

SAFETY DATA SHEET

Product Name: Plant-Tech HSMSO



(832) 843-3199

plantnetics.com

REFERENCE NUMBERS: PTHSMS01, PTHSMS02, PTHSMS30, PTHSMS55, PTHSMS265

SDS REVISION DATE: 10/18/2023

SECTION 1. IDENTIFICATION

1.1. PRODUCT IDENTIFIER

Product Name: PLANT-TECH HSMSO
Product Reference Number(s): PTHSMS1, PTHSMS02, PTHSMS30, PTHSMS55, PTHSMS265

1.2. RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

Intended Use: See Technical Data Sheet and Product Label

1.3. DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Company Name and Address: Plantnetics LLC, 15814 Champion Forest Drive, #191, Spring, TX 77379 • www.plantnetics.com • (832) 843-3199

1.4. 24-HOUR EMERGENCY TELEPHONE NUMBERS

CHEMTREC (transportation and spill): (800) 424-9300
POISON CONTROL CENTER (human health): (800) 222-1222

SECTION 2. HAZARD(S) IDENTIFICATION

2.1. HAZARD CLASSIFICATION(S)

Eye Damage/Irritation: Category 2

2.2. HEALTH HAZARD STATEMENT(S)

H319: Causes serious eye irritation.

2.3. SIGNAL WORD

WARNING

2.4. PICTOGRAM(S)



2.5. PREVENTION PRECAUTIONARY STATEMENT(S)

P264: Wash thoroughly after handling.
P280: Wear protective gloves / eye protection / face protection.

2.6. RESPONSE PRECAUTIONARY STATEMENT(S)

P305+351+338: IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do; continue rinsing.
P337+313: If eye irritation persists, get medical advice/attention.
P312: Call a poison center or doctor/physician if you feel unwell.

2.7. STORAGE PRECAUTIONARY STATEMENT(S)

No GHS Storage Statement(s)

2.8. DISPOSAL PRECAUTIONARY STATEMENT(S)

No GHS Disposal Statement(s)

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations. This product is a proprietary blend. In accordance with paragraph (i) of § 1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

3.1. INGREDIENT/CHEMICAL DESIGNATION

Proprietary Nonionic Surfactant CAS Number: Proprietary Weight %: 10 - 25 Notes: Substance classified with a health or environmental hazard.

SECTION 4. FIRST AID MEASURES

4.1. DESCRIPTIONS OF FIRST AID MEASURES

General: In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
Eyes: Irrigate copiously with clean fresh water for at least 10 minutes, holding the eyelids apart and seek medical attention.
Skin: Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser. Do NOT use solvents or thinners.
Ingestion: If accidentally swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.
Inhalation: Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention. Give nothing by mouth.

4.2. MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Overview: No adverse symptoms or effects anticipated under normal handling conditions. See Section 2 for further details.
Eyes: Causes serious eye irritation.
Ingestion: May be harmful if swallowed. (Not adopted by U.S. OSHA.)

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SECTION 5. FIRE-FIGHTING MEASURES

5.1. EXTINGUISHING MEDIA

Suitable Extinguishing Media: Alcohol resistant foam, CO₂, powder, water spray.
Non-Suitable Extinguishing Media: Do not use water jet.

5.2. SPECIFIC HAZARDS FROM BURNING SUBSTANCE

Combustion may yield smoke, carbon monoxide, and other products of incomplete combustion. Oxides of sulfur, nitrogen or phosphorus may also be formed.
Avoid breathing dust / fume / gas / mist / vapors / spray.

5.3. SPECIAL PROTECTIVE EQUIPMENT/PRECAUTIONS FOR FIREFIGHTERS

Evacuate area.
Prevent contamination from run-off of adjacent areas, streams, drinking water and sewers.
Do not flush down sewers or other drainage systems.
Exposed firefighters must wear standard protective equipment and in enclosed areas self-contained breathing apparatus.
Use water-spray to cool fire exposed surfaces and personnel.
ERG Guide No. 171

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1. PERSONAL PRECAUTIONS/PROTECTIVE EQUIPMENT

Ventilate the area and avoid breathing vapors or mists. Take the personal protective measures listed in Section 8 (8.2.).

6.2. EMERGENCY PROCEDURES

Keep all sources of ignition away from spill/release. In case of a major spill or spillage in a confined space, evacuate the area and check vapor levels.

6.3. METHODS AND MATERIALS FOR CONTAINMENT/CLEANUP PROCEDURES

Contain and absorb spillage with non-combustible materials (e.g. sand, earth, and vermiculite). Place in closed containers outside buildings and dispose of according to the Waste Regulations. (See Section 13). Clean, preferably with a detergent. Do not use solvents. Do not allow spills to enter drains or watercourses. If drains, sewers, streams or lakes are contaminated, inform the local water company immediately. In the case of contamination of rivers, streams or lakes the Environmental Protection Agency should also be informed.

