Uses advised against:

Not available.

1.3 Details of the supplier of the safety data sheet:

Supplier(Only representative): -
Supplier(Manufacturer): NANJING HUAHAO COMPOSITE CO.,LTD
Address: 377 Wenjing Road ,Jiangning District ,Nanjing 211100,China.
Contact person(E-mail): huahao@huahao.com
Telephone: +86-25-8614 3598
Fax: +86-25-8614 3476

1.4 Emergency telephone Number:

+86-25-8614 3598 Only available during office hours (9:00a.m.-17:30p.m. Beijing Time Zone)

Available outside office hours? YES NO

Section 2 Hazards Identification

2.1 Classification of the substance or mixture:

2.1.1 Classification:

The mixture is classified as following according to REGULATION (EC) No 1272/2008:

| REGULATION (EC) No 1272/2008 | |
|----------------------------------|------------------|
| Hazard classes/Hazard categories | Hazard statement |
| Skin Irrit. 2 | H315 |
| Skin Sens. 1 | H317 |
| Eye Irrit. 2 | H319 |
| Carc. 1B | H350 |
| Aquatic Chronic 2 | H411 |

For full text of H- phrases: see section 2.2.

2.2 label elements:

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Hazard Pictograms:**Signal Word(S):**

Danger

Hazard Statement:

H315: Causes skin irritation

H317: May cause an allergic skin reaction

H319: Causes serious eye irritation

H350: May cause cancer

H411: Toxic to aquatic life with long lasting effects

Precautionary statement:

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/vapours/spray.

P264: Wash hands thoroughly after handling.

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

P273: Avoid release to the environment.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P302 + P352: IF ON SKIN: Wash with plenty of 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.

P308 + P313: IF exposed or concerned: Get medical advice/attention.

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.

P391: Collect spillage.

P405: Store locked up.

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

2.3 Other hazards:

Not applicable.

Section 3 Composition/information on ingredients**Substance/Mixture:**

Mixture

Ingredient(s):

| Chemical Name | Registration No. | CAS No. | EC No. | Concentration | Classification |
|---------------|------------------|------------|-----------|---------------|------------------------|
| Glass fiber | N/A | 65997-17-3 | 266-046-0 | 75% | H3501B |
| Epoxy resins | N/A | 61788-97-4 | N/A | 25% | H315 H317 H319 H411 |

Section 4 First aid measures**4.1 Description of first aid measures:**

In all cases of doubt, or when symptoms persist, seek medical attention.

4.1.1 In case of inhalation:

Move to fresh air. Oxygen or artificial respiration if needed. Victim to lie down in the recovery position, cover and keep him warm. Call a physician immediately.

4.1.2 In case of skin contact:

Take off contaminated clothing and shoes immediately. Wash off immediately with plenty of water. Keep warm and in a quiet place. Call a physician or poison control center immediately. Wash contaminated clothing before re-use.

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4.1.3 In case of eyes contact:

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. In the case of difficulty of opening the lids, administer an analgesic eye wash (oxybuprocaine). Call a physician or poison control centre immediately. Take victim immediately to hospital.

4.1.4 In case of ingestion:

Call a physician or poison control centre immediately. Take victim immediately to hospital. If swallowed, rinse mouth with water (only if the person is conscious). Do NOT induce vomiting. Artificial respiration and/or oxygen may be necessary.

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

Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May cause cancer.

4.3 Indication of any immediate medical attention and special treatment needed:

If skin irritation or rash occurs, get medical advice/attention.

Section 5 Firefighting measures

5.1 Extinguishing media:

Suitable extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media: Water with full jet.

5.2 Special hazards arising from the substance or mixture

No further relevant information available.

5.3 Advice for firefighters:

In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment. Wear chemical resistant oversuit. Cool containers / tanks with water spray.

Section 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

6.1.1 For non-emergency personnel: Prevent further leakage or spillage if safe to do so. Keep away from Incompatible products.

6.1.2 For emergency responders: Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Ventilate the area. Wear suitable protective clothing.

6.2 Environmental Precautions:

Should not be released into the environment. Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities.

6.3 Methods and material for Containment and Cleaning up:

Sweep up and shovel into suitable containers for disposal. Avoid dust formation. Keep in properly labelled containers. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

Section 7 Handling and storage

7.1 Precautions for safe handling:

7.1.1 Protective measures: Used in closed system When diluting, always add the product to water. Never add water to the product. Use only equipment and materials which are compatible with the product. Keep away from Incompatible products. To avoid thermal decomposition, do not overheat. Preferably transfer by pump or gravity.

