Material Safety Data Sheet

Section 1: PRODUCT AND COMPANY IDENTIFICATION

Manufacturer: EAS FIBERGLASS CO., LTD
No.635, Canghai road, Jiangdong District
Ningbo-315000

Emergency Telephone Number: +86 574 81178830-875

Information Telephone Number: +86 574 81178830-810

Product Identification: Ceramic fiber textile, woven fabrics, tapes, ropes

Chemical Family: Alumino-silicate fiber

Section 2: COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS Number</th>
<th>% BY OSHA(PEL) Weight</th>
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<tbody>
<tr>
<td>Alumino-silicate ceramic fiber,</td>
<td>142844-00-6</td>
<td>85</td>
</tr>
<tr>
<td>Fiberglass or wire, viscose or polyester</td>
<td>N/D</td>
<td>15</td>
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Section 3: HAZARDS IDENTIFICATION

Route(s) of Entry: Respiratory Tract (nose & throat), Eyes, Skin

Acute and Chronic Health Hazards:
No increased incidence of respiratory disease in studies on occupationally exposed workers.
In animal studies, long-term laboratory exposure to doses hundreds of times higher than normal occupational exposures has produced fibrosis, lung cancer, and mesothelioma in rats or hamsters. The fibers used in those studies were specially sized to maximize rodent respirability.

Other Possible Effects:
Inhalation: If inhaled in sufficient amount, it may cause irritation to respiratory tract, scratchiness of the nose or throat, cough or chest discomfort.
Eye Irritation: May cause eye irritation by contact. Prolonged contact may cause damage to the outer surface of the eye.
Skin Irritation: May cause skin irritation by contact, may also result in inflammation, rash or itching.
Gastrointestinal Irritation: Unlikely route of entry.
Medical Conditions Aggravated by Exposure: Asthma, dermatitis, allergies, or chronic lung disease may be aggravated by exposure.
Section 4: FIRST AID MEASURES

RESPIRATORY TRACT IRRITATION:
Move the person to a dust free location. Get medical attention if the irritation continues.

EYE IRRITATION:
Flush with large amounts of water. Eyelids should be held away from the eyeball to ensure thorough rinsing. Do not rub eyes. Get medical attention if irritation persists.

SKIN IRRITATION:
For skin irritation, remove soiled clothing. Do not rub or scratch exposed skin. Wash area of contact thoroughly with soap and water. Using a skin cream or lotion after washing may be helpful.

GASTROINTESTINAL IRRITATION:
Unlikely to happen. However, if gastrointestinal tract irritation develops, move the person to a dust free environment.

NOTES TO PHYSICIANS:
Skin and respiratory effects are the result of temporary, mild mechanical irritation; fiber exposure does not result in allergic manifestations.

Section 5: FIRE FIGHTING MEASURES

NFPA Unusual Hazards: None
Flammable Properties: None
Flash Point: None
Hazardous Decomposition Products: None
Unusual Fire and Explosion Hazard: None
Extinguishing Media: Use extinguishing media suitable for type of surrounding fire.

Section 6: ACCIDENTAL RELEASE MEASURES

Spill procedures
Avoid creating airborne dust. Dust suppressing cleaning methods such as wet sweeping or vacuuming should be used to clean the work area. If vacuuming, the vacuum must be equipped with a HEPA filter. Compressed air or dry sweeping should not be used for cleaning.

Section 7: HANDLING AND STORAGE

STORAGE
Store in original container in a dry area. Keep container closed when not in use.

HANDLING
Handle ceramic fiber carefully. Limit use of power tools unless in conjunction with local exhaust. Use hand tools whenever possible. Frequently clean the work area with HEPA filtered vacuum or wet sweeping to minimize the accumulation of debris. Do not use compressed air for clean-up.

EMPTY CONTAINERS
Product packaging may contain residue. Do not reuse.
Section 8: EXPOSURE CONTROL/PERSONAL PROTECTION

Exposure Limits:

OSHA PEL: N/D
Manufacturer/Supplier Suggested Limit: 0.5 f/cc, 8-hr. TWA

Mechanical Controls:
local exhaust ventilation, dust collection, and other equipment designed to minimize airborne fiber emissions

Personal Respiratory Protection Equipments:
When exposure is under 0.5 f/cc, respiratory protection equipment is optional. When exposure is above 0.5f/cc limit, half-facepiece, or full-facepiece air purifying respirator equipped with a NIOSH certified P100 particulate filter cartridge or PAPR with tight-fitting full facepiece is recommended depending on the exposure level.

Skin Protection:
Wear gloves, head coverings and washable or disposable full body clothing as necessary to prevent skin irritation. clothing may be used. Wash work clothing separately. Minimize or avoid non-work dust.

Eye Protection:
Wear safety glasses with side shields or other forms of eye protection in compliance with appropriate OSHA standards. Do not touch eyes with soiled body parts or materials.

For more information, please contact manufacturer/supplier.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

ODOR AND APPEARANCE: White, odorless, fibrous material
CHEMICAL FAMILY: Vitreous Alumino-silicate Fibers
BOILING POINT: N/A
WATER SOLUBILITY (%): Not Soluble in Water
MELTING POINT: 1760°C (3200°F)
SPECIFIC GRAVITY: 2.50 – 2.75
VAPOR PRESSURE: N/A
pH: N/A
VAPOR DENSITY (Air = 1): N/A
% VOLATILE: N/A
MOLECULAR FORMULA: N/D

Section 10: STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable under conditions of normal use.
INCOMPATIBILITY: Soluble in hydrofluoric acid, phosphoric acid, and concentrated alkali.
CONDITIONS TO AVOID: None.
HAZARDOUS DECOMPOSITION PRODUCTS: None.
HAZARDOUS POLYMERIZATION: N/A

Section 11: ECOLOGICAL INFORMATION

No ecological data has been determined

Section 12: DISPOSAL CONSIDERATIONS

**Waste Disposal Methods:** Material for disposal should be placed in appropriate sealed containers to avoid potential human and environmental exposure. It is the responsibility of the generator to comply with all federal, state, provincial and local laws and regulations. We recommend that you contact an appropriate waste disposal contractor and environmental agency for relevant laws and regulations. Under the US, Resource Conservation and Recovery Act (RCRA), it is the responsibility of the user of the product to determine at the time of disposal, whether the product meets relevant waste classification and to assure proper disposal.

Section 13: TRANSPORT INFORMATION

**DOT:**
- Proper Shipping Name: Not regulated
- Hazard Class: Not regulated
- Identification Number: Not regulated
- Packing Group: Not regulated
- Label Required: None
Explanation And Disclaimer: Wherever such words or phrases as “hazardous,” “toxic,” “carcinogen,” etc. appear herein, they are used as defined or described under state employee right-to-know laws, Federal OSHA laws or the direct sources for these laws such as the International Agency for Research on Cancer (IARC), the National Toxicology Program (NTP), etc. The use of such words or phrases should not be taken to mean that we deem or imply any substance or exposure to be toxic, hazardous or otherwise harmful. Any exposure can only be understood within the entire context of its occurrence, which includes such factors as the substance’s characteristics as defined in the MSDS, amount and duration of exposures, other chemicals present and preexisting individual differences in response to the exposure.

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