



Section 1 – Identification

| | | | |
|---|---|--|----------------|
| SUPPLIER: | Superior Adhesives & Tools | NOTE: Blank spaces are not permitted. If no relevant information is found for any given subheading within a section, the SDS shall clearly indicate that no applicable information is available. | |
| ADDRESS: | 14000 Carlson Parkway Plymouth, MN 55441 | Emergency Telephone Number (CHEMTREC) | (800) 424-9300 |
| TELEPHONE: | 888-398-6595 | Telephone Number for Information | (888) 398-6595 |
| Product Identifier (as used on Label, SDS and list) Enhance & Seal Other means of identification: none | | Recommended use of the product: Apply onto various surfaces to promote water repellency. | |

Section 2 – Hazard Identification

| | | |
|-------------------------------|--------------|---------------------|
| Flammable liquids | Category: 2 | Signal Word: DANGER |
| Skin Corrosion/Irritation | Category: 3 | Signal Word: DANGER |
| Serious Eye Damage/Irritation | Category: 2B | Signal Word: DANGER |

| | |
|---|--|
|   | Hazard Statements: Flammable liquid and vapor. Causes mild skin irritation. Causes eye irritation. |
| | <p>Precautionary Statements:</p> <p>PREVENTION: Keep away from heat/sparks/open flames/hot surfaces – No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical / ventilating / light / equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wear protective gloves/protective clothing/eye protection/face protection.</p> <p>RESPONSE: IN EYES – Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. In case of fire, use an Class ABC dry extinguisher for extinction. If eye irritation persists: Get medical advice/attention. Wash hands thoroughly after handling. If skin irritation occurs: Get medical advice/attention.</p> <p>STORAGE: Store in a well-ventilated place. Keep cool.</p> <p>DISPOSAL: Dispose of contents/container per local regulations. A waste disposal company is suggested.</p> |

Section 3 – Composition/Ingredients (*= trade secret)

| Chemical Name | Common Name and synonyms | CAS No. | Percentage |
|---|--|------------|------------|
| Methylmethoxy siloxane with methyl silsesquioxane | Siloxanes and silicones, polymers w/me methoxy siloxanes | 68037-85-4 | 40-50 |
| Octyltriethoxysilane | | 2943-75-1 | 10-15 |
| Tetra n-butyl titanate | Titanium n-butoxide | 5593-70-4 | 1-3 |

Section 4 – First Aid Measures

| |
|---|
| INHALATION: If inhaled, move victim to fresh air. If symptoms result, get medical attention. |
| SKIN CONTACT: Remove contaminated clothing immediately and dispose of safely. When in contact with the skin, clean with soap and water. |
| EYE CONTACT: Immediately flush with COOL water for 15 minutes; Call a physician if irritation persists. |

Section 4 – First Aid Measures (continued)

INGESTION: Seek medical attention; Do NOT induce vomiting.

MOST IMPORTANT SYMPTOMS/EFFECTS: Acute: May possibly cause severe irritation to eyes if exposed to large amounts.

DELAYED: Repeated skin exposure can produce local skin destruction or dermatitis. Repeated or prolonged contact with spray or mist may produce chronic eye irritation and severe skin irritation.

IMMEDIATE MEDICAL ATTENTION/SPECIAL TREATMENT: Poison Center, Emergency Medical Services

PROTECTION FOR FIRST-AIDERS: A rescuer should wear personal protective equipment, such as rubber gloves and air-tight goggles.

Section 5 – Fire-Fighting Measures

SUITABLE EXTINGUISHING MEDIA: Fires should be extinguished using Foam, CO₂, or Dry Chemical (AB, BC, ABC) extinguishers

SPECIAL FIRE-FIGHTING PROCEDURES: Fire will form hazardous combustion gases of Carbon dioxide (CO₂), Carbon Monoxide(CO), and Nitrogen Oxides(NO_x). Product contains silicone, which is known to produce formaldehyde when temperatures reach in excess of 150 °C. Formaldehyde is a known skin, eye, and throat irritant as well as a potential cancer hazard.

FIREFIGHTER EQUIPMENT: Wear respirator and all protective coverings.

| Enhance & Seal | |
|-------------------------|----------|
| HEALTH | 2 |
| FLAMMABILITY | 2 |
| PHYSICAL HAZARDS | 0 |

NFPA Rating: Health: 2 Flammability: 2 Reactivity: 0

Section 6 – Accidental Release Measures

PERSONAL PRECAUTIONS: Keep unnecessary personnel away. Do not touch damaged containers or spilled material unless wearing appropriate PPE and protective clothing. Ensure adequate ventilation.

PROTECTIVE EQUIPMENT: If eye contact is expected while using this product, ANSI Z87 approved safety goggles are suggested. If skin exposure is possible, wear chemical resistant gloves and protective clothing.

EMERGENCY PROCEDURES: Prevent spills from entering drains and sewers. If spill is approaching any ignition or heat source, prepare for fire or evacuate area.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP: Small spills can be handled with simple absorbent material. Large spills may require diking to prevent flow into drains, waterways, etc. Absorb in vermiculite, cellulose, dry sand, or other similar material and place into containers for proper disposal. Only use non sparking tools during clean up procedures.

