


1. Product and Company Identification		
<b>GROUP HEADOFFICE</b> Sripath Technologies®, LLC 115 Franklin Turnpike, #250, Mahwah, NJ 07430, USA Phone: (201) 721-7562		
<b>EUROPE OFFICE</b> Sripath Innovations Ltd. 21 Ledbury Place Croydon, CR0-1ET United Kingdom +44 20 8688-9645 info@sripathinnovations.com	<b>ASIA OFFICE</b> Bitpath Pvt. Ltd. D-411, Dheeraj Uphar, Film City Rd. Behind Dindoshi Bus Depot Malad (E), Mumbai 400-097, India +91 98211-33845	<b>AUSTRALIA OFFICE</b> Sripath Asia Pac Pty. Ltd. Auz Country Carriers Warehouse F3/155 Abbots Road Dandenong South, VIC 3175 Australia +61 800-191-799
<b>Chemwatch Emergency Response International</b> <span style="float: right;"><b>+1 855 237 5573</b></span> <b>See Section 16 for Local Emergency Response Telephone Numbers</b>		
Product Identifier	SriCote®	
Synonyms:	SriCote®	
Chemical Family:	Mixture of Silanes	
Recommended Use:	An additive for use in blending with asphalt	

2. Hazards Identification				
<b>Classification of the Substance:</b>				
Skin Irritation, Cat. 2				
Eye Irritation, Cat. 2				
<b>Pictogram:</b>		<b>Signal Word:</b>		
		WARNING		
<b>Hazard Statement(s):</b>				
H315 – Causes skin irritation				
H319 – Causes serious eye irritation				
<b>Precautionary Statement(s):</b>				
<b>Prevention:</b>	P264 Wash affected area thoroughly after handling			
	P280 Wear protective gloves / protective clothing / eye protection / face protection			
<b>Response:</b>	P302 + P352 IF ON SKIN: Wash with plenty of water			
	P321 Specific treatment. See Section 4 – First Aid Measures – Skin Contact			
	P332 + P317 If skin irritation occurs: Get medical advice / attention			
	P362 + P364 Take off contaminated clothing and wash it before reuse			
	P305 + 351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove Contact lenses if present and easy to do. Continue rinsing.			
	P337 + P317 If eye irritation persists: Get medical help			
<b>Storage:</b>	None			
<b>Disposal:</b>	None			
<b>Hazards Not Otherwise Classified:</b>				
<b>EMERGENCY OVERVIEW:</b>	May be a slight irritant in contact with skin, eyes, or on ingestion			
<b>Potential Health Effects:</b>				
<b>Skin Contact:</b>	Slightly hazardous in case of skin contact (irritant).			
<b>Eye Contact:</b>	Slightly hazardous in case of eye contact (irritant).			
<b>Inhalation:</b>	Slightly hazardous in case of inhalation (irritant).			
<b>Ingestion:</b>	Slightly hazardous in case of ingestion (irritant).			
<b>HMIS Ratings (Scale of 1 to 4)</b>	Health: 1	Fire: 1	Reactivity: 0	Special: N/A

NFPA Ratings (Scale of 1 to 4)	Health: 0	Fire: 1	Reactivity: 1	Other: N/A
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**3. Composition/Information on Ingredients**

Ingredient Name	CAS Number:	EC Number:	Weight Percent
Octyltriethoxy Silane	2943-75-1	220-914-2	>40
[3-(2,3-epoxypropoxy)propyl]trimethoxy Silane	2530-83-8	219-784-2	30 – 50
Methacryloxypropyl trimethoxy Silane	2530-85-0	219-785-8	10 - 40

**4. First Aid Measures**

Skin Contact:	Remove contaminated clothing, jewelry and shoes immediately. Wash affected area with soap or mild detergent and large amounts of water until no evidence of chemical remains (at least 15-20 minutes). Get medical attention immediately.
Eye Contact:	Check for and remove any contact lenses. Wash eyes immediately with large amounts of water or normal saline solution, occasionally lifting upper and lower lids until no evidence of chemical remains (approximately 15-20 minutes). Get medical attention immediately.
Inhalation:	Remove from exposure area to fresh air immediately. Keep person warm and at rest. If breathing is difficult, give oxygen. Treat symptomatically and supportively. Get medical attention immediately.
Ingestion:	If swallowed DO NOT INDUCE VOMITING unless directed to do so by medical personnel. Rinse with water. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.
Indication of Immediate medical attention and special treatment. Notes to Physician:	Treat symptomatically
Acute / Delayed Symptoms	Skin, eye irritation

