


Section 1. Product and Company Identification

Manufacturer	: Seacoat SCT, LLC 31902 Industrial Park Dr., Pinehurst, Texas, USA. 77362 USA Tel: 832-237-4400; Fax: 832-237-4414
Material Name	: Armor-Sil® R/G (Part A) Activator
MSDS No.	: 092016ASRG-A
CAS No.	: N/A - Mixture

Section 2. Hazards Identification

Emergency overview

Form	: Liquid
Color	: Clear to slightly yellow
Odor	: Amine like
Symbols	: 

Statements	: May cause eye tissue damage Harmful or fatal if Swallowed
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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

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 (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

Handling	: 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 5°C - 38°C (40°F - 100°F)

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
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
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.
Genotoxicity	: 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.

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
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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

Department of Transportation (DOT)

UN 3267	: CORROSIVE LIQUID BASIC, ORGANIC, N.O.S. (3-aminopropyl-triethoxysilane)
Transport hazard Class	: 8
Packing group	: II
Environmental Hazard	: --

Air Transport (ICAO-TI/IATA –DGR)

UN 3267	: CORROSIVE LIQUID BASIC, ORGANIC, N.O.S. (3-aminopropyltriethoxysilane)
Transport hazard class	: 8
Packing Group	: II
Environmental hazard	: --
Special precautions for use	: Yes
IATA-C	: EGR Code 8L
IATA-P	: EGR Code 8L

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 use	: Yes
EmS	: F-A, S-B

Note: 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) : Yes

Canada (DSL) : Yes

Australia (AICS) : Yes

New Zealand (NZIoC) : Yes

Europe (EINECS) : Yes

Japan (MITI) : Yes

Korea (TCCL) : Yes

China : Yes

Section 16. Other Information

Key to abbreviations

CERCLA : Comprehensive Environmental Response, Compensation, and Liability Act

IATA-DGR : The International Air Transport Association - Dangerous Goods Regulations

ICAO-TI : International Civil Aviation Organisation – Technical Instructions

IMDG : The International Maritime Dangerous Goods

MSDS : Material Safety Data Sheet

MSHA : Mine Safety and Health Administration

NIOSH : National Institute for Occupational Safety and Health

NOx : Nitrogen Oxide

OSHA : Occupational Safety and Health Administration

RCRA : Resource Conservation and Recovery Act

TCC : Tag Closed Cup

TSCA : Toxic Substances Control Act

VOC : Volatile Organic Compound

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