

Report No.: I07172007316D-1

SDS Report

Sample Description

Fiberfix

Applicant

ChangZhou GuMei Bandage Co., Ltd

Pony Testing International Group
www.ponytest.com

Report in electronic version is only for client's preview and reference.
For confirmative content, formal test report shall prevail.

Safety Data Sheet (SDS)

according to (EC) NO. 1907/2006 (REACH), Annex II

Fiberfix

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

1.1 Product identifier:

Sample Name: Fiberfix

Trade Name: N/A

Sample Code: N/A

Physical state: Banded solid, odorless.

Color: Black.

1.2 Relevant identified uses and uses advised against:

Relevant identified uses: Be used for patching water pipes, furnitures, tools, etc..

Uses advised against: N/A

Reason why uses advised against: N/A

1.3 Details of the supplier of the safety data sheet:

Supplier: ChangZhou GuMei Bandage Co., Ltd

Street address: No.9, Long Ting Road, WuJin Hi-Tech Industrial Park

Post code: 213177

Telephone number: +86 519-86480860

FAX: +86 519-6480860

E-Mail address: chenghenina@sina.com

National contact: LLOYD FREEDMAN

Oakthrift Corporation Ltd

Unit 9C Chester Road

Borehamwood

Herts WD6 1LT

0208-327-0222

1.4 Emergency Telephone:

In case of an emergency, please contact: +86 519-86480860

Other comments: N/A

Section 2 - Hazards Identification

2.1 Classification of the substance or mixture:

2.1.1 Classification according to Regulation (EC) No 1272/2008 (CLP):

N/A

2.1.2 Classification according to Directive 67/548/EEC: None.

2.1.3 Additional information: UN Classification: N/A

2.2 Label elements: None.

2.3 Other hazards: This product does not meet the criteria for PBT and vPvB according to Regulation (EC) No 1907/2006, Annex XIII.

Section 3 – Composition/Information on Ingredients

General chemical description: This chemical product is a mixture.

Composition, Information on Ingredients:

Chemical Name	CAS No.	Percent (by weight)	EC#	Classification according to 67/548/EEC
Glass fiber	65997-17-3	52%	266-046-0	N/A
Polyurethane	51852-81-4	47%	N/A	N/A
Carbon black	1333-86-4	1%	215-609-9	N/A

Section 4 - First Aid Measures

4.1 Description of first aid measures

General notes: This product should not present a health hazard when used under reasonable conditions. If contact or inhale the dust or fragments occurring in machining may cause eyes, skin and respiratory tract irritation.

Following inhalation: If inhaled, remove to fresh air immediately. If breathing is difficult, give oxygen by trained professionals. If not breathing, give artificial respiration. Inhalation of the dust or

fragments occurring in machining may cause respiratory tract irritation. Get medical aid immediately if feel unwell.

Following skin contact: Repeated or prolonged contact of the dust or fragments occurring in machining may cause skin irritation or sensitization. Get medical aid immediately if redness, irritation or sensitization occur.

Following eye contact: In case of contact, rinse immediately with plenty of water for at least 15-30 minutes, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses if easily possible. DO NOT rubbing eyes with hand. Get medical aid immediately.

Following ingestion: Ingestion of this material is unlikely. If swallowed, induce vomiting under the guidance of medical workers. Get medical aid immediately.

Self-protection of first-aid: Use proper personal protective equipment as indicated in Section 8.

4.2 Most important symptoms and effects, both acute and delayed: See Section 11 for more information.

4.3 Indication of any immediate medical attention and special treatment needed: Treat symptomatically and supportively.

Section 5 - Fire Fighting Measures

5.1 Extinguishing media:

Suitable extinguishing media: In case of fire in the surroundings: use appropriate extinguishing media. Such as powder, water spray, foam, carbon dioxide and dry sand.

Unsuitable extinguishing media: None.

5.2 Special hazards arising from the substance or mixture: May give off irritating or toxic gases or fumes in a fire.

Hazardous combustion products: During a fire, irritating or toxic gases/fumes may be generated by thermal decomposition or combustion.

5.3 Advice for firefighters: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Approach fire from upwind to avoid hazardous vapors and toxic decomposition products. Move containers from fire

area if this can be done without risk. Prevent runoff from fire control dilution from entering streams or drinking water supply.