SECTION 7. HANDLING AND STORAGE

7.1. PRECAUTIONS FOR SAFE HANDLING

Do not get in eyes on skin or on clothing. Do not breathe vapors or mists. Keep container closed. Use only with adequate ventilation. Use good personal hygiene practices. Wash hands before eating, drinking, smoking. Remove contaminated clothing and clean before re-use. Destroy contaminated belts and shoes and other items that cannot be decontaminated.

7.2. CONDITIONS FOR SAFE STORAGE

Store in tightly closed containers in dry, well-ventilated area away from excessive heat and incompatibles.

7.3. INCOMPATIBLE MATERIALS

Oxidizing agents.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. CONTROL PARAMETERS

Proprietary Nonionic Surfactant	CAS Number:	SOURCE: OSHA	VALUE: No Established Limit
	Proprietary	SOURCE: ACGIH	VALUE: No Established Limit
		SOURCE: NIOSH	VALUE: No Established Limit

8.2. CARCINOGEN DATA: This product contains the following ingredients (at greater than 0.1%) that are suspected of being or known to be a carcinogen under OSHA, NTP or IARC.

Proprietary Nonionic Surfactant	CAS Number: Proprietary	SOURCE: OSHA	Select Carcinogen: No
		SOURCE: ACGIH	Known: No / Suspected: No
		SOURCE: NIOSH	Group 1: No / Group 2a: No / Group 2b: No / Group 3: No / Group 4: No

8.3. EXPOSURE CONTROLS

Respiratory: If workers are exposed to concentrations above the exposure limit, they must use the appropriate certified respirators.
Eyes: Wear safety eyewear, (e.g. safety spectacles, goggles or visors) to protect against the splash of liquids.
Skin: Overalls which cover the body, arms and legs should be worn. Skin should not be exposed. All parts of the body should be washed after contact.
Engineering Controls: Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable, respiratory protection must be worn.
Other Work Practices: See Section 2 or technical data sheet for further details

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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Amber Liquid	Initial Boiling Point/Range:	Not Measured
Odor:	Not Measured	Melting Point/Range:	Not Measured
Odor Threshold:	Not Measured	Flammability (Solid, Gas):	Not Measured
pH:	5.05 (1%)	Upper Flammability/Explosive Limits:	Not Measured
Specific Gravity:	0.923	Lower Flammability/Explosive Limits:	Not Measured
Flashpoint and Method:	>200°F (>93.33°C) SCC	Decomposition Temperature:	Not Measured
Solubility in Water:	Not Measured	Auto-Ignition Temperature:	Not Measured
Viscosity (cSt):	Not Measured	Volatility:	Not Measured
Viscosity (kinematic):	Not Measured	Molecular Weight:	Not Measured
VOC%:	Not Measured	Oxidizing Properties:	Not Measured
Vapor Pressure (Pa):	Not Measured	Partition Co-Efficient n-octanol/water (Log Pow):	Not Measured
Vapor Density (air=1):	Not Measured	Evaporation Rate (Butyl Acetate=1):	Not Measured
Density (water=1):	Not Measured	Surface Tension:	Not Measured
Density (liquid):	Not Measured	Particle Size:	Not Measured
Freezing Point:	Not Measured	Other:	No Other Relevant Information

SECTION 10. STABILITY AND REACTIVITY

10.1. REACTIVITY

Not chemically reactive.

10.2. CHEMICAL STABILITY

Stable under normal ambient and anticipated conditions of use.

10.3. POSSIBLE HAZARDOUS REACTIONS

Hazardous reactions not anticipated.

10.4. CONDITIONS TO AVOID

Extended exposure to high temperatures can cause decomposition. Avoid all possible sources of ignition.

10.5. INCOMPATIBLE MATERIALS

Oxidizing agents.

10.6. HAZARDOUS DECOMPOSITION PRODUCTS

Not anticipated under normal conditions of use.

SECTION 11. TOXICOLOGICAL AND HEALTH EFFECTS INFORMATION

11.1. ATE (ACUTE TOXICITY ESTIMATE)

INGREDIENT(S)	ORAL LD50, mg/kg	SKIN LD50, mg/kg	INHALATION Vapour, LC50, mg/L/4hr	INHALATION Dust/Mist, LC50, mg/L/4hr	INHALATION Gas, LC50, ppm
Proprietary Nonionic Surfactant	>2,000.00	>5,000.00	>20.00	No Data Available	No Data Available

11.2. HEALTH HAZARD CLASSIFICATIONS AND HEALTH EFFECTS

Acute Toxicity (mouth):	Not Applicable	Not Applicable
Acute Toxicity (skin):	Not Applicable	Not Applicable
Acute Toxicity (inhalation):	Not Applicable	Not Applicable
Skin Corrosion/Irritation:	Not Applicable	Not Applicable
Eye Damage/Irritation:	Causes serous eye irritation.	Category 2
Sensitization (respiratory):	Not Applicable	Not Applicable
Sensitization (skin):	Not Applicable	Not Applicable
Germ Toxicity:	Not Applicable	Not Applicable
Carcinogenicity:	Not Applicable	Not Applicable
Reproductive Toxicity:	Not Applicable	Not Applicable
Specific Target Organ Systemic Toxicity-Single Exposure:	Not Applicable	Not Applicable
Specific Target Organ Systemic Toxicity-Repeated Exposure:	Not Applicable	Not Applicable
Aspiration Hazard:	Not Applicable	Not Applicable

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SECTION 12. ECOLOGICAL INFORMATION

12.1. TOXICITY DATA

No additional information provided for this product.

