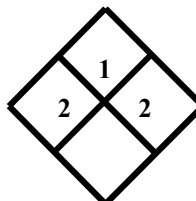


1. PRODUCT IDENTIFICATION

Trade Name: RenShape SL 5510 (formerly CIBATOOL SL 5510)

Material Code: FPC6105

Chemical Family: Epoxy resin and acrylate ester blend



NFPA RATING

2. COMPOSITION / INFORMATION ON INGREDIENTS

O S H A	CAS No.	CHEMICAL IDENTITY	EXPOSURE LIMITS				CARCINOGEN STATUS			
			ACGIH		OSHA		MFR.	IARC	NTP	OSHA
			TWA	STEL	PEL	STEL				
*	Confidential Concentration	alkyl carbonate 0.00 - 10.00 % by wt	NE	NE	NE	NE	NE	NR	NR	NR
*	Confidential Concentration	Alcohol Ether 10.00 - 30.00 % by wt	NE	NE	NE	NE	NE	NR	NR	NR
	Confidential Concentration	Cycloaliphatic epoxy resin 30.00 - 60.00 % by wt	NE	NE	NE	NE	NE	NR	NR	NR
*	Confidential Concentration	Aliphatic glycidyl ether 10.00 - 30.00 % by wt	NE	NE	NE	NE	NE	NR	NR	NR
*	Confidential Concentration	Diacrylate esters 0.00 - 10.00 % by wt	NE	NE	NE	NE	NE	NR	NR	NR
	Confidential Concentration	Acrylate esters 0.00 - 10.00 % by wt	NE	NE	NE	NE	NE	NR	NR	NR
*	Confidential Concentration	Antimony compound 0.00 - 10.00 % by wt	0.5 mg/m3	NE	NE	NE	NE	NR	NR	NR
*	Confidential Concentration	antimony compound 0.00 - 10.00 % by wt	NE	NE	NE	NE	NE	NR	NR	NR
*	Confidential Concentration	Photoinitiator 0.00 - 10.00 % by wt	NE	NE	NE	NE	NE	NR	NR	NR
	Confidential Concentration	Soluble Oligomer 0.00 - 10.00 % by wt	NE	NE	NE	NE	NE	NR	NR	NR
	Confidential Concentration	Epoxydes 0.00 - 10.00 % by wt	NE	NE	NE	NE	NE	NR	NR	NR

NE = Not Established NR = Not Reviewed * = OSHA Hazardous Ingredient

3. HAZARDS IDENTIFICATION

Emergency Overview: WARNING!!! Causes severe eye irritation. Causes skin irritation and possible allergic skin reaction. Harmful if inhaled. Harmful if swallowed.

Primary Route(s) of Entry: Dermal, inhalation.

Potential Health Effects: Vapor or mist can cause irritation to the nose and throat. Liquid or vapor can cause substantial irritation to eyes. Substance can cause moderate irritation. Substance can be possibly harmful if swallowed.

Chronic: Prolonged or repeated exposure can cause allergic reaction.

4. FIRST AID MEASURES

Ingestion: If swallowed dilute by giving two (2) glasses water to drink. See a physician. Never give anything by mouth to an unconscious person.

Skin: For skin contact, wash with large amounts of running water, and soap, if available, for 15 minutes. Remove contaminated clothing and shoes. Get immediate medical attention. Discard or decontaminate clothing before re-use and destroy contaminated shoes.

Inhalation: If inhaled, remove from area to fresh air. If not breathing, give artificial respiration. Get immediate medical attention. If breathing is difficult, transport to medical care and, if available, give supplemental oxygen.

Eyes: For eye contact, immediately flush eyes for at least 15 minutes with running water. Hold eyelids apart to ensure rinsing of the entire eye surface and lids with water. Get immediate medical attention.

Note to Physician: Allergic dermatitis or respiratory response in susceptible individuals may be delayed. It may appear after weeks or even months of frequent and prolonged contact.

Medical Conditions Aggravated by Exposure: Allergy, eczema, eye or respiratory conditions.

5. FIRE FIGHTING MEASURES

Flash Point: > 95°C (> 203 °F)
Flash Point Method Used: Closed Cup

Fire Fighting Extinguishing Media: Carbon dioxide, dry chemical, foam, water.

Fire Fighting Equipment: Use self-contained breathing apparatus and full protective clothing.

Fire and Explosion Hazards: Heat/Inhibitor depletion/Exposure to radiation/oxidizers can cause spontaneous polymerization generating heat and pressure. Sealed containers can explode. Avoid the use of a stream of water to control fire since frothing can occur.

Hazardous Combustion Products: Decomposition and combustion products may be toxic.

6. ACCIDENTAL RELEASE MEASURES

Accidental Release Measures: Evacuate the spill area. Wear protective clothing. Dike and absorb spill on inert material (sand, earth, etc.). Transfer to containers for disposal. Remove contaminated clothing and wash affected skin areas with soap and water. Wash clothing before re-use. If spilled on a porous surface, ground contamination must be considered.

7. HANDLING AND STORAGE

Signal Word: Warning !

