

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name	NEW SUPERSTONE
Synonym(s)	Mixture of alumina fiber and epoxy resin
Supplier	Gesswein 201 Hancock Avenue Bridgeport, CT 06605 203-366-5400
Emergency	1-800-255-3924 (CHEMTEL)

2. HAZARDS IDENTIFICATION

Emergency overview

Colored solid board. Not hazardous, but solid may cause irritation or scratch the skin.

Potential Health Effects: See Section 11 for more information

Likely Routes of Exposure: eye contact, skin contact, inhalation

Eye contact	Solid may cause irritation or scratch the surface of the eye.
Skin contact	Rubbing may cause irritation similar to sand or dust.
Inhalation	Harmful if inhaled the thermal decomposition gases.
Ingestion	May be harmful if ingested in large amounts.
Chronic/Carcinogenicity	Not listed by IARC, NTP, OSHA or ACGIH as a carcinogen.

3. COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENT	CAS No.	% w/w
Aluminum oxide	1344-28-1	68-73
Silicon dioxide	7631-86-9	12-13
Reaction mixture of epoxy resin, bis-phenol and epichlorohydrin	25068-38-6	12-18
Others (other epoxy resin, hardener, pigment)	-	Rest

(See section 8 for exposure guidelines.)

4. FIRST AID MEASURES

First aid procedures

Inhalation	Remove to fresh air. Keep the inhaled person rest. If not breathing, give artificial respiration.
Eye contact	In case of eye irritation, hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Remove contact lenses if easily. Get medical attention.
Skin contact	Remove contaminated clothing and shoes. If skin irritation does occur, wash thoroughly with soap and water. Seek medical attention if the irritation persists.
Ingestion	Rinse mouth immediately with plenty of water and get medical attention.

5. FIRE FIGHTING MEASURES

Flammable property	Not available.
Extinguishing media	
Suitable extinguishing media	Use carbon dioxide, water, foam, powder or dry sand for small fires. For large fires, use chemical foam or flood with fine water spray.
Protection of firefighters	Evacuate area and fight fire from safe distance. Keep unnecessary and unprotected personnel from entering and stay upwind. Wear self-contained breathing apparatus and full protective equipment. Avoid inhalation of material or combustion by-products. Move container from fire area if it can be done without risk. If impossible to remove, cool container with water spray.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Use personal protection recommended in Section 8.
Environmental precautions	There is no information about this material. If the cut pieces are produced, do not wash into drains or other waterways.
Method for containment and clean-up	If the cut pieces are produced, vacuum or sweep up in appropriate container.

7. HANDLING AND STORAGE

Handling	Wear appropriate personal protection. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Wash face and hands thoroughly after handling. Use with adequate ventilation. Keep away from all ignition sources.
Storage	Store in a cool, well-ventilated place. Keep away from heat, sparks, flames and other sources of ignition. Do not store in direct sunlight.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure guidelines	Exposure limit has not established for product as whole, except one of the component [Aluminum oxide]. ACGIH: [Aluminum oxide] 10mg/m ³
Personal protective equipments	
Eye / face	Wear safety goggles.
Skin	Wear protective gloves.
Respiratory	Wear a protective mask.
General hygiene considerations	Wear protective clothing as appropriate.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Colored solid board.
Odor	None
Flash point	Not available.
Melting point	Not available.
Solubility in water	Insoluble.
Specific gravity	2.6-2.7
Other	Change color at >120°C, resin deteriorates at >150°C

10. STABILITY AND REACTIVITY

Stability	Stable under normal recommended storage and handling conditions. (See Section 7)
Conditions to avoid	Direct sunlight, source of heat, open flames, sparks, high temperature and other sources of ignition.
Incompatibility	No information available
Hazardous decomposition products	Thermal decomposition will produce CO
.Hazardous polymerization	Will not occur.

11. TOXICOLOGICAL INFORMATION

There is no information about this substance, but some of the components have the data as follows.

Acute oral effects	[Aluminum oxide] LD ₅₀ >5000 mg/kg (rats)
Skin effects	[Aluminum oxide] Not irritant. (rabbits) Not a skin-sensitizer. (guinea pigs, Buehler test)
Mutagenicity	[Aluminum oxide] Ames test: Negative

12. ECOLOGICAL INFORMATION

No information available.

13. DISPOSAL CONSIDERATIONS

Burn with combustible solvent in an adequate incinerator in accordance with all applicable regulations or consult an expert. Ensure disposal in compliance with government requirements and ensure conformity to local disposal regulations.

14. TRANSPORT INFORMATION (not meant to be all-inclusive)

DOT Hazard Class	No classification assigned.
Proper Shipping Name	Resin board
Hazard Class	Not classified
UN Number	None
Packing group	None
IMO Hazardous Material	Not regulated.
IATA Dangerous Goods	Not regulated.
RID/ADR Dangerous Goods	Not regulated

15. REGULATORY INFORMATION (not meant to be all-inclusive)

TSCA Inventory Not listed.

This product is followed by the competent regulations in an applicable country or region.

16. OTHER INFORMATION

This information only concerns the above-mentioned product and does not need to be valid if used with other(s) or in any process. The information is to our best present knowledge correct and complete and is given in good faith but without warranty. It remains the user's own responsibility to make sure that the information is appropriate and complete for his special use of this product.

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