

# MATERIAL SAFETY DATA SHEET

May be used to comply with Occupational Safety and Health Administration  
OSHA's Hazard Communication Standard, (Non-Mandatory Form)

## Section I

Manufacturer's Name Shandong Safety Industries Co., Ltd. Beitianmen Street, High-Tech. Area, Taian, China	Emergency Telephone Number 86-538-8989718
Chemical Name Reinforced Composite Fiberglass Reinforcement	Telephone Number for Information 86-538-8989716
Synonyms Fiberglass Rebar, Vinylester Rebar, FRP Rebar	

## Section II - Hazard Ingredients/Identity Information

Composition Information on Ingredients

Chemical Name	CAS Number	% Range	OSHA PEL
Vinylester Based Resin	NA	25%	NA
Fiber Glass	NA	75%	NA

## Section III - Physical/Chemical Characteristics

Appearance and Odor Black/White/Yellow/Red Solid	Solubility in Water Insoluble
Specific Gravity (H <sub>2</sub> O = 1) 2.0	Evaporation Rate (Butyl Acetate = 1) NA
Boiling Point NA Vapor Density (AIR = 1) NA	Chemical Formula: NA
Vapor Pressure (mm Hg.) NA	Melting Point 800°C /1472°F

## Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used) NA	Flammable Limits NA UEL NA
Extinguishing Media: Carbon Dioxide Dry Chemical (small fires) Foam and Water Fog (large fires)	Special Fire Fighting Procedures: Burning rod will create an acrid heavy black smoke and odor that is extremely offensive. Fire fighters must wear self contained breathing apparatus (SCBA). Others must seek fresh air immediately.

## Section V - Reactivity Data

Conditions to Avoid: Exposure to Open Flames.	Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, organic acid lmw hydrocarbons
Stability Stable	Hazardous Polymerization Will not occur.
Incompatibility ( <i>Materials to Avoid</i> ) None known.	

## Section VI - Health Hazard Data

### - ROUTE OF EXPOSURE

#### INHALATION

Fiberglass dust can cause respiratory irritation and pulmonary edema.

#### SKIN

Fiberglass dust can cause rash, itching, conjunctivitis, coughing and sneezing.

#### INGESTION

Ingestion of fiberglass rod or fiberglass dust is unlikely.

#### EYE

Prolonged or repeated exposure to fiberglass dust can cause pain and irritation of eyes.

### - EMERGENCY AND FIRST AID PROCEDURES

#### INHALATION

Move victim to fresh air. If breathing has stopped, administer CPR. Call a physician.

#### SKIN

Wash effected area with soap and water. Wash contaminated clothing before reuse. Long pants and good personal hygiene will maximize comfort.

#### INGESTION

Call a physician or poison control center immediately. If professional advice is not available DO NOT induce vomiting or give anything by mouth to an unconscious person.

#### EYE

Flush eyes with water and seek immediate medical attention.

## Section VII - Precautions for Safe Handling and Use

### PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

No special precautions needed.

### WASTE DISPOSAL METHOD

Dispose of as solid waste in accordance with local, state and federal regulations.

Not considered a hazardous waste under federal RCRA regulations.

### STORAGE

No special storage considerations needed.

## **Section VIII - Control Measures**

### **RESPIRATORY PROTECTION:**

None normally required. If airborne dust concentrations exceed permissible exposure levels, use protection for nuisance dust.

### **VENTILATION**

Use local exhaust if necessary to prevent nuisance dust.

### **EYE AND FACE PROTECTION**

Wear safety glasses with side shields.

### **SKIN PROTECTION/PROTECTIVE GLOVES**

Wear protective gloves to reduce irritation from dust or slivers.