

Safety Data Sheet

91300 Hybrid Ceramic Sealant

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1. IDENTIFICATION

Product Name: Hybrid Ceramic Sealant

Product Name: 91300

Use of the Substance/Preparation:

Wax coating for various substrates exhibiting superhydrophobic characteristics

Supplier:

Stoner Incorporated

1070 Robert Fulton Hwy.

Quarryville , PA 17566

Telephone Number: 1-800-227-5538

24- Hour Emergency Phone: 1-800424-9300 (CHEMTREC)

2. HAZARDS IDENTIFICATION

Classification

Symbol(s) of Product



Signal Word

Danger

GHS HAZARD STATEMENTS

Flammable Liquid, Category 3	H226	Flammable liquid and vapour
Skin Irritant, Category 2	H315	Causes skin irritation
Eye Irritant, Category 2A	H319	Causes serious eye irritation
STOT, single exposure, Category 3	H335	May cause respiratory irritation

GHS LABEL PRECAUTIONARY STATEMENTS

P202 Do not handle until all safety precautions have been read and understood.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 Keep container tightly closed.
P235 Keep cool.

GHS SDS PRECAUTIONARY STATEMENTS

P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical/ventilating/lighting/equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P262 Do not get in eyes, on skin or on clothing.
P264 Wash hands/face thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

OTHER HAZARD (risk not included in classification)

Vapors may form explosive mixture with air.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	% by Wt	C.A.S. No.
Decamethylcyclopentasiloxane	87	541-02-6
Sucrose Esters of Fatty Acids	5	37318-31-3
tert-Butyl Acetate	2	540-88-5
Proprietary Polymer	5	-
Proprietary Additive	<1	-

4. FIRST AID MEASURES

Skin Contact: Wash thoroughly with soap and water. Remove contaminated clothing. Seek medical attention if redness, itching, or burning occurs.

Eye Contact: Flush eyes immediately with large amounts of water for 15 minutes holding eyelids open. Seek medical attention. Do not allow rubbing of eyes or keeping eyes closed.

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, cough, shortness of breath or other breathing problems occur, give oxygen. Seek medical attention if symptoms persist. If necessary, restore normal breathing through standard first aid measures.

Ingestion: Aspiration hazard. Do not induce vomiting or give anything by mouth because this material can enter the lungs and cause severe lung damage. Get medical attention immediately.

5. FIRE FIGHTING MEASURES

Flammable: Flash Point 77° C / 171° F PMCC

Extinguishing Medium: Carbon Dioxide, Dry Chemical, Alcohol Film Forming Foam, Dry Sand
Full protective equipment including self-contained breathing apparatus should be used.

Unusual Fire and Explosion Hazards: Closed containers may explode when exposed to extreme heat due to buildup of steam. Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. No unusual fire or explosion hazards noted.

Special Firefighting Procedures: Water may be used to cool closed containers to prevent pressure buildup and possible auto ignition or explosion. Evacuate area and fight fire from a safe distance. Use water spray to keep fire-exposed containers cool. Containers may explode when heated.

6. ACCIDENTAL RELEASE MEASURES

Steps to be Taken if Material is Released or Spilled: Remove all sources of ignition, ventilate area and remove with inert absorbent and non-sparking tools. Do not incinerate closed containers. Dispose of contaminated absorbent, container, and unused containers in accordance with local, state (provincial) and federal regulations.

7. HANDLING AND STORAGE

Handling: Wash thoroughly after handling. Remove contaminated clothing and launder before reuse. Use only with adequate ventilation. Follow all SDS/label precautions even after container is emptied because it may retain product residue. Avoid breathing fumes, vapors or mist. Avoid contact with eyes, skin and clothing.

Storage: Contents are flammable. Keep away from heat, sparks, open flame and sources of ignition. Ventilate area during use and until all vapors are gone. Keep in closed containers when not in use. Avoid excess heat. Do not store above 49° C / 120° F. Store large quantities in buildings designed and protected for storage of NFPA Class II combustible liquids.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name	CAS No.	Wt % Less Than	ACGIH TLV- TWA	ACGIH TLV-STEL	OSHA PEL-TWA	OSHA PEL- CEILING
Decamethylcyclopentasiloxane	541-02-6	87	N.E.	N.E.	N.E.	N.E.
Sucrose Esters of Fatty Acids	37318-31-3	5	10 mg/m ³	N.E.	N.E.	N.E.
tert-Butyl Acetate	540-88-5	2	200 ppm	N.E.	200 ppm	N.E.
Proprietary Polymer	---	5	N.E.	N.E.	N.E.	N.E.
Proprietary Additive	---	<1	N.E.	N.E.	N.E.	N.E.

PERSONAL PROTECTIVE EQUIPMENT

Engineering Controls: Use process enclosures, local exhaust ventilation or other engineering controls to control airborne levels below recommended exposure limits. Prevent build-up of vapors by opening all doors and windows to achieve cross-ventilation.

Respiratory Protection: Ventilate and employ and respiration protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements whenever workplace conditions warrant a respirator's use. A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure limits are not known, or in any other circumstances where air purifying respirators may not provide adequate protection.

Skin Protection: Repeated exposure may cause skin irritation and/or sensitization. Use gloves to prevent prolonged skin contact. Nitrile or Neoprene gloves may afford adequate skin protection.

Eye Protection: Wear eye protection designed to protect against splash of liquids.

Hygienic Practices: Wash thoroughly with soap and water before eating, drinking or smoking. Remove contaminated clothing immediately and launder before reuse.