12.2. PERSISTENCE AND DEGRADABILITY

There is no data available on the preparation itself.

12.3. BIOACCUMULATION POTENTIAL

Not measured.

12.4. MOBILITY IN SOIL

No data available.

12.5. RESULTS OF PBT AND vPvB ASSESSMENT

This product contains no PBT/vPvB chemicals.

12.6. OTHER ADVERSE EFFECTS

No data available.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1. CONTAINER DISPOSAL/RECYCLING

Triple pressure rinse (or equivalent) during mixing and loading. Wastes and emptied containers should be disposed of in accordance with regulations made under the Control of Pollution Act and the Environmental Protection Act. Using information provided in this data sheet, advice should be obtained from the Waste Regulation Authority, whether the special waste regulations apply. Recycling decontaminated containers is the best option of container disposal. The Agricultural Container Recycling Council (ACRC) operates the national recycling program. To contact you state and local ACRC recycler, visit www.agrecycling.org.

13.2. PRODUCT DISPOSAL

Contents should be disposed of in accordance with regulations made under the Control of Pollution Act and the Environmental Protection Act. Dispose of contents in accordance with local and national regulations.

13.3. ENVIRONMENTAL PRECAUTIONS

Do not allow into drains or watercourses. Do not contaminate water sources by cleaning of equipment or disposal of wastewaters.

SECTION 14. TRANSPORT INFORMATION

This material is shipped as a Class 9, Packing Group III (Marine Pollutant) when each package meets or exceed 119 gallon (450 liters), otherwise it may be shipped as not regulated. (49 CFR 171.4(c)(1))

	DOT	IMDG	ICAO/IATA	CERCLA/DOT RQ
UN/NA NUMBER:	UN3082	UN3082	UN3082	Not Applicable
PROPER SHIPPING NAME:	UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S., (nonylphenol polyethylene glycol ether), 9, PG III	UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S., (nonylphenol polyethylene glycol ether), 9, PG III, MARINE POLLUTANT	UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S., (nonylphenol polyethylene glycol ether), 9, PG III	Not Applicable
TRANSPORT HAZARD CLASS:	9	9, Marine Pollutant	See Bill of Lading	Not Applicable
PACKING GROUP NUMBER:	III	III	See Bill of Lading	Not Applicable
ENVIRONMENTAL HAZARDS:	See Bill of Lading	Maine Pollutant: Yes	See Bill of Lading	Not Applicable

SECTION 15. REGULATORY INFORMATION

REGULATORY OVERVIEW:	The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.
TOXIC SUBSTANCE CONTROL ACT (TSCA):	All ingredients of this product are listed on the TSCA inventory, or are not required to be listed on the TSCA inventory.
WHMIS CLASSIFICATION:	Not regulated. This product contains no endocrine disrupting chemicals.
NATIONAL FIRE PREVENTION ASSOC (NFPA):	Health Hazards = 2 / Flammability = 1 / Instability = 0 / Special Hazards = NA
EPCRA 302-Extremely Hazardous (0.1%):	To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.
EPCRA 311/312-Chemicals and RQs (>0.1%):	To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.
EPCRA 313-Toxic Chemicals (>0.1%):	To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.
PROPOSITION 65-Carcinogens (>0.0%):	To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.
PROPOSITION 65-Developmental Toxins (>0.0%):	To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.
PROPOSITION 65-Female Repro Toxins (>0.0%):	To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.
PROPOSITION 65-Male Repro Toxins (>0.0%):	To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.
N.J. RTK SUBSTANCES (>1%):	To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.
PENN RTK SUBSTANCES (>1%):	To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

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SECTION 16. DISCLAIMER

The information in this Safety Data Sheet is provided in good faith and believed to be accurate as of the date issued. It pertains only to the product as shipped by Plantnetics. PLANTNETICS MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. It is the responsibility of the recipient and /or user of the product to study this Safety Data Sheet and to understand the information contained herein and any hazards associated with the product. Regulatory requirements are subject to change and may differ by jurisdiction. Therefore, it is the responsibility of the recipient and/or user of the product to ensure that its activities comply with all federal and state laws. Plantnetics assumes no responsibility for injury to the recipient and /or user or to any third party, or for damage to property.

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