

# Material Safety Data Sheet

## 1. PRODUCT AND COMPANY IDENTIFICATION

### Product Identification

Product Name: Silan Treat 88C  
Product Use: Water Repellant

### Company Identification

Edison Coatings, Inc.  
3 Northwest Drive  
Plainville, CT 06062

Edison Coatings Tech Info Phone: 1-860-747-2220  
Emergency Phone: 1-800-535-5053

## 2. HAZARDS IDENTIFICATION

### Primary Routes of Exposure:

Eye contact  
Ingestion  
Skin Contact  
Inhalation

### Eye Contact:

- May cause irritation

### Skin Contact:

- May cause irritation

### Ingestion:

- May be harmful if swallowed

### Inhalation:

- May cause irritation of respiratory tract or mucous membrane. Neurotoxic effects are possible.

### Target Organ and Other Health Effects:

- No information is known on relative effects on target organs.

**Carcinogens:**

- This product does not have any carcinogenic effects.

**3. COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS**

<b>Ingredient Name CAS-No.</b>	<b>Approx. Weight%</b>	<b>Chemical Name</b>
Octyl Triethoxy Silane 35435-21-3	60-100%	Octyl Triethoxy Silane
Isomers of octyltriethoxysilane Various	5-10%	Various
Polydimethylsiloxane with aminoalkyl groups 71750-80-6	0.0-4.0%	Polydimethylsiloxane
Ethanol 64-17-5	Varies	Ethyl Alcohol

**4. First Aid Measures****Eye Contact:**

Flush eyes with plenty of water for 15 min. while holding eyelids open. Get medical attention.

**Skin Contact:**

Immediately wash affected areas with cool water and soap.

**Ingestion:**

Drink plenty of water. Get medical attention immediately. Indicate possible formation of ethanol.

**Inhalation:**

Remove victim to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration.

**Medical Conditions Aggravated by Exposure:**

Pre-existing skin, eye, and lung disorders may be aggravated by this product.

**5. FIRE FIGHTING MEASURES****Extinguishing Media:**

Sand, carbon dioxide, dry chemical, or alcohol-resistant foam are suitable forms of extinguishing media. Do not use water.

**Unusual fire and explosion hazards:**

This material will flash but does not sustain combustion. Ignitable vapors may be released during processing or curing.

**Fire Fighting Procedures:**

Fire fighters should wear full protective clothing including a self-contained breathing apparatus. Cool endangered containers with water.

## **6. ACCIDENTAL RELEASE MEASURES**

**Action to be taken if material is released or spilled:**

If the material is spilled, prevent material from entering sewers or surface waters. Contain any fluid that runs out using suitable material (e.g. inert absorbent). Retain contaminated water/extinguishing water. Dispose of in prescribed marked containers. Do not flush away with water. Eliminate all sources of ignition.

## **7. HANDLING AND STORAGE**

**Precautions to be taken in handling and storage:**

Normal temperatures do not affect the material. Protect against frost. Keep container tightly closed and store in a cool, well ventilated place. Keep away from open flames, heat and sparks. Keep away from sources of ignition and do not smoke. Take precautionary measures against electrostatic charging. Cool endangered containers with water. Product can separate methanol. Product may release ethanol. Flammable vapors may accumulate and form explosive mixtures with air in containers, process vessels, including partial, empty, and uncleaned containers and vessels, or other enclosed spaces. In partly emptied containers formation of explosive mixtures is possible.

## **8. PERSONAL PROTECTIVE EQUIPMENT AND EXPOSURE CONTROLS**

**Personal Protective Equipment****Eye and Face Protection:**

Safety glasses with side shields or chemical safety goggles.

**Skin Protection:**

Industrial work clothes should be worn. Butyl rubber gloves are recommended for direct contact.

**Other Personal Protection Data:**

Eye wash fountains and safety showers should be available for emergency use. No other special requirements are necessary.

**Respiratory Protection:**

If spray mists are generated, wear NIOSH approved particulate respirator.

**Ventilation:**

Use local exhaust or general dilution ventilation to control exposure within applicable limits.

**Exposure Guidelines**

There is no data available on either OSHA Permissible Exposure Limits (PEL's) or ACGIH Threshold Limit Value (TLV's) for components of product.