**5. Fire Fighting Measures**

Flash Point: (Closed cup)	>150 °C (>302 °F)
Suitable Extinguishing Media:	Water, Dry chemical, carbon dioxide, and regular foam. For larger fires, use regular foam
Unsuitable Extinguishing Media:	N/A
Fire Fighting Instructions	Move container from fire area if you can do it without risk. Avoid breathing corrosive vapors; keep upwind. Wear self-contained breathing apparatus for firefighting, if necessary.
Specific Hazards:	
Fire and Explosion Hazard:	Emits Carbon Dioxide, Carbon Monoxide under fire conditions.
Products of Combustion:	Thermal decomposition products may include toxic fumes including carbon monoxide and carbon dioxide. Other by product is Silicon Oxide.

**6. Accidental Release Measures**

Emergency Procedures: Personal Evacuation and Safety	Use personal protective equipment. Avoid breathing vapors, mist, or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.
Clean-up and Containment: Small Spill:	Absorb with an inert material (paper towels, spill control pillows, absorbent particulate) and put the spilled material in an appropriate waste disposal.
Clean-up and Containment: Large Spill:	Absorb with an inert material (paper towels, spill control pillows, absorbent particulate) and put the spilled material in an appropriate waste disposal. Finish cleaning by spraying water on the contaminated surface and allow to evacuate through the sanitary system.

Methods and Materials for Containment, Clean-up and Disposal:	Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.
<b>Personal Protective Equipment (PPE):</b> Face shield. Synthetic apron. Gloves (impervious).	
Eyes:	Tightly fitting safety goggles. Face shield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH(US) or EN 166 (EU)
Skin Protection:	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.
Body:	Impervious clothing, the type of protective equipment must be selected according to the concentration and the amount of the dangerous substance at the specific workplace.
Respiratory:	Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH(US) / CEN(EU)

### 7. Handling and Storage

Safe Handling:	Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not breathe gas/fumes/vapor spray. Keep away from incompatibles. Handle in accordance with good hygiene and safety procedures. Avoid inhalation, contact with eyes, skin or clothing.
Safe Storage:	Keep in a tightly closed container, stored in a cool, dry, ventilated area.
Incompatibilities:	N/A

### 8. Exposure Controls/Personal Protection

Exposure Parameters:	OSHA-PEL: Not known
Engineering Controls:	Provide local exhaust ventilation system or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.
Protection Measures:	Ensure that eyewash stations and safety showers are proximal to the work-station location.

### 9. Physical and Chemical Properties

Appearance Description	Liquid
Odor:	Slight
Odor Threshold:	Not known
Initial Boiling Point and Boiling Range:	290 °C (554 °F)
Melting Point:	Not applicable
Specific Gravity (H <sub>2</sub> O=1):	1.07 (Water = 1)
pH (1%soln/water)	7
Evaporation Rate:	Not known
Water Solubility:	No data available
Vapor Density (air = 1)	N/A

Vapor Pressure:	Not known
Relative Density:	Not known
Solubility:	Not known
Partition Coefficient:	Not known
Freezing Point:	Not known
Flash Point:	>150 °C (302 °F) (closed cup)
Lower/upper Flame Limits	Not known
Auto-ignition Temperature:	Not known
Decomposition Temperature:	Not known
Viscosity:	75 to 125 cP at 24 °C (75 °F)

**10. Stability and Reactivity**

Chemical Stability:	Stable at recommended usage and storage conditions
Reactivity:	No data available
Possible hazardous reactions:	No data available
Conditions to avoid:	No data available
Incompatibilities:	Reactive with water. Methanol is by product
Hazardous decomposition products:	Carbon oxides, silicone oxides. Reacts with water to form: = Methanol is given off during processing and by reaction with water. In the event of fire: see section 5

