



SHANGHAI E-TANG TRADING CO.,LTD.

ROOM 401, BUILDING #57, NO.2999, CAOBAO ROAD, SHANGHAI, CHINA

Tel: 0086-21-34520355/0086-15921292120 Fax: 0086-21-34520355

Material Safety Data Sheet

Section I -Identification of the product and of the company

C-glass cloth impregnated with graphite GPH-C3784

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Section II -Composition/Information on Ingredients

Hazardous Ingredients	Weight %	OSHA-PEL	ACGIH-TLV	Other
Fiberglass, continuous filament	≥89.5	*	10mg/m ³	3X10 fibers/m ³
			8-hr TWA	10-hr TWA(NIOSH)

Non-hazardous Ingredients

Sizing	≤3.5	—————None Established—————
Graphite	≤7	—————None Established—————

*OSHA has not established a specific PEL for fibrous glass. It is considered to be a "particulate not otherwise regulated"(PNOR) and is covered under the OSHA nuisance dust PEL's of 5 mg/m³ for the respirable dust fraction and 15 mg/m³ for the total dust fraction for an 8-hr TWA(Time Weighted Average).

Section III-Hazardous Identification

Primary Routes of Exposure Inhalation and skin contact

Health Hazards (acute & chronic effects and symptoms of overexposure)

Acute

Inhalation-Inhalation of dusts and fibers may result in irritation of the upper respiratory tract (mouth, nose and throat.)

Skin Contact-Skin contact with fibers and dust may produce temporary mechanical irritations.

Ingestion- Temporary mechanical irritations of the digestive tract. Observe individual. If symptoms develop, consult a physician.

Chronic

See carcinogenicity section below. There is no known health effects associated with chronic exposure to this product.





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Carcinogenicity

Hazardous Ingredients	ACGIH	IARC	NTP	OSHA
Fiberglass continuous filament	No	No	No	No

*IARC-In June 1987 the International Agency for research on Cancer(IARC)categorized fibrous continuous filaments as not classifiable with respect to human carcinogenicity(Group 3). The evidence from human as well as animal studies was evaluated by IARC as insufficient to classify fiberglass continuous filaments as a possible, probable, or confirmed cancer causing material.

Medical Conditions Aggravated by Exposure Persons with a history of chronic respiratory or skin conditions that are aggravated by mechanical irritants may be at increased risk for worsening their condition from exposure during use of this product.

Section IV-First Aid Measures

Inhalation Move individual to fresh air. Seek medical attention if irritation persists.

Skin Contact Wash with mild soap and running water. Use a washcloth to help remove fibers. To avoid further irritation, do not rub or scratch irritated areas. Rubbing or scratching may force fibers into the skin. Seek medical attention if irritation persists.

Eye Contact Flush eyes with flowing water for at least 15 minutes. Seek medical attention if irritation persists.

Ingestion N/A

Section V-Fire Aid Measures

Flash Point (° F) N/A

Auto Ignition Temperature(° F) N/A

Flammability Limits (%) LEL: N/A UEL: N/A

Extinguishing Media Water, foam, carbon dioxide, dry chemical

Special Fire Fighting Instructions In sustained fire, self-contained breathing apparatus should be worn.

Unusual Fire and Explosion Hazards None known

Section VI-Accidental Release Measures

Action To Take For Spills For sold product no applicable. For dusts and fibers generated during fabrication, vacuum up and containerize.





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Section VII-Handling, Storage and Disposal

Ventilation General dilution ventilation and /or local exhaust ventilation should be provided, as necessary, to maintain exposures below PEL'S or TLV'S. ADEQUATE VENTILATION MUS BE PROVIDED AT ELEVATED TEMPERATURE.

Respiratory Protection A properly fitted NIOSH/MHSA approved dust respirator such as 3M model 8710 or model 9900(In high humidity environment)or equivalent should be used when: high dust levels are encountered; the level of glass fibers in the air exceeds the OSHA permissible exposure limits; or if irritation occurs. Use respiratory protection in accordance with your company's respiratory protection program and OSHA regulations under 29 CFR 1910.134.

Eye Protection Safety glasses, goggles or face shields should be worn whenever fiberglass materials are handled.

Work/Hygienic Practices Handle in accordance with good industrial hygiene and safety practices.

- Avoid unnecessary exposure to dusts and fibers.
- Remove fibers from skin after exposure.
- Be careful not to bur or scratch irritated areas. Rubbing or scratching may force the fibers into the skin. The fibers should be washed off. Use of barrier creams can, in some instances, be helpful.
- Use vacuum equipment to remove fibers and dusts from clothing. COMPRESSED AIR SHOULD NEVER BE USED. Always wash work cloths separately and wipe out the washer/sink in order to prevent loose glass fibers from getting in other clothing.
- Keep work area clean of any dust and fibers. Avoid sweeping or using compressed air as these techniques re-suspend dusts and fibers into air.
- Have access to safety showers and eye wash fountains.
- For professional use only. KEEP OUT OF CHILDRED'S REACH

Section VIII-Physical and Chemical Properties

Melting Point(Softening)	800°	Boiling Point°C	N/A
Specific Gravity (Bare Glass)	2.59	Percent Volatile	N/A
Vapor Pressure (mm/Hg)	N/A	Vapor Density (Air=1)	N/A
Evaporative Rate (Ethy1 Ether=1)	N/A	Solubility in Water	Not Soluble
Appearance and Odor	White/Off-white/tan colored solid with no odor		
PH	N/A		



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Section IX-Stability and Reactivity

Stability (Conditions to Avoid) Product is stable

Incompatibility (Materials to Avoid) None known

Hazardous Decomposition Products Sizing or binders may decompose in a fire. Primary decomposition products include carbon monoxide, carbon dioxide, other hydrocarbons and water.

Hazardous Polymerization Will not occur.

To the best of our knowledge, the information contained herein is accurate. The information provided is based upon data furnish by E-TANG. Assume liability whatsoever for the accuracy or completeness of the information contained herein. While believed to be reliable, the information of products is intended for use by skilled persons at their own risk. 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 those are the only hazards that exist.