Section 6 - Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures:

6.1.1 For non-emergency personnel:

Protective equipment: No action should be taken involving any personal risk or without suitable training. Avoid breathing dust or fragments from mechanical processing. Use proper personal protective equipment as indicated in Section 8. Keep adequate ventilation.

Emergency procedures: Evacuate and ventilate spill area. Stop leak if safe to do so. Move containers from spill area. Isolate hazard area. Do not touch or walk through spilled material. Avoid breathing vapor and fume. Remove all sources of ignition or heat. Review Section 5 and Section 7 sections before proceeding with clean-up.

6.1.2 For emergency responders: Avoid breathing vapors, mist or gas. Keep adequate ventilation. Remove all sources of ignition or heat.

6.2 Environmental precautions: Avoid dispersal of spill material and run off and contact with soil, waterways, drains and sewers.

6.3 Methods and material for containment and cleaning up:

6.3.1 For containment: Stop leak if safe to do so. Move containers from spill area.

6.3.2 For cleaning up: Carefully collect remainder, then remove to suitable and closed container for disposal or recycle according to local regulations. If large spills occur, covered with plastic film or tarpaulins. Contaminated floor can be flushed with water to chemical sewer. The materials which are used as cleansing are disposed according to local regulations. Review Section 5 and Section 7 sections before proceeding with clean-up.

6.3.3 Other information: Contaminated floor may be flushed with water into chemical sewer.

6.4 Reference to other sections: Use proper personal protective equipment as indicated in Section 8. And see Section 13 for disposal information.

Section 7 - Handling and storage

7.1 Precautions for safe handling:

Protective measures: Training should be provided to anyone working with or near this material. Training should cover potential health effects and proper handling techniques. Avoid contact with eyes, skin and clothing. Avoid ingestion and inhalation.

Measures to prevent fire: Ensure good local exhaust ventilation. Keep container away from any sources of ignition or heat (e.g. open flames, hot surfaces). The work area should be equipped with the corresponding species and quantity of emergency equipment, spills emergency treatment equipment and appropriate storage material.

Measures to prevent aerosol and dust generation: Ensure good local exhaust ventilation. Handle and open container with care. Minimize dust generation and accumulation.

Measures to protect the environment: Do not allow this products to be released to the environment without proper treatment.

Advice on general occupational hygiene: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.

7.2 Conditions for safe storage, including any incompatibilities:

Technical measures and storage conditions: Store in a cool, dry, well-ventilated area away from incompatible substances (see section 10), feedstuffs, beverages and foods. Keep away from heat, sparks and flame. Treat carefully, avoid physical damage to containers. The storage area should be equipped with the corresponding species and quantity of emergency equipment, spills emergency treatment equipment and appropriate storage material.

Packing materials: N/A

Requirements for storage rooms and vessels: Temperatures in excess may cause resin degradation. Do not allow products or scraps of the products to accumulate and maintain clear aisles with adequate access to all storage areas and exits.

7.3 Specific end use(s):

Recommendations: Be used for patching water pipes, furnitures, tools, etc..

Industrial sector specific solutions: N/A

Section 8 - Exposure Controls, Personal Protection

8.1 Control parameters:

Exposure Limit:

CAS#	ACGIH (mg/m ³)	NIOSH (mg/m ³)	OSHA (mg/m ³)
65997-17-3	N/A	N/A	N/A
51852-81-4	N/A	N/A	N/A
1333-86-4	TLV-TWA 3.5	REL-TWA 3.5 Ca TWA 0.1 mg PAHs/m ³ Carbon black in presence of polycyclic aromatic hydrocarbons (PAHs) IDLH-1750	PEL-TWA 3.5

Information on monitoring procedures: No information found.

8.2 Exposure controls:

8.2.1 Appropriate engineering controls: Ensure adequate ventilation.

Equipped with safety shower and eyes bath. Keep away from heat and fire.

8.2.2 Personal protection equipment:

8.2.2.1 Eye and face protection: No special requirement under normal conditions. Use appropriate safety glasses when there is the risk of contact.

8.2.2.2 Skin protection:

Ø Hand protection: No special requirement under normal use. It is recommended to wear appropriate protective gloves when there is the risk of greater exposure.

