



Safety Data Sheet

Surface Treating Silane

Section 1. Identification

Product Identifier Surface Treating Silane
Synonyms N/A
Manufacturer Stock Numbers PS200
Product Cas Blend

Recommended use N/A
Uses advised against N/A

Manufacturer Contact

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Section 2. Hazards Identification

Classification EYE DAMAGE/IRRITATION - Category 2B
FLAMMABLE LIQUIDS - Category 1
SKIN CORROSION/IRRITATION - Category 3
Signal Word Danger

Pictogram



Hazard Statements

Causes eye irritation
Causes mild skin irritation
Extremely flammable liquid and vapor
May cause respiratory irritation; or May cause drowsiness or dizziness

Precautionary Statements

Response

If eye irritation persists: Get medical advice/attention.
If 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): Take off immediately all contaminated clothing. Rinse skin with water/shower.
If skin irritation occurs: Get medical advice/attention.
In case of fire: Use appropriate media to extinguish.

Prevention

Keep away from heat.
Keep container tightly closed.
Take precautionary measures against static discharge.
Use explosion-proof electrical/ventilating/lighting/equipment.
Use only non-sparking tools.

Storage

Store in a well-ventilated place. Keep cool.

Disposal

Dispose of contents/container in accordance with all regulations.

Ingredients of unknown toxicity

0%

Hazards not Otherwise Classified

Acute Toxicity

Prolonged or repeated exposure and/or high concentrations of vapors will produce chemical burns and destruction of affected tissues. Respirable vapors or mist are irritating to the upper respiratory tract and bronchi. Inhalation may be fatal as a result of spasm, inflammation and edema of the lungs and larynx. Prolonged or widespread contact may result in the absorption of a potentially harmful amount of material. If ingested, this material may cause severe burns of the mouth, pharynx, esophagus and stomach.

Medical Conditions Aggravated

Exclude from exposure, any individual/s having a history of respiratory illness or pre-existing eye or skin conditions until a qualified medical physician determines otherwise.

Comments

It is recommended that exposure be minimized

Section 3. Ingredients

CAS	Ingredient Name	Weight %
123-42-2	Diacetone Alcohol	Unknown
100-37-8	2-(Diethylamino)ethanol	Unknown

75-65-0	Tertiary Butyl Alcohol	Unknown
112-04-9	n-Octadecyltrichlorosilane	Unknown

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First-Aid Measures

General	Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
Eye	Immediately flush eyes with plenty of water. Get medical attention if irritation persists.
Skin	Scrub with soap and water. Remove contaminated clothing and shoes.
Ingestion	Get medical attention immediately.
Inhalation	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Comments	If symptoms persist, get medical attention. Never give anything by mouth to an unconscious person.

Section 5. Fire Fighting Measures

Suitable Extinguishing Media	CO ₂ (Carbon Dioxide), Dry Chemical or AFFF (Aqueous Film Forming Foam) Extremely Flammable
Unsuitable Extinguishing Media	N/A
Fire fighting instructions	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Section 6. Accidental Release Measures

General Procedure	Absorb spilled material with suitable chemical binder. Shovel absorbent into suitable waste container. Do not wash into sewer or soil, groundwater or surface water.
Spill	Evacuate spill area of non-essential personnel. Ventilate the spill area. Cover liquid completely (smother) with dry Sodium Bicarbonate and blanket spill area with inert gas. Place spill material in dry, lined waste container before transporting for disposal. Keep all source of ignition away from spill area until clean-up is complete.
Special Protective Equipment	Wear appropriate personal protective equipment as specified in section 8.

Section 7. Handling and Storage

Handling	Container requires grounding during use
Storage.	Store in a cool and dry place. Store in a tightly sealed container under nitrogen. Protect from heat, direct sunlight and source of ignition. Store away from acidic, alkaline and oxidizing materials. Provide adequate ventilation.