Other Protective Equipment: Handle in accordance with sensible hygiene and safety practice. Refer to safety supervisor or industrial hygienist for further guidance regarding types of personal protective equipment and their applications.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear liquid

Physical State: Liquid

Color: Colorless

Odor: Odorless

Odor Threshold: Not established

pH: Not determined

Melting Point/Range: Not determined

Freezing Point/Range: Not determined

Boiling Point/Range: Not determined

Flash Point: 77° C, 171° F PMCC

Evaporation Rate: < 1

Flammability (solid, gas): Flammable liquid

Explosive Limits: Not determined

Vapor Pressure: Not determined

Vapor Density: Not determined

Solubility in Water: Negligible

Partition coefficient: n-octanol/water: Not determined

Auto-ignition Temperature: 392° C, 738° F

Decomposition Temperature: Not determined

Viscosity, dynamic: Not determined

Viscosity, kinematic: Not determined

Specific Gravity: Not determined

10. STABILITY AND REACTIVITY

Reactivity: Stable under recommended transport or storage conditions.

Chemical Stability: Stable under normal temperatures and pressures. Avoid temperatures above 49° C / 120° F.

Possibility of Hazardous Reactions: No dangerous reactions known.

Conditions to Avoid: Incompatible materials. Keep away from heat, sparks or open flame.

Incompatible Materials: Oxidizing agents, strong acids and strong alkalies.

Hazardous Decomposition Products: By open flame, carbon monoxide and carbon dioxide. When heated to decomposition, it emits acrid smoke and irritating fumes. Contains solvents which may form carbon monoxide, carbon dioxide and formaldehyde.

Hazardous Polymerization: Hazardous polymerization does not occur under normal conditions.

Mechanical Sensitivity (shock): Not sensitive to mechanical impact.

11. TOXICOLOGICAL INFORMATION

Product is a mixture of listed components.

CAS No.	Chemical Name	Oral LD50	Dermal LD50	Vapor LC50
541-02-6	Decamethylcyclopentasiloxane	>24,134 mg/kg Rat	N.A.	8.67 mg/l (Rat, 4hr)
37318-31-3	Sucrose Esters of Fatty Acids	N.A.	N.A.	N.A.
540-88-5	tert-Butyl Acetate	4100 mg/kg Rat	>2000 mg/kg Rabbit	>2230 mg/m3 (Rat, 4hr)
---	Proprietary Polymer	N.A.	N.A.	N.A.
---	Proprietary Additive	N.A.	N.A.	N.A.

Effects of Overexposure – Eye Contact: Causes serious eye irritation.

Effects of Overexposure – Skin Contact: Causes skin irritation. Allergic reactions are possible.

Effects of Overexposure – Inhalation: Harmful if inhaled. High gas, vapor, mist or dust concentrations may be harmful if inhaled. Avoid breathing fumes, spray, vapors or mist. High vapor concentrations are irritation to eyes, nose, throat and lungs. Prolonged or excessive inhalation may cause respiratory tract irritation.

Effects of Overexposure – Ingestion: Harmful if swallowed.

Effects of Overexposure – Chronic Hazards: High concentrations may lead to central nervous system effects (drowsiness, dizziness, nausea, headaches, paralysis and blurred vision) and/or damage. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage.

Primary Routes of Entry: Eye contact, inhalation, ingestion, skin absorption, skin contact.

12. ECOLOGICAL INFORMATION

Environmental Fate:

When released into the soil, this material is expected to readily biodegrade. When released into the soil, this material is expected to leach into groundwater. When released into the soil, this material is expected to quickly evaporate. When released into water, this material is expected to readily biodegrade. When released to water, this material is expected to quickly evaporate. This material has a log octanol-water partition coefficient of less than 3.0. This material is not expected to significantly bioaccumulate. When released into the air, this material may be moderately degraded by reaction with photochemically produced hydroxyl radicals. When released into the air, this material may be moderately degraded by photolysis. When released into the air, this material is expected to be readily removed from the atmosphere by wet deposition.

13. DISPOSAL CONSIDERATIONS

Disposal Methods: Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to an approved incinerator or disposed in a RCRA approved waste facility. Processing, use or contamination of this product may change the waste management options. 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. Do not contaminate any lakes, streams, ponds, groundwater, storm drains, sewer systems or soil.

Empty Containers: Empty containers retain product residue (liquid and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind or expose such containers to heat, flame, sparks, static electricity or other sources of ignition; they may explode or cause injury or death.

14. TRANSPORT INFORMATION

	Domestic (USDOT)	International (IMDG)	Air (IATA)	TDG (Canada)
UN number	NA 1993	--	--	--
UN proper shipping name	Combustible liquid, N.O.S.			
Hazard class	--			
Packaging group	III			
Notations	Applicable only on containers over 119 gal / 450 liters	Not subject to IMDG code.	Not subject to IATA regulations.	Not subject to TDG regulations.

15. REGULATORY INFORMATION

CALIFORNIA PROPOSITION 65

This product does not contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

TSCA CERTIFICATION

All chemicals in this product are listed, or are exempt from listing, on the TSCA Inventory.

HMIS Ratings: Health: 0 Flammability: 2 Physical Hazard: 0 Personal Protection: H
NFPA Ratings: Health: 0 Flammability: 2 Instability: 0

16. OTHER PRECAUTIONS

Other Information : SDS Prepared by L. Dean Swartz, SDS Coordinator

Version Date: 5/25/2022

This information contained in this SDS is believed to be accurate as of the version date, but is not warranted to be. Since the use of this information and the conditions of use of this product are not within the control of Stoner Inc, it is the user's obligation to determine the conditions of safe use.