



CHEIL INDUSTRIES

SAFETY DATA SHEET

Revision Date : 2002.07.03.

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : SL-7300HX
CHEMICAL NATURE : EPOXY MOLDING COMPOUND
MANUFACTURER : CHEIL INDUSTRIES INC.
332-2 GOCHUN-DONG,EUIWANG-SHI,KYOUNGKI-DO,KOREA 437-010
PHONE : 82-31-428-3260,3530
SUPPLIER : CHEIL INDUSTRIES INC.
332-2 GOCHUN-DONG,EUIWANG-SHI,KYOUNGKI-DO,KOREA 437-010
PHONE : 82-31-428-3260,3530
DATA PREPARED BY : J.H.Ryu EMC PREJECT MANAGER

2. COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENTS	CAS.NO.	BY WEIGHT(%)
Silica Fused	60676-86-0	70 - 90
Cristobalite	14464-46-1	0 ~ 1
Epoxy Resin	Trade Secret	3.0 ~ 20
Phenol Resin	Trade Secret	2.0 ~ 15
Antimony Trioxide	1309-64-4	0.1 ~ 3.0
Carbon Black	1333-86-4	0.1 ~ 0.5

3. HAZARD IDENTIFICATION

NFPA Rating :

Health : 2 Fire : 1 Reactivity : 0

0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme

----- EMERGENCY OVERVIEW -----

Handling and/or processing of this material may generate a dust, which can cause mechanical irritation of the eyes,skin,nose and throat. Cause eye,skin and respiratory irritation. May cause allergic skin reaction.

----- POTENTIAL HEALTH EFFECTS -----

EYE : Solid or dusts may cause irritation or corneal injury due to mechanical action.

SKIN : Prolonged exposure may cause skin irritation.
A single,Prolonged exposure is not likely to result in the material being absorbed through skin in harmful amounts.

INGESTION : Small amounts swallowed during normal handling operations are not likely to cause injury ; swallowing amounts larger than that may cause injury.

INHALATION : Slightly toxic if ingested

4. FIRST AID MEASURES

EYE CONTACT : Flush eyes with plenty of water. Get medical attention if irritation persists.

SKIN CONTACT : Wash immediately with plenty of water or shower with soap.
If irritation occurs, get medical attention.

INGESTION : Immediately give plenty of water. Get medical attention.

INHALATION : Remove to fresh air in case of accidental inhalation of vapors or dusts.
Get medical attention.

NOTE TO PHYSICIANS : Treat Symptomatically.
Treatment may vary with condition of victim and specifics of incident

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA : Water fog; small fires can be smothered with an inert material.
Dry chemical can be used.

UNUSUAL FIRE AND EXPLOSION HAZARDS : Emits toxic fumes under fire conditions.

FIRE-FIGHTING EQUIPMENT : Firefighters should wear full bunker gear, including a positive pressure self-contained breathing apparatus.

PRECAUTION : Keep container closed. Avoid heating above 204°C for prolonged periods

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTION : Use personal protective equipments. Avoid dust formation.

ENVIRONMENTAL PRECAUTIONS : Do not flush into surface water or sanitary sewer system.

METHODS FOR CLEANING UP : Clean contaminated surface thoroughly.

7. HANDLING AND STORAGE

HANDLING : Avoid contact with eyes and skin, and avoid breathing dust or vapors. Provide appropriate exhaust ventilation at places where dust is formed.

STORAGE : Keep containers tightly closed in a cool, well-ventilated space.
Keep dry and cool below 5°C for quality.
Keep out of sewers and waterways.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING MEASURES :

Ensure adequate ventilation, especially in confined areas.

PERSONAL PROTECTIVE EQUIPMENTS :

Respiratory protection – For most conditions, no respiratory protection should be needed ; however, in dusty

atmospheres or insufficient ventilation. wear a suitable respiratory equipment
or

NIOSH//OSHA approved respirator to protect from dust.

Hand protection – Impervious gloves(chemical-resistant gloves)

Eye protection – Safety glasses with side shields.

Skin and body protection – Chemical-resistant apron.

EXPOSURE LIMITS :

COMPONENTS	CAS No.	EXPOSURE GUIDELINES(mg/m ³)
		ACGIH(TLV-TWA)
Silica Fused	60676-86-0	0.1(Respirable)
Cristobalite	14464-46-1	0.05(Respirable)
Epoxy Resin	Trade Secret	Not listed
Phenol Resin	Trade Secret	Not listed
Antimony Trioxide	1309-64-4	0.5(as Sb)
Carbon Black	1333-86-4	3.5

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE : Black tablet with slight antiseptic odor.

pH : Not applicable

BOILING POINT : Not applicable

MELTING POINT(Softening point) : 75°C – 95°C

TEMPERATURE FLASH POINT : None

AUTOIGNITION TEMPERATURE : Not determined

EXPLOSION PROPERTIES : Not determined

VAPOR PRESSURE : Not applicable

VAPOR DENSITY(AIR=1) : Not applicable

SPECIFIC GRAVITY : 1.0 – 2.1

SOLUBILITY IN WATER : Insoluble in water

10. STABILITY AND REACTIVITY

STABILITY :

stable under recommended storage condition.

CONDITIONS TO AVOID :

Keep away from heat, moisture and sunlight for quality.

MATERIALS TO AVOID :

Strong oxidizing agents, acids, bases and alkali.

HAZARDOUS DECOMPOSITION PRODUCTS :

Carbon dioxide. Thermal decomposition can lead to release of irritating gases and vapors such as methane, ammonia, Phenol, carbon monoxide and hydrocarbon compounds.

HAZARDOUS POLYMERIZATION : Hazardous polymerization will not occur at room temperature.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY DATA : Silica fused : orl-rat LD50 : 3160mg/kg
: Antimony trioxide : orl-rat LD50 : >346000mg/kg
(SUMITOMO BAKELITE CO.)

LOCAL EFFECTS : No information available

SENSITIZATION : No information available

CHRONIC TOXICITY : Potential carcinogen by IARC;
Silica fused : Group 3
Antimony trioxide : Group 2B

12. ECOLOGICAL INFORMATION

Ecological testing has not been conducted on this product by Cheil Industries Inc,

13. DISPOSAL INFORMATION

WASTE FROM RESIDUES

Can burn in a chemical incinerator equipped with an afterburner and scrubber in compliance with government or local disposal regulations, also contaminated packaging do so.

14. TRANSPORT INFORMATION

Not a hazardous material for Department of transportation shipping.

Not dangerous by any mode of international transport.

15. REGULATORY INFORMATION

TSCA(TOXIC SUBSTANCES CONTROL ACT) :

The ingredients of this product are all on the 8(b) inventory list.

EINECS(EUROPEAN INVENTORY OF EXISTING COMMERCIAL CHEMICAL SUBSTANCES) :

This product complies with the provisions of the European Inventory.

EINESC No.	Silica Fused	262-373-8
	Phenol Resin	Monomers are all on the Inventory list.
		p-Xylene dimethyl ether ... 229-828-2
		Phenol ... 203-632-7
	Antimony Trioxide	215-175-0
ELINCS	Epoxy Resin	Reference No.94030295

Labeling according to EC Directives :

Hazard Symbol : Xn-Harmful

Risk Phrase : R40-Possible risks of irreversible effects.

Safety Phrases : S22-Do not breath dust.

S36/37-Wear suitable protective clothing and gloves.

16. OTHER INFORMATION

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