**11. Toxicological Information**

Toxicity Data:	Slightly hazardous in case of skin contact (irritant), or ingestion, or inhalation. No information on adverse reproductive effects on humans found. Silanes have been used in many toxicology studies, and are assumed not to exert important effects; however, there have been only a few studies that directly assess this issue. LD 50 (oral) Rat: 8.03 mg/kg, LD 50 (dermal) Rabbit: 4.248 mg/kg Acute Potential Health Effects: Skin: May cause skin irritation. Low hazard for usual industrial handling. Eyes: May cause transient irritation. Inhalation: Low hazard for usual industrial handling. Ingestion: Ingestion of large amount may cause gastrointestinal (digestive) tract irritation. Expected to be a low ingestion hazard. Chronic Potential Health Effects: Repeated or prolonged contact may cause allergic reactions in sensitive individuals.		
Carcinogen status	OSHA – No	NTP – Not a carcinogen	IARC - Not a carcinogen

**12. Ecological Information**

Ecotoxicity:	No data available
Persistence and Degradability:	No data available
Bio-accumulative Potential:	No data available
Mobility in Soil:	No data available
Other Adverse Effects:	No data available

**13. Disposal Information**

Do not dispose into the immediate environment. Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Waste must be disposed of in accordance with federal, state and local environmental control regulations.

**14. Department of Transportation (DOT) Transport Information**

Shipping Name:	SriCote
UN Number:	Not Regulated

UN proper shipping name:	Not Regulated
Hazard Class or Division:	Not Regulated
DOT Classification:	Not a DOT controlled material (United States).
Packing Group:	Not Regulated
<b>Environmental hazard(s):</b>	
Labeling Requirements:	Not Regulated
<b>Packing Authorizations:</b>	
Exceptions:	Not Regulated
<b>Non-Bulk Packing:</b>	
Bulk Packing:	Not Regulated
<b>Quantity Limitations:</b>	
Passenger Aircraft:	Not Regulated
Cargo Aircraft Only:	Not Regulated

15. Regulatory Information	
OSHA Process Safety:	Not listed
SARA Title III:	Not listed
TSCA Status:	All components listed
CERCLA:	Not listed
ENECS Status:	This product is on the European Inventory of Existing Commercial Chemical Substances.
California Proposition 65:	Not listed
WHMIS Classification	Not controlled under WHMIS (Canada)
DSCL (EEC):	This product is not classified according to the EU regulations. S24/25- Avoid contact with skin and eyes.
Federal and State Regulations:	Not regulated TSCA Listed - non-hazardous

16: Other Information		
<b>Chemwatch Emergency Response International</b>	<b>+1 855 237 5573</b>	
<b>Local Emergency Telephone Numbers:</b>		
Argentina: +54 11 6842 1116	Australia: +61 2 9186 1132	Austria: +43 800 281336
Belgium: +32 2 700 63 06	Brazil: +55 21 2018 1004	Bulgaria: +359 2 906 6310
Canada: +1 867 6702867	Chile: +56 42 2457 999	China: +86 769 8886 4656
Columbia: +57 6015143104	Denmark: +45 78 76 84 61	Estonia: +372 8840469
Finland: +358 75 3252482	France: +33 4 26 69 99 66	Germany: +49 32 211 121 704
Hungary: +36 1 779 9162	India: +91 800 0403 230	Ireland: +353 1 443 4289
Italy: +39 800 177 870	Japan: +81 50-3204-4966	Lithuania: +370 5 214 3027
Malaysia: +60 16 699 9010	Morocco: +1 424 364 1128	Netherlands: +31 70 262 0282
New Zealand: +64 800 700 112	Mexico: +52 55 4440C1956	Norway: +47 23 25 25 84
Poland: +48 22 208 6439	Portugal: +351 308 807 018	Russia: +7 499 505 15 59
Singapore: +65 3138 1227	Slovenia: +386 828 80514	South Africa: +27 21 813 6854
South Korea: +82 003084910204	Spain: +34 965 02 04 58	Sweden: +46 8 446 824 11
Switzerland: +41 44 551 4362	Taiwan: +886 2 2656 5404	Turkey: +90 800 621 2394
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