Section 8. Exposure Controls/Personal Protection

Occupational Exposure Limits	Ingredient Name	ACGIH TLV	OSHA PEL	STEL
	Diacetone Alcohol	N/A	N/A	N/A
	2-(Diethylamino)ethanol	N/A	N/A	N/A
	Tertiary Butyl Alcohol	N/A	N/A	N/A
	n-Octadecyltrichlorosilane	N/A	N/A	N/A
Personal Protective Equipment	Goggles, Gloves, Respirator			
Engineering Controls	Facilities storing or utilizing this material should be equipped with an eyewash station and a safety shower. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.			
Eye and Face	Use non-venting chemical goggles			
Skin	Use impervious gloves. Use impervious clothing as necessary to protect against skin contact			
Respiratory	Local exhaust required. Explosion-proof mechanical ventilation required. If exposure exceeds TLV, use appropriate NIOSH approved respiratory protection.			
Work Hygienic Practices	General industrial hygiene practice			
Comments	To identify additional Personal Protective Equipment (PPE) requirements, it is recommended that a hazard assessment, in accordance with the OSHA PPE Standard (29 CFR 1910.132), be conducted before using this product.			

Section 9. Physical and Chemical Properties

Physical State	Liquid
Color	Amber
Odor	Characteristic
Odor Threshold	N/A
Solubility	Water Soluble
Partition coefficient Water/n-octanol	N/A
VOC%	N/A
Viscosity	N/A
Specific Gravity	0.9
Density lbs/Gal	N/A
Pounds per Cubic Foot	N/A
Flash Point	N/A
FP Method	N/A
pH	N/A
Melting Point	N/A
Boiling Point	82C @ 760 mm Hg
Boiling Range	N/A
LEL	N/A
UEL	N/A
Evaporation Rate	N/A
Flammability	N/A
Decomposition Temperature	N/A
Auto-ignition Temperature	N/A
Vapor Pressure	35 mm Hg @ 25C
Vapor Density	N/A

Section 10. Stability and Reactivity

Stability	(Under Normal Conditions) Stable under ordinary conditions of use and storage
Polymerization	Hazardous polymerization will not occur.
Conditions to avoid	Avoid contact with heat, sparks or open flame
Incompatible Materials	Oxidizing agents, alkali, acids and

Section 11. Toxicological Information

Comments	To the best of our knowledge, the toxicological properties have not been thoroughly investigated. Although we are unaware of any health or environmental risks from this material, exposure should be minimized.
Additional Information	Acute Oral LD50: May cause chemical burns. Effects undetermined. Treat as toxic Inhalation LC50: unknown Material may primarily effect the central nervous system and eyes by overexposure to vapors. Skin effects: avoid contact

Section 12. Ecological Information

Environmental Data	No information available
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Section 13. Disposal

Method	Incineration recommended. Follow all federal, state and local regulations.
Empty Container	Containers of this material may be hazardous when empty since they retain product residues (liquids). Observe all warnings and precautions listed for this product.
Regulatory Advisory	A credentialed and licensed waste disposal specialist should be consulted for disposal advice.

Section 14. Transport Information

UN Number	1993
UN Proper Shipping Name	Flammable Liquid, N.O.S. (Solution of Diacetone alcohol and T-Butanol)
DOT Classification	3
Packing Group	II

Section 15. Regulatory Information

TSCA

United States

TSCA (Toxic Substances Control Act)

Status: This product is listed on the TSCA inventory.

Section 16. Other Information

Revision Date

12/16/2022

Manufacturer Disclaimer

The data in this Safety Data Sheet relates only to the specific material(s) designated herein. It does not relate to use in combination with any other material or in any process.

Manufacturer
Supplemental Notes
Statement

All technical data is believed to be correct but does not purport to be all inclusive and shall be used only as a guide.

THE INFORMATION AND RECOMMENDATIONS CONTAINED IN THIS SAFETY DATA SHEET HAVE BEEN COMPILED FROM SOURCES BELIEVED TO BE RELIABLE AND TO REPRESENT THE BEST OPINION ON THE SUBJECT AS OF THE DATE ON THIS SHEET. HOWEVER, NO WARRANTY, GUARANTEE OR REPRESENTATION, EXPRESSED OR IMPLIED, IS MADE BY UCT, INC. AS TO THE CORRECTNESS OR SUFFICIENCY OF THIS INFORMATION OR TO THE RESULTS TO BE OBTAINED FROM THE USE THEREOF.

Additional Information

HMIS Rating:

Health - 2

Flammability - 3

Physical Hazard - 1

PPE - C

NFPA Codes:

Health Hazard - 2

Flammable Hazard - 3

Instability Hazard - 1