**9. PHYSICAL PROPERTIES**

Odor:	Slight
Physical State:	Paste
pH:	Not Applicable
Vapor Pressure (mmHg):	23 hPa at 20°C
Vapor Density (Air=1):	Not Applicable
Boiling Point:	212°F at 1013 hPa
Solubility in Water:	Miscible at 20°C
Coefficient of water/oil distribution:	Not Determined
Density (grams per milliliter):	0.9
Evaporation Rate (Ether=1):	Not Determined
Flash Point (Fahrenheit):	>147
Flash Point (Celsius):	>64
Lower Explosive Limit (%):	Not Determined
Upper Explosive Limit (%):	Not Determined
Autoignition temperature:	265°C (509°F)

**10. STABILITY AND REACTIVITY**

Stability:	All components are stable.
Conditions to Avoid:	Sub-freezing temperatures
Incompatibility:	Reacts with water, acids, and alkalis.
Hazardous Polymerization:	None anticipated.
Hazardous Decomposition Products:	Ethanol
Sensitivity to static discharge:	Not determined.

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

Route of Exposure	Result/Effect	Species/Test System	Source
Oral	LD <sub>50</sub> : > 2000 mg/kg	rat	Conclusion by analogy
Dermal	LD <sub>50</sub> : > 2000 mg/kg	rat	Conclusion by analogy
By Inhalation (spray/dust)	LC <sub>50</sub> : > 5.2 mg/l; 4 h No mortality with give dose	rat	Test report

### Mutagens/Teratogens/Carcinogens:

This product is not listed as a carcinogen by NTP, OSHA, or IARC. No constituents of this product are listed as carcinogens by NTP, OSHA, or IARC.

## 12. ECOLOGICAL DATA

Adverse effects on water purification plants are not expected. No other ecological information is known.

## 13. DISPOSAL CONSIDERATIONS

Dispose in accordance with local, state, and federal regulations. This product is not a hazardous waste under RCRA Regulations (40 CFR 261), but may be regulated by other jurisdictions.

## 14. TRANSPORTATION INFORMATION

### US DOT & Canada TDG Surface

Valuation.....: Not Regulated for Transport  
Other Information.....: Protect from Freezing

### Transport by Sea IMDG-Code

Valuation.....: Not Regulated for Transport

### Air Transport ICAO-TI/IATA-DGR

Valuation.....: Not Regulated for Transport

## **15. REGULATORY INFORMATION**

### **U.S. Federal Regulations**

#### **TSCA Inventory Status and TSCA Information:**

This material or its components are listed on or are in compliance with the requirements of the TSCA Chemical Substance Inventory.

#### **TSCA 12(b) Export Notification:**

This material does not contain any TSCA 12(b) regulated chemicals.

#### **CERCLA Regulated Chemicals:**

This material does not contain any CERCLA regulated chemicals.

#### **SARA 302 EHS Chemicals:**

This material does not contain any SARA extremely hazardous substances.

#### **SARA 311/312 Hazard Class:**

Fire Hazard

#### **SARA 313 Chemicals:**

This material does not contain any SARA 313 chemicals above the minimum levels.

#### **HAPS (Hazardous Air Pollutants):**

67-56-1                      Methanol

### **U.S. State Regulations**

#### **California Proposition 65 Carcinogens:**

This material does not contain any chemicals known to the state of California to cause cancer.

#### **California Proposition 65 Reproductive Toxins:**

67-56-1                      Methanol

#### **Massachusetts Substance List:**

This material contains no listed components.

#### **New Jersey Right-to-Know Hazardous Substance List:**

This material contains no listed components.

#### **Pennsylvania Right-to-Know Hazardous Substance List:**

This material contains no listed components.

### **Canadian Regulations**

This product has been classified in accordance with the Hazard criteria of the CPR and SDS contains all the information required by the CPR.

**WHMIS Hazard Classes:**

B3

**DSL Status:**

This material or its components are listed on the Canadian Domestic Substance List.

**Non-DSL Chemicals:**

This material does not contain any non-DSL chemicals.

**Canadian Ingredient Disclosure List:**

This material contains no listed components.

**16. OTHER INFORMATION**

Effective Date:	25/Feb/2015
Revision Date:	25/Feb/2015