

MATERIAL SAFETY DATA SHEET

Identity (as used on label and list): SIL-ACT™ ATS-100 LV

Section 1

| | |
|--|---|
| Manufacturer's Name Advanced Chemical Technologies, Inc. Address 100 West Wilshire, Suite C-1 Oklahoma City, Oklahoma 73116 | Emergency Telephone Number (800) 255-3924 Telephone Number for Information (405) 843-2585 Date Prepared: February 1, 2010 |
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Section 2 - Hazardous Ingredients / Identity Information

| Hazardous Components : Specific Chemical Identity; Common Name(s) | OSHA PEL | ACGIH TLV | Other Limits |
|---|----------------|----------------|--------------|
| Alkoxysilane - CAS No. 3069-40-7 >90% | NE | NE | NE |
| Branched Octyltrimethoxysilane - CAS No. 905552-56-0 | NE | NE | NE |
| Diocyltetramethoxydisiloxane - CAS No. None | NE | NE | NE |
| Methanol - CAS No. 67-56-1 <0.2% | 200 ppm | 200 ppm | NE |
| Methanol Is Formed upon Contact with Moist Air. | | | |

Section 3 - Physical / Chemical Characteristics

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| Boiling Point: 191.5 C | Specific Gravity: 0.91 @ 25 C |
| Vapor Pressure (mm Hg) Not Determined | Percent Volatile by Volume: >95% |
| Vapor Density (Air = 1) Not Determined | Evaporation Rate: <1 |
| Solubility in Water: Reacts with Water | pH (Concentrate): NA |
| Appearance and Odor: Liquid, Colorless - Alcohol Odor | |

Section 4 - Fire and Explosion Hazard Data

FLAMMABILITY: NFPA 2

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| Flash Point (Method Used): 151.7 F / 66.5 C (Seta Closed Cup) | Flammable Limits: LEL NE UEL NE |
| Extinguishing Media: Dry Chemical, Polymer Foam, Carbon Dioxide | |
| Special Fire Fighting Procedures: Self Contained Breathing Apparatus (SCBA) and Protective Clothing Should be Worn with Fires Involving Chemicals | |
| Unusual Fire and Explosion Hazards: None Known | |

Section 5 - Reactivity Data

REACTIVITY: NFPA 0

| | | | |
|--|-----------|--------------------------|--------------------------------|
| Stability: | Unstable: | Stable: X | Conditions to Avoid: NA |
| Incompatibility: Material Reacts with Water, Strong Oxidizers and Reducers | | | |
| Hazardous Decomposition or By-Products: Silicon Dioxide, Carbon Dioxide and other Hydrocarbons | | | |
| Hazardous Polymerization: | May Occur | Will Not Occur: X | Conditions to Avoid: NA |

VOC Content, as applied, < 250 g/L (Method 24, ASTM D-5095)

No known applicable information

Section 11- Ecological Information

Environmental Fate and Distribution

Complete information is not yet available.

Environmental Effects

Complete information is not yet available.

Fate and Effects in Waste Water Treatment Plants

Complete information is not yet available.

Ecotoxicity Classification Criteria

| Hazard parameters (LC50 or EC50) | High | Medium | Low |
|----------------------------------|-------|-----------------|-------|
| Acute Aquatic Toxicity (mg/L) | <=1 | >1 and <=100 | >100 |
| Acute Terrestrial Toxicity | <=100 | >100 and <=2000 | >2000 |

This table is adapted from "Environmental Toxicology and Risk Assessment", ASTM STP 1179, p.34, 1993.

This table can be used to classify the exotoxicity of this product when ecotoxicity data is listed above. Please read the other information presented in the section concerning the overall ecological safety of this material.

Section 12- Disposal Considerations

Rcra Hazard Class (40 CFR 261)

When a decision is made to discard this material, as received, is it classified as a hazardous waste? Yes

State or local laws may impose additional regulatory requirements regarding disposal.

Call (405) 843-2585, if additional information is required.

Section 13-Transport Information**DOT Road shipment Information (49 CFR 172.101)**

Proper Shipping Name: Toxic, liquids, organics, n.o.s.
Hazard Technical Name: N-Octyltrimethoxysilane, Methanol
Hazard Class: 6.1
UN/NA Number: UN 2810
Packing Group: II
Hazard Label(s): Toxic

Ocean Shipment (IMDG)

Proper Shipping Name: Toxic, liquids, organics, n.o.s.
Hazard Technical Name: N-Octyltrimethoxysilane, Methanol
Hazard Class: 6.1
UN/NA Number: UN 2810
Packing Group: II
Hazard Label(s): Toxic

Air Shipment (IATA)

Proper Shipping Name: Toxic, liquids, organics, n.o.s.
Hazard Technical Name: N-Octyltrimethoxysilane, Methanol
Hazard Class: 6.1
UN/NA Number: UN 2810
Packing Group: II
Hazard Label(s): Toxic

Call Advanced Chemical Technologies, Inc., (405) 843-2585 if additional information is required.

Section 14-Regulatory Information

Contents of this MSDS comply with the OSHA Hazard Communication Standard 29 CFR 1910.1200.

TSCA Status: All chemical substances in this material are included on or exempted from listing on the the TSCA

Section 15- Other Information

Prepared by: Advanced Chemical Technologies, Inc.

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