Section 7 – Handling and Storage

PRECAUTIONS FOR SAFE HANDLING: Product is Flammable; eliminate all sources of ignition, heat, and sparks. Ground/Bond containers and receiving equipment. Do not get in eyes, on skin, or clothing. Wash thoroughly after handling. Treat residue in used containers the same as you would product.

CONDITIONS FOR SAFE STORAGE INCLUDING INCOMPATIBILITIES: Keep container closed when not in use. Store in cool, dry area with adequate ventilation. Store away from oxidizers, and non-compatible materials.

Section 8 – Exposure Controls/Personal Protection

| Component | CAS | OSHA PEL; TWA |
|---|---------|---------------|
| Methanol; decomposition product | 67-56-1 | 200 ppm |
| Ethanol; decomposition product | 64-17-5 | 1000 ppm |
| <p>APPROPRIATE ENGINEERING CONTROLS: Use sufficient local exhaust ventilation, or other engineering controls to keep airborne concentrations of vapors below the OSHA PEL. General ventilation should be sufficient for most operations. Local exhaust ventilation may be necessary for some operations. Eyewash stations should be installed in immediate work area</p> <p>PERSONAL PROTECTIVE EQUIPMENT: Use ANSI-approved eye protection and chemical resistant gloves. Sealed goggles are recommended.</p> <p>RESPIRATORY PROTECTION: Where inhalation of mists or vapors is likely, a respirator equipped with an organic vapor cartridge and a HEPA filter is recommended if there is any chance of exceeding PEL's.</p> <p>EYE/FACE PROTECTION: Under normal conditions, wear safety goggles that meet the ANSI Z87.1 standard. In high use conditions wear ANSI-approved unvented safety goggles. DO NOT wear contact lenses.</p> <p>HAND PROTECTION: Chemical resistant gloves are recommended (vinyl, nitrile).</p> <p>PROTECTIVE CLOTHING: Wear long pants and long-sleeved shirts while working with this material.</p> | | |

Section 9 – Physical and Chemical Properties

| | |
|--|---|
| APPEARANCE: Liquid | ODOR: Aromatic |
| pH: N/A | MELTING PT: N/A |
| BOILING POINT: Not Applicable, will decompose before it will boil. | FLASH POINT: 70°F |
| FLAMMABILITY: N/A | EVAPORATION RATE: N/A |
| VAPOR DENSITY: All vapors are denser than air | RELATIVE DENSITY: 1.01 g/mL |
| VAPOR PRESSURE: N/A | EXPLOSIVE LIMITS: N/A |
| PARTITION COEFFICIENT: n-OCTANOL/WATER: N/A | VISCOSITY: 15-20 cP |
| DECOMPOSITION TEMPERATURE: >150°C | SOLUBILITY IN WATER: Not soluble in water |

Section 10 – Stability and Reactivity

| |
|--|
| <p>REACTIVITY: Product reacts with moisture in the air.</p> <p>CHEMICAL STABILITY: Product is completely stable unless exposed to contaminants.</p> <p>POSSIBILITY OF HAZARDOUS REACTIONS: Contact with water will release trace amounts of methanol. SEE TOXICOLOGICAL INFORMATION.</p> <p>CONDITIONS TO AVOID: Avoid contact with water and strong acid. Keep away from sources of heat as well as sources of ignition.</p> <p>INCOMPATIBLE MATERIALS: Water, acids, alkalis, iron, may react violently with electrophiles such as ferric chloride.</p> <p>HAZARDOUS DECOMPOSITION PRODUCTS: Hazardous combustion gases of Carbon dioxide (CO₂), Carbon Monoxide(CO), and Nitrogen Oxides(NO_x). Product contains silicone, which is known to produce formaldehyde when temperatures reach in excess of 150 °C. Formaldehyde is a known skin, eye, and throat irritant as well as a potential cancer hazard</p> |
|--|

Section 11 – Toxicological Information

| |
|--|
| <p>Routes of Entry: Inhalation: NOT EXPECTED Ingestion: YES Eye: YES Skin: YES</p> <p>SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS: Skin and/or eye irritation resulting in: rash, redness, swelling, itching, and possibly flushing. Possible hydrolyses on contact with moisture leaving solid polymeric silicone and titanium compounds in the eye.</p> <p>IMMEDIATE AND DELAYED EFFECTS: Eye and skin irritation.</p> <p>CHRONIC EFFECTS FROM SHORT-TERM AND LONG-TERM EXPOSURE: Repeated exposure may cause dermatitis, gastrointestinal complications, and optical disturbances.</p> <p>LC50/LD50: Oral LD50 rat: 5.628g/kg-Methanol; decomposition product Inhalation LC50 rat: 64000ppm/4Hr-Methanol; decomposition product Oral LD50 rat: 6.200g/kg-Ethanol; decomposition product</p> |
|--|

Section 11 – Toxicological Information (continued)

Inhalation LC50 rat: 8,001mg/L 4Hr-Ethanol; decomposition product

SENSITATION: Not Available. GERM CELL MUTAGENICITY: Not Available. CARCINOGENICITY: Not Available. REPRODUCTIVE TOXICITY: Not Available. STOST- SINGLE EXPOSURE: Not Available. STOST- REPEATED EXPOSURE: Category 2 hazard– for Methanol; decomposition product: May cause conjunctivitis, dizziness, sleeplessness, and gastrointestinal and optical disturbances. ASPIRATION HAZARD: Not Available.