Ø Other skin protection: No special requirement under normal use. Wear appropriate protective clothing to prevent skin exposure.

8.2.2.3 Respiratory protection: No special requirement under normal use.

An appropriate respirator or mask should be used whenever workplace conditions warrant a respirator's use. A full face positive pressure supplied-air respirator or a self contained breathing apparatus should be used when leaks.

8.2.2.4 Other protection: Practice good health habits. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Wash hands, forearms and face thoroughly after handling products, before eating, smoking and using the lavatory and at the end of the working period.

8.2.3 Environmental exposure controls: Do not allow this product to be released to the environment without proper treatment.

Section 9 - Physical and Chemical Properties

9.1 Information on basic physical and chemical properties:

Appearance: Black banded solid.

Odor: Odorless.

Odor threshold: N/A

pH: N/A

Melting point/freezing point: N/A

Initial boiling point and boiling range: N/A

Flash Point: N/A

Evaporation rate: N/A

Upper/lower flammability or explosive limits: N/A

Vapour pressure: N/A

Vapour density: N/A

Relative density: N/A

Density: N/A

Solubility in Water: N/A

Partition coefficient: n-octanol/water: N/A

Auto-ignition temperature: N/A

Decomposition temperature: N/A

Viscosity: N/A

Explosive properties: N/A

Oxidising properties: N/A

Flammability (solid, gas): N/A

9.2 Other information: N/A

Section 10 - Stability and Reactivity

- 10.1 Reactivity:** The component materials of the product may react with strong oxidizer, hot concentrated phosphoric, hydrogen fluoride and strong alkali.
- 10.2 Chemical stability:** Stable under normal storage and handling conditions.
- 10.3 Possibility of hazardous reactions:** The components of the product may decompose on heating producing toxic and irritating fumes.
- 10.4 Conditions to avoid:** Incompatible materials, any sources of ignition or heat(e.g. open flames, smoking, hot surfaces, excess heat), dust generation.
- 10.5 Incompatible materials:** Strong oxidizer, hot concentrated phosphoric, hydrogen fluoride and strong alkali.
- 10.6 Hazardous decomposition products:** The components of the product may decompose on heating producing oxides of carbon, hydrocarbons, oxides of nitrogen, etc.

Section 11 - Toxicological Information

11.1 Information on toxicological effects:

Acute toxicity:

CAS#	RTECS#	LC50/LD50
65997-17-3	N/A	LD50: >20mg/kg (intratracheal, mouse)
51852-81-4	N/A	No data available
1333-86-4	FF5800000	LD50: >3g/kg (rabbit, skin) LD50: >15400mg/kg (oral, rat)

Skin irritation/corrosion: No data available.

Respiratory or skin sensitization: No data available.

Germ cell mutagenicity: No data available.

Repeated dose toxicity: No data available.

Carcinogenicity:

Composition: CAS# 1333-86-4

- **ACGIH: A4-Not classifiable as a human carcinogen.**
- **IARC: Group 2B-Possibly carcinogenic to humans.**
- **CA Prop 65: Carcinogen; initial date 21/2/03.**
- **Not listed as a carcinogen by NTP.**

Other compositions in this product are not listed as carcinogens by ACGIH, IARC, NTP, or CA Prop 65.

Reproductive toxicity: No data available.

STOT-single exposure: No data available.

STOT-repeated exposure: No data available.

Aspiration hazard: No data available.

Potential Health Effects:

- Ø **Eye: No harm under normal using or storing conditions. If contacted, may result in eye irritation.**
- Ø **Skin: No harm under normal using or storing conditions. May cause skin irritation.**
- Ø **Ingestion: Ingestion is unlikely under normal using or storing conditions. May be harmful if swallowed.**
- Ø **Inhalation: Inhalation is unlikely under normal using or storing conditions. May be harmful if inhaled. May cause respiratory tract irritation.**

Section 12 - Ecological Information

12.1 Toxicity:

Composition: CAS# 1333-86-4

Toxicity to fish:

- **LC50 - Danio rerio (zebra fish) - >1,000mg/l - 96h**

Toxicity to daphnia and other aquatic invertebrates:

- **EC50 - Daphnia magna (Water flea) - >5,600mg/l - 24h**

Toxicity to algae:

- **EC50 - Desmodesmus subspicatus (green algae) - >10,000mg/l - 72h**

12.2 Persistence and degradability: No data available.

12.3 Bioaccumulative potential: No data available.

12.4 Mobility in soil: No data available.

12.5 Results of PBT and vPvB assessment: No compositions in this product with known CAS numbers are assessed to be a PBT or a vPvB.