7.1.2 Advice on general occupational hygiene: Do not eat, drink and smoke in work areas. Wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas.

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| 7.2 Conditions for safe storage, including any incompatibilities: | Store in original container. Keep in a well-ventilated place. Keep in a dry place. Keep in properly labelled containers. Keep container closed. Avoid dust formation. Keep away from incompatible products. |
| 7.3 Specific end use(s): | Not applicable. |

Section 8 Exposure Controls/Personal Protection

| | |
|---|--|
| 8.1 Control parameters: | |
| 8.1.1 Occupational exposure limits: | Not available. |
| 8.1.2 Additional exposure limits under the conditions of use: | Not available. |
| 8.1.3 DNEL/DMEL and PNEC-Values: | Not available. |
| 8.2 Exposure controls: | |
| 8.2.1 Appropriate engineering controls: | Ensure adequate ventilation. Apply technical measures to comply with the occupational exposure limits. |
| 8.2.2 Individual protection measures, such as personal protective equipment: | |
| Eye/face protection: | Chemical resistant goggles must be worn. |
| Hand protection: | Impervious gloves |
| Body protection: | Wear suitable protective clothing to prevent skin exposure. |
| Respiratory protection: | In the case of dust or aerosol formation use respirator with an approved filter. |
| Thermal hazards: | Wear suitable protective clothing to prevent heat. |
| 8.2.3 Environmental exposure controls: | Avoid discharge into the environment. According to local regulations, Federal and official regulations. |

Section 9 Physical and chemical properties

| | |
|---|--|
| 9.1 Information on basic physical and chemical properties: | |
| Appearance: | Solid |
| Colour: | Black, white, or custom. |
| Odour: | No off-smell |
| Odour threshold: | Not available |
| pH: | Not available |
| Melting point/range (°C): | Not available |
| Boiling point/range (°C): | Not available |
| Flash point (°C): | Not available |
| Evaporation rate: | Not available |
| Flammability limit - lower (%): | Not available |
| Flammability (solid, gas): | Flame retardant, not easy to burn. |
| Ignition temperature (°C): | Not available |
| Upper/lower explosive limits: | Not available |
| Vapour pressure (20°C): | Not available |
| Vapour density: | Not available |
| Density: | 1.8g/cm ³ -2.0g/cm ³ |
| Bulk density (kg/m ³): | Not available |
| Water solubility (g/l): | Not available |
| n-Octanol/Water (log Po/w): | Not available |
| Auto-ignition temperature: | Not available |
| Decomposition temperature: | Not available |

| | |
|-----------------------------|---------------|
| Viscosity, dynamic (mPa.s): | Not available |
| Explosive properties: | Not explosive |
| Oxidising properties: | Not available |

9.2. Other information:

| | |
|---|---------------|
| Fat solubility(solvent-oil to be specified) etc: | Not available |
| Surface tension: | Not available |
| Dissociation constant in water(pKa): | Not available |
| Oxidation-reduction Potential: | Not available |

Section 10 Stability and reactivity

| | |
|--|---|
| 10.1 Reactivity: | The substance is stable under normal storage and handling conditions. |
| 10.2 Chemical stability: | Stable at room temperature in closed containers under normal storage and handling conditions. |
| 10.3 Possibility of hazardous reactions: | No dangerous reactions known. |
| 10.4 Conditions to avoid: | Incompatible materials. |
| 10.5 Incompatible materials: | Strong oxidizing agents. |
| 10.6 Hazardous decomposition products: | Carbon oxides. |

Section 11 Toxicological information

11.1 Information on toxicological effects:

| | |
|------------------------------------|--------------------------------------|
| Acute toxicity: | |
| ATE _{mix} (oral): | None |
| ATE _{mix} (inhalation): | None |
| ATE _{mix} (Dermal): | None |
| LD50(Oral, Rat): | Not available |
| LC50(Inhalation, Rat): | Not available |
| LD50(Dermal, Rabbit): | Not available |
| Skin corrosion/Irritation: | Causes skin irritation. |
| Serious eye damage/irritation: | May cause an allergic skin reaction. |
| Respiratory or skin sensitization: | Causes serious eye irritation. |
| Germ cell mutagenicity: | Not classified |
| Carcinogenicity: | May cause cancer. |
| Reproductive toxicity: | Not classified |
| STOT- single exposure: | Not classified |
| STOT-repeated exposure: | Not classified |
| Aspiration hazard: | Not classified |

