

SAFETY DATA SHEET

PRECISION LABORATORIES, LLC

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: **Tacheon™ Spread**
Supplier: Precision Laboratories, LLC
1429 S. Shields Dr.
Waukegan, IL 60085
Product Use: Silicone Surfactant, Spreader and Penetrant
Emergency telephone number: (Chemtrec Information 24 hours) (800) 424-9300
Customer Service, call: (847) 596-3001

2. HAZARDS IDENTIFICATION

GHS Classification:

Eye Irritation, Category 2A, H319

Acute Toxicity - Inhalation, Category 4, H332



H319,H332

Signal Word: Warning

Hazard Statements:

H319: Causes serious eye irritation.

H332: Harmful if inhaled.

Precautionary Statements:

Prevention

P101: If medical advice is needed, have product container or label at hand.

P102: Keep out of reach of children.

P103: Read label before use.

P261: Avoid breathing dust/fume/gas/mist/vapors/spray.

P264: Wash protective equipment and work clothes thoroughly after handling.

P271: Use only outdoors or in a well-ventilated area.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P284: Wear respiratory protection.

Response

P304+P340: If inhaled: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

P312: Call a poison center/doctor or Chemtrec if person feels unwell.

P337+P313: If eye irritation persists: Get medical attention or advice.

3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS Number</u>	<u>Weight %</u>
Poly(oxy-1,2-ethanediyl), α-methyl-ω-[3-[1,3,3,3-tetramethyl-1- [(trimethylsilyl)oxy]-1-disiloxanyl]propoxy]-	27306-78-1	70-95

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4. FIRST AID MEASURES

- If Swallowed: Rinse mouth. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Do not give any fluids to an unconscious person.
- In on Skin: Wash affected area with plenty of soap and water. Use tepid water if available. If skin irritation occurs: Get medical advice or attention.
- If Inhaled: Move person to fresh air. If person is having difficulty breathing, give oxygen. If not breathing, give artificial respiration. Call a poison center/doctor or Chemtrec if person feels unwell.
- If in Eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention or advice.
- Medical Conditions Aggravated by Overexposure: Repeated or prolonged exposure is not known to aggravate medical condition.
- Other Effects: This product is not a carcinogen by NTP, OSHA and ACGIH.
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5. FIREFIGHTING MEASURES

- Suitable Extinguishing media: Water spray (fog), dry chemical, alcohol-resistant foam, CO₂ to extinguish flames.
Do Not use water jet.
- Specific Hazards: In a fire or if heated, a pressure increase will occur and the container may burst. Decomposition products may include oxides of carbon and silicon. Measurements at temperatures above 302°F in the presence of air (oxygen) have shown that small amounts of formaldehyde are formed due to oxidative degradation. Use water spray to keep fire-exposed containers cool.
- PPE and Precautions: Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing.
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6. ACCIDENTAL RELEASE MEASURES

- In Case of Spill: Stop the flow of material, if this is without risk. Isolate area. Keep unnecessary personnel away. Evacuate the spill area, except for cleanup personnel. Wear personal protective equipment (PPE). Control spill with adsorbent pads or booms. Recover free liquid. For recovery or disposal, add inert absorbent (sand, earth, sawdust, etc.) to spill area and shovel into containers for disposal.
- Disposal: Product is slippery under foot; flush smooth surfaces thoroughly. Dispose of collected waste in accordance with federal, state and local regulations.
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7. HANDLING AND STORAGE

- Precautions to be Taken in Handling:** Keep container sealed when not in use. Safety goggles and eyewash recommended. USDA-accepted nitrile (CFR-20) or neoprene rubber (CFR-21) recommended. Wear appropriate clothing to prevent repeated or prolonged skin contact.
- Precautions to be Taken in Storage:** Product should be protected from direct sunlight and stored in a cool, dry, well ventilated area. Do not store together with food, beverage and animal feed.
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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Component Exposure Limits: None
- Eye/Face Protections: Wear protective eyewear. Contact lenses should not be worn when working with chemicals.
- Skin Protection: Wear long-sleeved shirt; long pants; socks; shoes; and barrier laminate, neoprene rubber, nitrile rubber or Viton[®] gloves.
- Respiratory Protection: None required where adequate ventilation conditions exist. If airborne concentrations are above the applicable exposure limits or respiratory irritation is experienced, use NIOSH approved respiratory protection.