12.6 Other adverse effects:

Water Hazard Classes (WGK): No data available.

12.7 Additional information: Do not allow undiluted product or large quantities of it reach ground water, water course or sewage system. Do not allow this product to be released to the environment without proper treatment.

Section 13 - Disposal Considerations

13.1 Waste treatment methods

13.1.1 Product/Packaging disposal: Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Disposal should be in accordance with applicable regional, national and local laws and regulations. Contaminated packaging material should be treated equivalent to residual chemical.

13.1.2 Waste treatment-relevant information: The generation of waste should be avoided or minimized wherever possible. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor.

13.1.3 Sewage disposal-relevant information: Avoid dispersal of spilled material and run off and contact with soil, waterways, drains and sewers.

13.1.4 Other disposal recommendations: Refer to Section 7 - Handling and Storage and Section 8 - Exposure Controls/Personal Protection for additional handling information and protection of employees.

Section 14 - Transport Information

Not regulated as a hazardous material for transportation. (Current version: IATA DGR 55th; IMDG CODE 36-12 edition; AND; ADR; RID)

14.1 UN number: N/A

14.2 UN proper shipping name: N/A

14.3 Transport hazard class: N/A

14.4 Packaging group: N/A

14.5 Environmental hazards: Marine pollutant (Y/N): No.

14.6 Special precautions for user: Away from high temperature and open fire

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: N/A

14.8 UN Packaging Sign: N/A

14.9 Transport Fashion: By air and by sea.

14.10 Packaging information: N/A

Section 15 - Regulatory Information

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

Regulatory information: Reference to the local, national, US, EU, CA and international regulations.

CAS No.	TSCA	IECSC	EINECS/ ELINCS/NLP	DSL/NDSL
65997-17-3	Listed	Listed	Listed	Listed in DSL
51852-81-4	Unlisted	Listed	Unlisted	Listed in NDSL
1333-86-4	Listed	Listed	Listed	Listed in DSL

15.2 Chemical safety assessment: No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

Section 16 - Additional Information

Issue Time: 2014-10-30

Issue Department: Technical department

Data review unit: /

Modification record: The original report which report No. is I07172007316D be replaced by this report, and it will be canceled immediately and doesn't have any legal validity. Please compliance with this report. October 30, 2014

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its

subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Other Information:

ACGIH: (American Conference of Governmental Industrial Hygienists); CAS: (Chemical Abstracts Service); DSL: (the Domestic Substances List of Canada); EC: (European Commission); BCF: (Bioconcentration Factor); BOD: (Biochemical oxygen demand); EC50: (Median effective concentration); IARC: (International Agency for Research on Cancer); IATA: (International Air Transport Association); ENCS(MITI No.): (Existing and New Chemical Substances of Japan); IECSC: (Inventory of Existing Chemical Substances in China); IMDG: (International Maritime Dangerous Goods); LC50: (Lethal concentration, 50 percent kill); LD50: (Lethal dose, 50 percent kill); NDSL: (the Non-domestic Substances List of Canada); NIOSH: (US National Institute for Occupational Safety and Health); NOEC: (No observed effect concentration); NTP: (US National Toxicology Program); OSHA: (US Occupational Safety and Health); PC-STEL: (Permissible concentration-time weighted average); PC-TWA: (Permissible concentration-short time exposure limit); PEL: (Permissible Exposure Level); REL: (Recommended Exposure Limit); RTECS: (Registry of Toxic Effects of Chemical Substances); STEL: (Short Term Exposure Limit); TDG: (Recommendations on the TRANSPORT OF DANGEROUS GOODS Model Regulations); TOC: (Total Organic Carbon); TSCA: (Toxic Substances Control Act of USA); TWA: (Time Weighted Average); TLV: (Threshold Limit Value)