

PLIOLITE® S6H-US

MSDS No : PSRS6HUS Issue No : 3.01

Page : 1

1. Identification of the substance and company

Trade name	PLIOLITE S6H US
Chemical name	Styrene/Butadiene copolymer.
CAS number	9003-55-8
Type of product and use	* Reinforcing resin.
Company identification	ELIOKEM, Inc 1452 East Archwood Avenue Suite 240 Akron, Ohio, 44306-3296 U.S.A.
Emergency phone nr	
- Company	+ 1.866.354.6536
- Chemical Transportation Emergency	CHEMTREC United States: + 1.800.424.9300 CHEMTREC International: + 1.703.527.3887

2. Information on ingredients

Chemical family	Polymer
Occupational Exposure Limits (ACGIH 2003)	
8 Hour TWA (mg/m3)	1,3-Butadiene, 4.4. Styrene, 85.

3. Hazards identification

Emergency Overview	If ignited by excessive heat or open flame, this product will burn. Powder or dust may form explosive concentrations when mixed in sufficient quantities in air.
Appearance	Granules.
Physical state at 25°C	Solid.
Colour	White.
Odour	None.
Potential Health Effects	
Primary Routes of Entry	Dermal contact -Inhalation
Short Term Exposure	Dust may irritate the eye, skin and upper respiratory system.
Long Term Exposure	None known.

4. First aid measures

First aid	
Inhalation	* No specific procedures are expected to be required.
Skin contact	Wash skin thoroughly with mild soap/water.
Eye contact	Irrigate with plenty of water. Particulates should be removed from the eye by trained medical personnel only.
Ingestion	* No specific procedures are expected to be required.

MARKETED BY
**HARWICK STANDARD
DISTRIBUTION CORPORATION**
60 S. Seiberling Street • Akron, Ohio 44305

Emergency Phone No : + 1.866.354.6536

PLIOLITE® S6H-US

MSDS No : PSRS6HUS Issue No : 3.01

Page : 2

5. Fire - fighting measures

Flash point (°C)	Not applicable.
Explosion limits	
- Lower (%)	Not applicable.
- Upper (%)	Not applicable.
Extinguishing media	Carbon dioxide, dry chemicals, foam, water spray (fog).
Special exposure hazards	Burning material may emit noxious fumes.
Special intervention methods	Self contained breathing apparatus.
NFPA rating	Health: 1; Fire: 1; Reactivity: 0; Specific:
Hazard rating	0=Insignificant; 1=Slight; 2=Moderate; 3=High; 4=Extreme

6. Accidental release measures

After spillage / leakage	Under dusty conditions, static electricity may cause an explosion. Dissipate static electricity. Remove all ignition sources. Avoid generating dust. Ventilate area. Sweep or shovel spills into appropriate container for disposal.
--------------------------	--

7. Handling and storage

General	Good housekeeping must be practiced during storage, transfer, handling, and use of this material to avoid excessive dust accumulation in the form of deposit.
Storage	Excessive dust in the air, with an ignition source, may cause explosion. Store in dry, well-ventilated area. Keep away from heat and sources of ignition.
Handling	Avoid generating dust. Take precautionary measures against static discharge during blending and transfer operations. All transfer and storage equipment should be metallised and earthed. Use non sparking tools.

8. Exposure controls / personal protection

Industrial hygiene	Use adequate ventilation to keep vapour concentrations below applicable standard.
Residual monomers	Trace amounts of monomers may be released during use of this material.
Personal protection	Use safety glasses. Use Neoprene or rubber gloves. Approved dust respirator.
Ventilation protection	When this material is heated, provide enough fresh air and/or exhaust to remove the hot processing fumes from the work area. Observe the Occupational Exposure Limit of 3 mg/M3 (Threshold Limit Value - 8 hour time weighted average) for respirable particulates (fumes).
Respiration protection	* Approved respiratory protection for airborne particulates when dust levels exceed 3 mg/M3 respirable.

Emergency Phone No : + 1.866.354.6536

PLIOLITE® S6H-US

MSDS No : PSRS6HUS Issue No : 3.01 **Page : 3**

9. Physical and chemical properties

Moisture content (%)	* 1.0 maximum
Density (kg/m3)	1040
Solubility in water	Insoluble.
Solubility (Other)	Soluble in aromatic hydrocarbons.
Thermal decomposition	> 200°C
Others	* Electrical insulating material.

10. Stability and reactivity

Stability	Stable
Materials to avoid	None under normal conditions.
Conditions to avoid	None under normal conditions.
Hazardous decomposition products	CO, CO2, Normal hydrocarbon combustion products expected.

11. Toxicological information

Physiological effects	None known.
Rat oral LD50 (mg/kg)	Not established.
Rabbit dermal LD50 (mg/kg)	Not established.
Rat inhalation LC50 (ppm)	Not applicable.

12. Ecological information

Biodegradation	Not soluble in water, so only minimally biodegradable.
----------------	--

13. Disposal considerations

Disposal	If possible, Recycle. Burn solid waste. Dispose in a safe manner in accordance with local/national regulations.
----------	--

14. Transportation information

Classification	Not classified.
- UN No.	
- IMO-IMDG code	
- ICAO/IATA	
Basic description	Not applicable.
Primary hazard class	Not applicable.
Subsidiary hazard class	Not applicable.
Labels required	Not applicable.
Reportable quantity	Not applicable.
Additional shipping information	Not applicable.

Emergency Phone No : + 1.866.354.6536

PLIOLITE® S6H-US

MSDS No : PSRS6HUS Issue No : 3.01

Page : 4

15. Regulatory information

Other

- * This material is included in:
- * Australian AICS
- * Canadian DSL/NDSL
- * Chinese IECS
- * European EINECS/ELINCS
- * Japanese ENCS
- * Korean ECL
- * Philippines PICCS
- * US TSCA

USA Canada

This product does not contain a SARA S-313 Toxic Chemical above the de minimis thresholds.

This material is not considered hazardous under the OSHA Hazard Communication Standard CFR Title 29, Part 1910.1200 or the WHMIS Canadian legislation.

WHMIS Classification
SARA 311/312 Classification
Other Local, State & Federal
CAS No. & Chemical

None.
None.

100-40-3: 4-Vinylcyclohexene
Subject to a Final TSCA Rule - Section 4A, 12B and 13.

16. Other information

Further information
Reasons for revision

This material is a high molecular weight polymer.
*: modifications since the previous version.

Revised date 13/2/4

Supersedes 18/1/2

Printed : 13/02/04

Eliokem believe that the information herein is correct at the date that this Material Safety Data Sheet was prepared. The data may not be exhaustive and should only be used as a guide to determine the best conditions for the safe use of the product. Eliokem is not responsible for any injury or liability resulting from misuse of this product.

Eliokem's products are manufactured for industrial use and have not been designed nor manufactured for medical or surgical applications, including medical devices. Eliokem makes no warranties, express or implied, with respect to the merchantability or fitness of any Eliokem product for any medical or surgical application, including medical devices.

End of document

Emergency Phone No : + 1.866.354.6536