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Note: When selecting personal protective equipment and clothing, follow all of the manufacturer specifications and recommendations that apply to your specific operation and processing conditions. Take into consideration all working conditions and all chemicals to be handled or processed. Eye wash fountains and drench showers should be located within a 10 second walk from the work area per ANSI Z358.1-2009.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Light yellow liquid	UEL:	N/Av
Odor:	Polyether	LEL:	N/Av
Odor Threshold:	N/Av	Vapor Pressure:	1-mmHg
pH:	5.4	Vapor Density:	> 1(Air = 1)
Melting Point:	30.2°F	Density:	8.40 lbs/gal
Boiling Point:	>302°F (Copolymer)	Solubility in water:	Dispersible
Flash Point:	>330.8°F (Closed cup)	Volatile organic content:	< 3% w/w
Evaporation Rate:	<1(n-BuAc = 1)	Autoignition Temperature:	633.2°F
Flammability:	N/Av	Decomposition Temperature:	N/Av

10. STABILITY AND REACTIVITY

Stability:	Stable
Possibility of Hazardous Reactions:	Hazardous polymerization will not occur.
Condition to Avoid:	No specific data
Incompatible Materials:	No specific data.
Hazardous Decomposition Products:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. TOXICOLOGICAL INFORMATION

Serious Eye Irritation:	OECD-Guidelines 405 (Acute Eye Irritation) (Rabbit): Irritating
Acute Oral Toxicity:	LD50 > 2,000-mg/kg (Rat)
Acute Inhalation:	(Aerosols) (5% Diluted aqueous solution) (Rat): > 11.78-mg/L, 4 hour
Acute Inhalation:	(Aerosols) (Rat): 2-mg/L, hour
Acute Dermal Irritation:	LD50 > 2,000-mg/kg (Rat)

12. ECOLOGICAL INFORMATION

Acute LC50:	6.8-mg/L (Zebrafish, 96 hours)
Acute EC50:	22.61-mg/L (Aquatic invertebrates – Water flea, 48 hours)
Acute NOEC:	10-mg/L (Aquatic invertebrates – Water flea, 48 hours)
Acute EC50:	32-mg/L (Aquatic plants - Pseudokirchneriella subcapitata, 96 hours)

This product is not readily biodegradable.

Aqueous abiotic hydrolysis expected to contribute to degradation – OECD 111. No known significant effects or critical hazards.

13. DISPOSAL CONSIDERATIONS

Component Waste Numbers:	No EPA Waste Numbers are applicable for this product's components.
Disposal Instructions:	All wastes must be handled in accordance with local, state and federal regulations. See Section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations.

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Container Reuse: An empty container can contain product residue, and should not be reused. If not professionally cleaned and reconditioned, crushing or other means is recommended to prevent unauthorized reuse.

14. TRANSPORT INFORMATION

DOT Shipping Name: Environmentally Hazardous Substance, Liquid, N.O.S. (Polyalkyleneoxide Modified Heptamethyltrisiloxane)

DOT Hazard Class: 9

DOT Label (S): 9

UN/NA Number: UN3082

Packing Group: III

IMDG Shipping Name: Environmentally Hazardous Substance, Liquid, N.O.S. (Polyalkyleneoxide Modified Heptamethyltrisiloxane)

Class: 9

IMDG-Labels: 9

UN Number: UN3082

Packing Group: III

EmS No.: F-A; S-F

IATA: Environmentally Hazardous Substance, Liquid, N.O.S. (Polyalkyleneoxide Modified Heptamethyltrisiloxane)

Class: 9

ICAO-Labels: 9MI

UN Number: UN3082

Packing Group: III

Special precautions for user: This substance/preparation meets the criteria of a Marine Pollutant (see IMDG paragraph 2.9.3.3), but is not identified in the IMDG Code (Marpol list). As such, substance/preparation shall be transported as a marine pollutant in accordance with the IMDG Code.

15. REGULATORY INFORMATION

TSCA: All components of this product are listed under the regulation of the Toxic Substance Control Act.

SARA 311/312 HAZARD: Immediate (acute) health hazard.

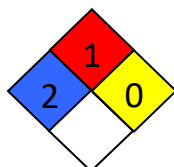
WHMIS (Canada): Class D-2B: Material causing other toxic effects (Toxic).

16. OTHER INFORMATION

HMIS Hazard Rating

HEALTH	2
FLAMMABILITY	1
REACTIVITY	0
PERSONAL PROTECTION	X

NFPA Rating



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Date Prepared: January 3, 2019

Date Updated: October 31, 2021

WHILE INFORMATION AND RECOMMENDATIONS SET FORTH HEREIN ARE BELIEVED TO BE ACCURATE AS OF THE DATE HEREON, PRECISION LABORATORIES, LLC MAKES NO WARRANTY WITH RESPECT THERETO AND DISCLAIMS ALL LIABILITY FROM RELIANCE THEREON.

N/R—Not Rated

N/D—Not Determined

N/A—Not Applicable

N/E—Not Established

EPA = Environmental Protection Agency; TSCA = Toxic Substance Control Act; ACGIH = American Conference of Governmental Industrial Hygienists; IARC = International Agency for Research on Cancer; NIOSH = National Institute for Occupational Safety and Health; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration., NJTSR = New Jersey Trade Secret Registry