Precautions: Avoid contact with eyes, skin, or clothing. Wear eye protection and impervious gloves when handling. Wash thoroughly after handling. Avoid breathing vapor or mist. Keep containers closed when not in use. Use only with adequate ventilation. Do not take internally.

Other Handling Information: In accordance with good industrial practice, handle with care and avoid unnecessary personal contact. Avoid contact with eyes and prolonged or repeated skin contact. Do not inhale mists. Use with adequate ventilation. For industrial use only.

Storage Information: MAXIMUM 35° C. Store indoors in a cool, dry area with adequate ventilation. Store out of direct sunlight.

Additional Information: PLEASE READ TECHNICAL DATA SHEET BEFORE HANDLING THE PRODUCT. KEEP OUT OF THE REACH OF CHILDREN. FOR INDUSTRIAL USE ONLY.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal Protective Equipment: Eye bath and safety shower should be available. Wear protective clothing.

Skin Protection: Wear impervious gloves.

Respiratory Protection: Wear respirator (MSHA/NIOSH or approved equivalent) suitable for concentrations and type of air contaminants encountered.

Eye Protection: Wear splash-proof chemical goggles.

Engineering Controls: Good general mechanical ventilation and local exhaust.

Emergency Response Protection: Wear breathing apparatus (MSHA/NIOSH-approved, pressure demand, self-contained or equivalent) and full protective gear.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear Liquid
Color:	Light Amber
Odor:	Slight
Solubility in Water:	Slight
Viscosity:	~ 270 cps at 25°C (77 °F)
Vapor Pressure:	< 1 mm Hg at 20°C (68 °F)

Specific Gravity: ~ 1.17 (Water =1)
Evaporation Rate: < 1 (Butyl Acetate = 1)
Vapor Density: > 1 (Air = 1)
VOC: 12 g/L (This is an estimated value.)

10. STABILITY AND REACTIVITY

Conditions to Avoid: Heat, direct sunlight, UV radiation, and free radical initiators

Stability: Unstable

Incompatibility: Strong oxidizing agents and inert gases.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, and oxides of nitrogen.

Hazardous Polymerization: May occur.

11. TOXICOLOGICAL INFORMATION

Acute Oral Effects (LD50): (rats) >2000 gm/Kg (components)

Sensitization: Skin sensitizer.

Skin Irritation: Moderate irritant.

Eye Irritation: Moderate - severe.

12. ECOLOGICAL INFORMATION

Biodegradability: No information available.

Ecotoxicity: No information available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method: Incinerate liquid; landfill or incinerate contaminated diking material in accordance with local, state, and federal regulations.

14. TRANSPORT INFORMATION

DOT: Non-Bulk

Proper Shipping Name: Not Regulated

IATA: Non-Bulk

Proper Shipping Name: Not Regulated

15. REGULATORY INFORMATION

US Federal Regulations:

Occupational Safety and Health Act (OSHA): This product is considered to be a hazardous chemical under the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Resource Conservation and Recovery Act (RCRA): This product is not considered to be a hazardous waste under RCRA (40 CFR 261).

SARA Title III: Section 302 - Extremely Hazardous Substances (EHS): This product contains no chemicals regulated under Section 302 as extremely hazardous substances.

SARA Title III: Section 304 - CERCLA: This product contains no chemicals regulated under Section 304 as extremely hazardous chemicals for emergency release notification ("CERCLA" List).

SARA Title III: Section 311/312 - Hazard Communication Standard (HCS): Immediate (acute) health hazard.

SARA Title III: Section 313 Toxic Chemical List (TCL): This product does not contain a toxic chemical for routine annual 'Toxic Chemical Release Reporting' under Sec. 313 (40 CFR 372).

TSCA Section 8(b) - Inventory Status: All chemical(s) comprising this product are listed on the TSCA inventory.

TSCA Section 12(b) - Export Notification: This product does not contain any chemical(s) that are subject to a Section 12(b) export notification.

State Regulations:

California Proposition 65: This product does not contain any chemicals currently on the California list of Known Carcinogens and Reproductive Toxins.

Pennsylvania Right-to-Know: The following is required composition information:

Chemical Name: Cycloaliphatic epoxy resin
CAS Number: Confidential
Comment: Not on Pennsylvania Hazardous Substance List

Chemical Name: Aliphatic glycidyl ether
CAS Number: Confidential
Comment: Not on Pennsylvania Hazardous Substance List

Chemical Name: Acrylate ester
CAS Number: Confidential
Comment: Not on Pennsylvania Hazardous Substance List

Chemical Name: Acrylate esters
CAS Number: Confidential
Comment: Not on Pennsylvania Hazardous Substance List

Chemical Name: Diacrylate esters
CAS Number: Confidential
Comment: Not on Pennsylvania Hazardous Substance List

Chemical Name: alkyl carbonate

CAS Number: Confidential

Comment: Not on Pennsylvania Hazardous Substance List

16. OTHER INFORMATION

MSDS No:	11095
Reason Issued:	new name - Update & remove TS flags
Prepared By:	Matthew Austin
Approved By:	Matthew Austin
Title:	E H & S Chemist
Approved Date:	04/02/98
Supersedes Date:	06/13/01

Other Information: L/M Codes: DL0597 - DR (D10020030)

Material Code: FPC6106

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