

**Material Safety Data Sheet**

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**I. GENERAL INFORMATION**

Chemical Name & Synonyms SIANE WATERPROOFING COMPOUND	Trade Name & Synonyms Enviro-Shield 40%
Chemical Family ORGANIC SILANE	Formula MIXTURE
Proper DOT Shipping RESIN SOLUTION	DOT Hazard Classification FLAMMABLE LIQUID (UN-1866)
Manufacturer The Chargar Corp.	Manufacturer's Phone Number 203-562-9948
Manufacturer's Address 299 Welton St. Hamden, Ct. 06517	Chemtree Phone Number

**II. INGREDIENTS**

Principal Hazardous Components	Percent	Threshold Limit Value (Units)
ISOPROPYL ALCOHOL (CAS # 67-63-0)	54%	400 PPM (ACGIH)
THIS PRODUCT DOES NOT CONTAIN ANY CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SARA 313 OR 40 CFR, PART 372.		
HAZARD RATING (HMIS): HEALTH 1	FLAMMABILITY 3	REACTIVITY 1

**III. PHYSICAL DATA**

Boiling Point (°F) 180° F. (ISOPROPYL ALCOHOL)	Specific Gravity (H <sub>2</sub> O = 1)
Vapor Pressure (mm Hg.) 33	Percent Volatile by Volume (%) 54
Vapor Density (Air = 1) 2.07 (ISOPROPYL ALCOHOL)	Evaporation Rate (ETHER = 1) SLOWER
Solubility in Water SOLUBLE	PH N/A
Appearance & Odor CLEAR WATER WHITE LIQUID - ALCOHOL ODOR	

**IV. FIRE & EXPLOSION HAZARD DATA**

Flash Point (Test Method) 60° F. T.C.C.	Auto Ignition Temperature UNKNOWN	
Flammable Limits	LEL 2.0	UEL 12.7 @ 200° F.
Extinguishing Media: WATER SPRAY, CARBON DIOXIDE, DRY CHEMICAL, AND FOAM		
Special Fire Fighting Procedures: USE SELF-CONTAINED BREATHING APPARATUS WHEN FIGHTING FIRES INVOLVING CHEMICALS.		
Unusual Fire & Explosion Hazards: VAPOR FROM THIS PRODUCT MAY TRAVEL OR BE MOVED BY AIR CURRENT AND IGNITED BY PILOT LIGHTS, SMOKING, SPARKS, HEATERS OR OTHER IGNITION SOURCES.		

**V. Health Hazard Data**

OSHA Permissible Exposure Limit SEE SECTION II	ACGIH Threshold Limit Value SEE SECTION II
Carcinogen - NTP Program NO	Carcinogen - IARC Program NO
Symptoms of Exposure: EYE IRRITATION AND DRYING AND CRACKING OF SKIN. CONCENTRATIONS ABOVE TLV MAY RESULT IN HEADACHES AND DROWSINESS.	
Medical Conditions Aggravated By Exposure: PREVENT FROM EXPOSURE THOSE INDIVIDUALS HAVING A HISTORY OF RESPIRATORY PROBLEMS?	
Primary Route (s) of Entry: DERMAL AND INHALATION	
Emergency First Aid: SKIN: WASH WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. INHALATION: REMOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF NECESSARY. GET IMMEDIATE MEDICAL ATTENTION. INGESTION: GIVE TWO GLASSES OF WATER AND INDUCE VOMITING. GET IMMEDIATE MEDICAL ATTENTION. EYES: FLUSH IMMEDIATELY WITH WATER. GET IMMEDIATE MEDICAL ATTENTION.	

**VI. REACTIVITY DATA**

Stability		Unstable	Conditions to Avoid
	X	Stable	HEAT, SPARKS AND FLAMES
Incompatibility			Materials to Avoid CONCENTRATED NITIC AND SULFURIC ACIDS, STRONG OXIDIZER, ALDEHYDES, AND HALOGEN COMPOUNDS.
Hazardous		May Occur	Conditions to Avoid
	X	Will Not Occur	HEAT, SPARKS, AND FLAMES
Polymerization			
Hazardous Decomposition Products: CARBON MONOXIDE, CARBON DIOXIDE, AND SILICONE DIOXIDE			

**VII. ENVIRONMENTAL PROTECTION PROCEDURES**

Spill Response: EXTINGUISH ALL IGNITION SOURCES. COLLECT LARGE SPILLS FOR DISPOSAL. FLUSH SMALL SPILLS WITH WATER. USE NON-SPARKING CLEAN-UP TOOLS.
Waste Disposal Method: INCINERATE OR LANDFILL IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. DISPOSE EMPTY CONTAINERS PROPERLY.

**VIII. SPECIAL PROTECTION INFORMATION**

Eye Protection SPLASH-PROOF GOGGLES	Skin Protection NEOPRENE GLOVES
Respiratory Protection (Specific Types) ORGANIC VAPOR, NIOSH APPROVED RESPIRATOR WHEN SPRAYING	Ventilation Recommended GENERAL (MECHANICAL) VENTILATION ACCEPTABLE
Other Protection: SELF-CONTAINED BREATHING APPARTUS IN CONFINED AREAS.	

**IX. SPECIAL PRECAUTIONS**

Hygienic Practices In Handling & Storage: KEEP CONTAINERS TIGHTLY SEALED. STORE IN COOL, DRY PLACE. WASH HANDS THOROUGHLY BEFORE EATING OR SMOKING.
Precautions For Repair & Maintenance of Contaminated Equipment: HAVE CONTAMINATED CLOTHING PROFESSIONALLY LAUNDERED.
Other Precautions: AVOID CONTACT WITH EYES, SKIN, AND CLOTHING. USE WITH ADEQUATE VENTILATION. KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAME. MATERIAL IS FLAMMABLE.