

# MATERIAL SAFETY DATA SHEET

<b>EDISON COATINGS, INC.</b> <b>3 NORTHWEST DRIVE</b> <b>PLAINVILLE, CT 06062</b> <b>(860)-747-2220</b>	IN CASE OF EMERGENCY, CALL INFOTRAC at <b>1-800-535-5053</b>	<b>HMIS RATINGS</b>	
		FIRE:	2
		HEALTH:	1
		PHYSICAL HAZARD:	0
		PROTECTION	X

## SECTION 1 - PRODUCT IDENTIFICATION

PRODUCT NAME:	System 95	D.O.T. CATEGORY:	3, Tetraethyl silicate, Flammable Liquid UN1292, PG III
PRODUCT CLASS:	Masonry Consolidant	DATE OF PREPARATION:	10/23/06
PRODUCT TYPE:	Alkyl silicates	PREVIOUS REVISION:	1/5/11

## SECTION 2 - HAZARDOUS INGREDIENTS

INGREDIENT	CONCENTRATION	CAS#	OSHA
Tetraethyl orthosilicate	<10%	78-10-4	20 ml/m <sup>3</sup> 170 mg/m <sup>3</sup>
Stannane, dibutylbis ((1-oxododecyl)oxy)	>1 - <2.5%	77-58-7	0.1 mg/m <sup>3</sup>

SARA TITLE 3 SECTION 313:	NO
SUSPECTED CARCINOGEN:	NO

## SECTION 3 - PHYSICAL DATA

PHYSICAL STATE:	Mobile Liquid, colorless, with slight characteristic odor	VAPOR PRESSURE:	Not measured
SPECIFIC GRAVITY:	(Water = 1) Approx. 1.06	VAPOR DENSITY:	(Air = 1) No Data.
DENSITY:	approx. 8.8 lbs/gallon	WATER SOLUBILITY:	Insoluble
BOILING POINT:	Not measured	EVAPORATION RATE (ETHER = 1): Slower	
MELTING POINT:	Not measured		

## SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:	107°F
FLAMMABILITY CLASSIFICATION:	OSHA Combustible Liquid, Class II
EXTINGUISHING MEDIA:	Foam, Water Spray, Carbon Dioxide (CO <sub>2</sub> ), Dry Chemical

SPECIAL FIREFIGHTING PROCEDURES:	Turn off all ignition sources. A face shield should be worn. Firefighters should wear butyl rubber boots, gloves, and body suit and a self-contained breathing apparatus. Retain expended liquids from firefighting for later disposal.
UNUSUAL FIRE AND EXPLOSION HAZARDS:	May generate toxic or irritating combustion products, carbon monoxide gas, CO <sub>2</sub> , silicon dioxide. Under certain conditions of combustion, traces of other toxic substances cannot be excluded. Personnel in vicinity and downwind should be evacuated. At temperatures above 200F pressure may build up in closed containers and explosive rupture is possible.

#### SECTION 5 - HEALTH HAZARD DATA

<u>EFFECTS OF OVEREXPOSURE</u>	
ACUTE:	<b>Eye Contact:</b> May cause irritation. <b>Skin Contact:</b> No harmful effects expected or reported upon contact. <b>Ingestion:</b> No harmful effects expected or reported. <b>Inhalation:</b> No harmful effects expected or reported.
<u>SIGNS AND SYMPTOMS OF EXPOSURE</u>	
CHRONIC:	Repeated and/or prolonged exposures may result in: adverse eye effects (irritation), adverse skin effects (irritation), adverse respiratory effects (irritation).

<u>EMERGENCY FIRST AID PROCEDURES:</u>	
EYES:	Hold eyelids apart and immediately flush eyes with plenty of water for at least 15 minutes. Seek medical advice.
SKIN:	Remove contaminated clothing and shoes. Wash skin with soap and water. Launder contaminated clothing prior to reuse.
INHALATION:	Move to fresh air. In the event of symptoms seek medical attention. Prevent aspiration of vomit. Turn victim's head to the side.
INGESTION:	In the event of ingestion, administer 3-4 glasses of milk or water. DO NOT INDUCE VOMITING. Seek medical advice.
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:	None known
PRIMARY ROUTE(S) OF ENTRY:	Eyes, Skin Contact, Ingestion, Inhalation

#### SECTION 6 - REACTIVITY DATA

STABILITY:	Stable	HAZARDOUS POLYMERIZATION:	No
INCOMPATIBILITY:	No hazardous reactions with proper storage and handling		
HAZARDOUS DECOMPOSITION PRODUCTS:	If in contact with humidity alcohol may be built by hydrolysis		

### SECTION 7 - SPILL OR LEAKAGE PROCEDURES

CONTAINMENT TECHNIQUES:	Stop the leak, if possible. Ventilate the space involved. Reduce vapor spreading with a water spray. Shut off or remove all ignition sources. Construct a dike to prevent spreading. Do not allow to enter soil, waterways or sewer system. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
WASTE DISPOSAL METHOD:	Comply with all Federal, State, and Local Regulations. If the recovery is not feasible, admix with dry soil, sand or non-reactive absorbent (sodium bisulfate) and place in a container or dumpster pending disposal. Transfer to containers by suction, preparatory for later disposal. Flush area with water spray. Clean-up personnel must be equipped with self-contained breathing apparatus and butyl rubber protective clothing. For large spills, recover spilled material with a vacuum truck.
OTHER EMERGENCY ADVICE:	Wear protective clothing, boots, gloves, and eye protection.

### SECTION 8 - SAFE HANDLING AND USE INFORMATION

STORAGE:	Store in tightly closed containers in a cool, well-ventilated place. Protect from atmospheric moisture and water.
OTHER PRECAUTIONS:	Adhere to work practice rules established by government regulations (e.g. OSHA)
RESPIRATORY PROTECTION:	When spraying use Organic vapor/mist mask, NIOSH-approved. Provide good ventilation (local exhaust if necessary).
VENTILATION:	Maintain air contaminant concentrations in the workplace at the lowest feasible levels, below TLV.
HAND PROTECTION:	PVC gloves.
EYE PROTECTION:	Tightly fitting safety goggles.
OTHER PROTECTIVE EQUIPMENT:	Light protective clothing.

### SECTION 9 - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING:	Avoid contact with skin or eyes. When handling, do not eat, drink, or smoke. Wash hands before breaks and after work. Keep away from food and beverages. Do not inhale gases/vapors/aerosols.
WORK AND HYGIENIC PRACTICES:	Promptly remove clothing that becomes contaminated.

### SECTION 10 - REGULATORY INFORMATION

#### US FEDERAL REGULATIONS

#### TOXIC SUBSTANCES CONTROL ACT (TSCA) -

All components are included in the EPA Toxic Substances Control Act (TSCA) Chemical Substance Inventory or comply with TSCA Polymer Exemption criteria per 40 CFR 723..

OSHA Hazard Communication Standard (29CFR1910.1200) Hazard Class(es): Flammable

EPA SARA TITLE Section 311/312:

FIRE - Yes

REACTIVITY - No

ACUTE - No