

MATERIAL SAFETY DATA SHEET

Section 1. Product and Company Identification

Manufacturer: Seacoat Technology, LLC
31902 Industrial Park Dr.
Pinehurst, Texas, USA. 77362 USA
Tel: 832-237-4400
Fax: 832-237-4414

Material Name: Armor-SII R/G (PART A) Activator
MSDS NO. 092016ASRG-A

Section 2. Hazards Identification

Emergency overview

Form Liquid
Color clear to slightly yellow
Odor amine like

Symbols:



May cause eye tissue damage
Harmful or fatal if Swallowed

Potential Health affects

Eye Contact: irritating
May cause eye tissue damage if not removed quickly

Skin Contact: Moderately irritating

Inhalation: May cause respiratory tract irritation

Ingestion: may cause irritation to mouth, throat and stomach.

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MSDS NO. 092016ASRGA
CAS NO. N/A – Mixture

Section 3. Composition information

HAZARDOUS ingredients

Dibutyltin Dineodecanoate	CAS No.	251168-22-3	< 5%
3-Aminopropyltriethoxy silane	CAS No.	919-30-2	< 10%

Section 4. First aid measures

Skin Contact: wash with soap and water for at least 10 minutes. Remove contaminated clothing and wash thoroughly before re-use. Consult a doctor if skin irritation persists.

Inhalation: If breathing difficulty occurs remove affected person out into fresh air. Consult a physician if nose, throat or eye irritation persists.

Eye Contact: Rinse eyes thoroughly with fresh water for ten minutes. Use eye rinse solution. If irritation persists contact an ophthalmologist.

Ingestion: Rinse mouth thoroughly with water. Do not induce Vomiting. Give plenty of fluids (water). If discomfort persists, contact a physician.

Notes to Physician:

If substance is ingested in large amounts, apply therapy for chemical burn. Early endoscopy in order to assess mucosa lesions in the esophagus and stomach. If needed, aspirate left over substance.

Section 5. Fire fighting measures

Flash point	> 100 ° C	> 212 ° F	(TCC)
Auto ignition temperature	Not determined		
Lower Explosive limit %	Not determined		
Upper Explosive Limit %	Not determined		
Suitable extinguishing media	Foam, CO2, dry powder. Reacts with water and hydrolysis is exothermic.		
Specific hazards during firefighting	NOx from fire and fumes		
Special protective equipment for fire fighters	As in any fire, self contained positive pressure breathing apparatus, (MSHA,NIOSH) or approved equivalent and full protective gear.		

Section 6. Accidental release measures

Personal: Ensure proper ventilation. Avoid contact with skin and eyes.

Environmental: Follow local, state, federal and or provincial laws and regulations. Do not contaminate groundwater, soil streams, ponds or lakes.

Methods for cleanup: Use absorbent materials such as universal binder, saw dust, sand or other appropriate material. Place in marked container and sealed container for disposal in accordance with existing regulations.

Section 7. Handling and storage Use in well ventilated areas. Avoid direct skin and eye contact. Avoid breathing fumes or mist. Wash hands with soap and water after handling.

Storage store between 40 – 120 F

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Section 8. Exposure controls/ personal protection

Engineering controls	Provide good ventilation in confined areas.
Eye & face protection	Wear safety glasses with side shields.
Hand protection	Butyl rubber. Wear protective gear as needed.
Respiratory protection	Wear a NIOSH/MSHA approved respirator during application whenever workplace conditions warrant respirator use.
Hygiene measures	Avoid contact with skin, eyes and or clothing. Do not inhale vapors or mist. Do not eat, drink or smoke while using this product. Remove contaminated clothing and thoroughly wash before re-use

Section 9. Physical and chemical properties

Appearance	
Form	Liquid
Color	colorless to yellow
Odor	Pungent
Safety data	
PH	Not determined
Flash point	> 100° C >212° F
Melting point	Not determined
Boiling point	Not determined
Evaporation rate	<1 (n-BuAC=1)
Flammability limits in air	Not determined
Auto ignition Temperature	> 300° C > 572° F
Vapor density	>1 Air =1
VOC Mixed A & B	21.8 gr/Liter incl water and exempt compounds

Section 10. Stability and reactivity

Hazardous decomposition products	ethanol in case of hydrolysis
Hazard reactions	No dangerous reactions known
Additional information	Incompatibility with humidity, water, alkalis, acids.

Section 11. Toxicological Information

Sensitization	Possibility of skin sensitization may occur under prolonged exposure
Carcinogenicity	None
Gentoxicity	Not mutagenic
Toxicity to reproduction	No evidence of effects of reproductive/developmental toxicity.
Notes:	Prolonged exposure to spray mists can cause dizziness, nausea, headaches and be irritating to the eyes, respiratory tract and skin. Ingestion may cause gastrointestinal irritation or damage.

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Section 12. Ecological Information

The data we have available at our disposal does not necessitate identification as an environmentally hazardous substance. An environmental hazard may be considered due to unprofessional handling and or disposal.

Bioaccumulation Not bioaccumulative

Section 13. Waste disposal

Disposal method PART A in its individual state may be a hazardous waste when discarded or disposed of according to Federal regulations (40CFR 261.4 (b) (4). Under RCRA, it is the responsibility of the user of the product to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste. Do not allow this material into sewers and water supplies. Waste must be disposed of in accordance with Federal, state and local regulations.

Advice on disposal Mix all residual part A with Part B and allow it to cure fully in an open container. Cured product may be disposed of as a non hazardous solid waste.

Section 14. Transport information

DOT (Department of Transportation) UN 3267		CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.(3-aminopropyl-triethoxysilane)
Transport hazard Class		8
Packing group:	II	
Environmental Hazard	--	
Air Transport UN 3267	ICAO-TI/IATA –DGR	CORROSIVE LIQUID BASIC,ORGANIC, N.O.S. (3-aminopropyltriethoxysilane)
Transport hazard class		8
Packing Group	II	
Environmental hazard	--	
Special precautions for user:	Yes	
IATA-C:	EGR Code 8L	
IATA-P:	EGR Code 8L	

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SEA TRANSPORT IMDG	
UN 3267	CORROSIVE LIQUID, BASIC ORGANIC N.O.S.(3-aminopropyltriethoxysilane)
Transport hazard class	8
Packing group	II
Environmental hazard (Marine Pollutant)	--
Special precautions for user:	Yes
EmS	F-A,S-B
Clear of living quarters	
Keep separate from acids	

Section 15. Regulatory Information

OSHA Clean air act (112)	None listed
Cercla Reportable quantities	None listed
SARA TITLE III (311/312)	Fire: No Pressure: No Reactivity: No Acute: No Chronic: No
SARA TITLE III (313)	Xylene (mixed Isomers), standard reporting threshold.
TSCA	None Listed
California Proposition 65	None listed
International Chemical Inventory	USA (TSCA) Y Canada (DSL) Y Australia(AICS) Y Europe (EINECS)Y Japan (MITI) Y Korea (TCCL) Y China Y

Section 16. Other Information None

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