Section 12 Ecological information

12.1 Toxicity:

Glass fiber (CAS: 65997-17-3)

Acute (short-term) toxicity:

| | |
|----------------------------------|---------------|
| LC50(96h, Fish): | > 1000 mg/L |
| LC50(48h, Crustacea): | Not available |
| EC50(72h, Algae/aquatic plants): | > 1000 mg/L |

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| Chronic (long-term) toxicity: | |
| NOEC(Fish): | Not available |
| NOEC(Crustacea): | Not available |
| NOEC (Algae/aquatic plants): | >= 1000 mg/L |
| 12.2 Persistence and degradability: | Not available. |
| 12.3 Bioaccumulative potential: | Not available. |
| 12.4 Mobility in soil: | Not available. |
| 12.5 Results of PBT and vPvB assessment: | Not applicable |
| 12.6 Other adverse effects: | Toxic to aquatic life with long lasting effects. |

Section 13 Disposal considerations

| | |
|--------------------------------------|--|
| 13.1 Waste treatment methods: | Dispose of in accordance with all applicable local and national regulations. Use recovery/recycling where feasible, otherwise incineration is the recommended method of disposal. Empty containers may contain hazardous residues. Do not cut, puncture or weld on or near to the container. Labels should not be removed from containers until they have been cleaned. Contaminated containers must not be treated as household waste. Containers should be cleaned by appropriate methods and then re-used or disposed of by landfill or incineration as appropriate. Do not incinerate closed containers. |
|--------------------------------------|--|

Section 14 Transport information

| | Land transport (ADR/RID) | Inland waterways (ADN) | Sea transport (IMDG) | Air transport (ICAO/IATA) |
|---|---|---|---|---|
| UN number | 3077 | 3077 | 3077 | 3077 |
| UN Proper shipping name | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.(Epoxy resins) | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.(Epoxy resins) | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.(Epoxy resins) | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.(Epoxy resins) |
| Transport hazard Class(es) | 9 | 9 | 9 | 9 |
| Packing group | III | III | III | III |
| Environmental hazards | Yes | Yes | Yes | Yes |
| Special precautions for user | See section 2.2 | See section 2.2 | See section 2.2 | See section 2.2 |
| Transport in bulk according to Annex II of Marpol and the IBC Code | IBC08 | IBC08 | IBC08 | IBC08 |

Section 15 Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

| | |
|--|---|
| Relevant information regarding authorization: | Not applicable. |
| Relevant information regarding restriction: | Not applicable. |
| Other EU regulations: | Employment restrictions concerning young person must be observed. For use only by technically qualified individuals. |
| Other National regulations: | Not applicable |

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Section 16 Other information**16.1 Indication of changes:**

Version 1.0 Amended by (EU) 2015/830

16.2 Abbreviations and acronyms:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

RID: Regulation for rail International transportation of Dangerous goods

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

IMDG: Code international maritime dangerous goods code

ICAO: International Civil Aviation Organization

IATA: International Air Transport Association

LC50: median lethal concentration

EC50: The effective concentration of substance that causes 50% of the maximum response.

NOEC: No Observed Effect Concentration

DNEL: derived no-effect level

PNEC: predicted no-effect concentration

16.3 Key literature references and sources for data

ECHA Registered substances data

16.4 Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]

| Classification according to Regulation (EC) No. 1272/2008 | | Classification procedure |
|---|------|--------------------------|
| Skin Irrit. 2 | H315 | Calculation method |
| Skin Sens. 1 | H317 | Calculation method |
| Eye Irrit. 2 | H319 | Calculation method |
| Carc. 1B | H350 | Calculation method |
| Aquatic Chronic 2 | H411 | Calculation method |

16.5 Relevant H-statements (number and full text):

H315: Causes skin irritation

H317: May cause an allergic skin reaction

H319: Causes serious eye irritation

H350: May cause cancer

H411: Toxic to aquatic life with long lasting effects

16.6 Training instructions:

Not applicable.

16.7 Further information:

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product. The information of section 3 and section 9 is provided by: NANJING HUAHAO COMPOSITE CO.,LTD. Other information is from authoritative database and expert assessment(010-128703).

16.8 Notice to reader:

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.

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