

Orlando, FL 32826 1-800-472-3486 phone: 407-382-4003 fax: 407-382-4007

www.lightpath.com



Material Safety Data Sheet

1. Chemical Product and Company Identification

Glass type: ECO-550

Glass manufacturer: HIKARI

2. Ingredients Data

CHEMICAL NAME	PERCENT BY WGT.	OSHA	ACGIH
P2O5	40-50	(PEL)	(TLV)
R ₂ O	0-10 R=Na, K		
R'O	10-20 R'=Ca, Ba		
ZnO	15-25		
Sb ₂ O ₃	10-20		

3. Physical Data

Boiling Point:

Vapor Pressure:

Vapor Density:

Solubility in Water:

Specific Gravity:

Melting Point (At):

Not applicable

Not applicable

3.32 g/cc

deg c

Physical state: Transparent solid
Appearance and Odor: Clear solid, odorless

4. Fire and Explosion Hazard Data

Flash Point: Not applicable Auto Ignition Temperature: Not applicable

Flammable Limits/% Volume in air: Not applicable

Extinguishing media: Not combustible Special Fire and Explosion Hazards: None

Appearance and Odor: Clear solid, odorless

5. Health Hazard Data

Route(s) of Entry Effects of overexposure Inhalation: (dust particles) Accute: respiratory irritant

Chronic: possible pneumoconiosis effects

Ingestion: (dust particles) Accute: irritation of G.I. Tract

Chronic: nausea and vomiting

Skin: (dust particles) May cause itching; with repeated exposure

Eye: (dust particles) May cause eye irritation



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First Aid: Inhalation: Remove to fresh air.

Ingestion: Seek medical attention Skin: Wash with soap and water Eye: Flush well with clear water

6. Spill, Leak, and Disposal

Spill or Leak Procedures: No special precautions. Avoid generating dust. Waste Disposal: Follow all federal, state, and local regulations.

7. Special Protection Information

Engineering Controls: Avoid production of dust particles, ventilate work spaces well.

Personal Protective Equipment: Wear appropriate respirator if dust levels exceed OSHA limits. Wear safety

glasses and gloves.

8. Special Precaution and Comments

Reactivity: Glass is very stable material but may react to hot strong acids or alkaline solutions. May emit metal oxide fumes when heated to high temperatures.

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