Section 12 – Ecological Information (Non-mandatory)

ECOTOXICITY: Do not allow to enter soil, waterways or waste water canal. It is not allowed to be released into biological sewage treatment plants. Ecological data is not available.

BIO ACCUMULATIVE POTENTIAL: Not Available

OTHER ADVERSE EFFECTS (such as hazardous to the ozone layer): None known

PERSISTENCE AND DEGRADABILITY: Not Available

MOBILITY IN SOIL: Not Available

Section 13 – Disposal Considerations (Non-mandatory)

WASTE DISPOSAL OF SUBSTANCE:

Consult your local regional authorities. You may be able to burn in a chemical incinerator equipped with an afterburner and scrubber system. Observe all federal, state and local regulations when disposing of the substance.

CONTAINER DISPOSAL: Recycle to process, if possible.

RCRA: None listed

Section 14 – Transport Information (Non-mandatory)

DOT, IATA, IMO/IMDG SHIPPING INFORMATION

UN Identification Number: UN1993

DOT Shipping Name: "FLAMMABLE LIQUID N.O.S. – Silicone Mixture Contains Methanol and Ethanol"

Hazard Class: FLAMMABLE LIQUID

IMDG-P.S.N.: FLAMMABLE LIQUID N.O.S. (Methanol, Ethanol)

IATA-P.S.N.: FLAMMABLE LIQUID N.O.S. (Methanol, Ethanol)

IMDG-Class: Class 3

IATA-CLASS: Class 3

IMDG-Marine Pollutant: No

IATA-Packing Group: PG III

IMDG-Packing Group: PG III

Section 15 – Regulatory Information (Non-mandatory)

US SARA REPORTING REQUIREMENTS: The components of this product are subject to the reporting requirements of Section 302, 304, and 313 of Title III of the Superfund Amendments and Reauthorization Act, and are listed as follows:

| Hazardous Ingredient | SARA 302 (40 CFR 355, Appendix A) | SARA 304 (40 CFR Table 302.4) | SARA 313 (40 CFR 372.65) |
|---|--------------------------------------|----------------------------------|-----------------------------|
| Methylmethoxy siloxane with methyl silsesquioxane | No | No | No |
| Octyltriethoxysilane | No | No | No |
| Tetra n-butyl titanate | No | No | No |

SARA 311/312: Immediate and Delayed Health effects; Yes Fire Hazard; Yes Pressure; No

U.S. SARA THRESHOLD PLANNING QUANTITY: There are no specific Threshold Planning Quantities for the components of this product. The default Federal MSDS submission and inventory requirement filing threshold of 10,000 lbs(4,540 kg) therefore applies, per 40 CFR 370.20

U.S. CERCLA REPORTABLE QUANTITY (RQ): None

U.S. TSCA INVENTORY STATUS: These materials or all of their contents are listed on the Toxic Substances Control Act (TSCA).

TSCA SIGNIFICANT NEW USE RULE: None of the chemicals in this mixture have a SNUR under TSCA.

CLEAN AIR ACT: This material does not contain any hazardous air pollutants
 This material does not contain any Class 1 Ozone depletors
 This material does not contain any Class 2 Ozone depletors

CLEAN WATER ACT: None of the chemicals in this mixture are listed as Hazardous Substances under the CWA
 None of the chemicals in this mixture are listed as Priority Pollutants under the CWA
 None of the chemicals in this mixture are listed as Toxic Pollutants under the CWA

OSHA: None of the chemicals in this mixture are considered highly hazardous by OSHA

CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65): This product contains Methanol.

California No Significant Risk Level: None of the chemicals in this product are listed.

OTHER STATE SPECIFIC REGULATIONS:

Massachusetts Toxic Use Reduction Act: None

Pennsylvania Worker and Community Right to Know Act: None

New Jersey Worker and Community Right to know Act: None

Section 16 – Other Information

PREPARED BY: Bryan Cleavenger DATE PREPARED: May 28, 2015 LAST UPDATED: November 27, 2018
 EMAIL ADDRESS: Bryan@Cleavengercompliance.com

| | |
|---------------------|--|
| TRAINING NECESSARY: | Yes. Training under the OSHA HazCom GHS requirements (29 CFR 1910.1200) must be completed upon initial assignment for new employees. |
|---------------------|--|

| | |
|-------------------------------|---|
| INTENDED USE OF THIS PRODUCT: | This product is intended for use by skilled individuals at their own risk. The information contained herein is based on data considered accurate based on current state of knowledge and experience. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. |
|-------------------------------|---|

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of Superior Adhesives & Tools. The data on this sheet is only related to the specific material designated herein. Superior Adhesives & Tools assumes no legal responsibility for use or reliance on this data.