

PERFORMANCE

ULTRA CLEAR FLOAT GLASS

MATERIAL SAFETY DATA SHEET

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Material Safety Data Sheet

COMPOSITION/INFORMATION ON INGREDIENTS

Main Composition	Mixtures (Oxide wt%)		
	SiO ₂ :71~73%	Al ₂ O ₃ :0.3~0.6%	Fe ₂ O ₃ ≤130ppm
	CaO:8~10%	MgO:2~4%	Na ₂ O+K ₂ O≤14.5%
CAS No.	NA		

HAZARDOUS SUMMARIZING

Emergency Overview	Float glass products are not significant hazardous
Primary Route(s) of Exposure	Skin、 inhalation the glass powder
Potential Health Effects	The glass cullet is sharp and small, may lacerate kin or inhalation
Environment Damage	NA
Burning or Exploding damage	NA

FIRST-AID MEASURES

Skin	Once the skin lacerated by glass cullet, bathe that wound before binding it up.
Eye	Flush eyes with running water for at least 10 minutes. Seek medical attention if irritation persists.
Ingestion	NA
Inhalation	NA

FIRE-FIGHTING MEASURES

Dangerous Characteristic	In case of fire, Float glass is not inflammable, is incombustible and don't support combustion.
Hazardous Combustion Products	NA
Extinguishing Media	NA
Fire Fighting Instructions	NA

ACCIDENTAL RELEASE MEASURES

Release Treatment	NA
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HANDLING AND STORAGE

Handling	The operator must be trained and adhere to the operating schedule. Wearing safe cap, canvas protective arm, plastic canvas glove, protective glasses, shoes. The edge and corner of glass cannot be pressed.(May cause defect) .
Storage	Glass should be stored in dry and ventilative storage. The humidity is not over 60%. The storage should have ventilation and fire control setting. Defending mildew paper and powder as a separator of the glass to avoid scratches.

EXPOSURE CONTROLS/PERSONAL PROTECTION

Chinese MAC	NA
Testing Method	NA
Technical Controlling	When producing glass plate, the product line should use dustproof system.
Respiratory Protection	During occasional operations releasing high quantities dust, wear suitable face protection such as respirator made be cotton yarn
Eye Protection	Avoid contact with eyes. Wear safety glasses or goggles.
Skin and Body Protection	Loose fitting long sleeved shirt that covers to the base of the neck, long pants and gloves. Skin irritation is known to occur chiefly at pressure points such as around neck, wrist, and waist and between fingers.
Hand Protection	When conveying and cutting glass plate, ware cotton gloves with rubber and sailcloth cuff.

PHYSICAL AND CHEMICAL PROPERTIES

Appearance	No color, transparent non crystalline, crispy. After tempering, the strength focus on the glass, the strength increase 5-6 times compared with no tempered
pH	NA
Softening Point	About 720°C
Boiling Point	NA
Relative Density (water=1)	2.5
N-octanol/Water Partition Coefficient	NA
Upper flammability or explosive limits	NA
Lower Flammability or explosive limits	NA
Solubility(ies)	NA
Main Purpose	Mainly on front glass for solar cell、 architectural decoration etc.

STABILITY AND ACTIVITY

Stability	Stable
Incompatibility	Strong inorganic alkali such as KOH、NaOH and HF may corrosion glass. The chemical reaction formula is: $2\text{NaOH} + \text{SiO}_2 \rightarrow \text{Na}_2\text{SiO}_3 + \text{H}_2\text{O}$ $4\text{HF} + \text{SiO}_2 \rightarrow \text{SiF}_4\uparrow + 2\text{H}_2\text{O}$
Conditions to Avoid]	In high temperature and high humidity environment (Temp: 50°C, Humidity: 85%), the glass will be weathering.
Hazardous Polymerization	Will not occur.
Hazardous Decomposition	Will not occur.

TOXICOLOGICAL INFORMATION

Acute toxicity	LD50: NA
Sensitization	NA

ECOLOGICAL INFORMATION

Ecological Information	No data are available on the adverse effects of this material on the environment. The manufacture will fulfill all requests for any ecological data that is available on the various components of this product
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DISPOSAL CONSIDERATIONS

Disposal	Dispose of safety in accordance with applicable laws and regulations, or contract with manufactory to recycle.
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TRANSPORT INFORMATION

UN Number	NA
Packing Group	NA
Packing Description	Frangibility
Packing Method	Glass plate separated by powder or paper, then airproof with PE film or Composite aluminum foil. Steel packaging or Wooden packing.
Delivery Caution]	When glass is being delivered, the truck cannot stop suddenly; slow down during turning to avoid the defect of the glass. There should have buffer materials between glass and other stuff.

REGULATORY INFORMATION

Regulatory information	NA
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