

SAFETY DATA SHEET

Product Name: Plant-Tech NIS



(832) 843-3199

plantnetics.com

REFERENCE NUMBERS: PTNIS01, PTNIS02, PTNIS30, PTNIS55, PTNIS265

SDS REVISION DATE: 08/02/2024

SECTION 1. IDENTIFICATION

1.1. PRODUCT IDENTIFIER

Product Name: PLANT-TECH NIS
Product Reference Number(s): PTNIS01, PTNIS02, PTNIS30, PTNIS55, PTNIS265

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

LABEL ELEMENTS: Using the toxicity data listed in Sections 11 and 12, the product is labeled as follows:

2.1. HAZARD CLASSIFICATION(S)

Eye Irritant 2:
STOT RE 2:

2.2. HEALTH HAZARD STATEMENT(S)

H319: Causes serious eye irritation.
H373: May cause damage to organs [kidneys] through prolonged or repeated exposure.

2.3. SIGNAL WORD

WARNING

2.4. PICTOGRAM(S)



2.5. PREVENTION PRECAUTIONARY STATEMENT(S)

P280: Wear protective gloves and eye/face protection.
P260: Do not breathe dust, fume, mist, vapors or spray.

2.6. RESPONSE PRECAUTIONARY STATEMENT(S)

P314: Get medical advice or attention if you feel unwell.
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

2.7. STORAGE PRECAUTIONARY STATEMENT(S)

No GHS storage statements.

2.8. DISPOSAL PRECAUTIONARY STATEMENT(S)

P501: Dispose of contents/container in accordance with local/national regulations.

2.9. OTHER HAZARDS

This product contains no PBT/vPvB chemicals.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

This product contains the following substances that present a hazard within the meaning of the OSHA's Hazard Communication Standard (1910.1200) revised 2024 (GHS revision 7). The chemical identities and exact weight percentages are being withheld as a Trade Secret.

3.1 INGREDIENT/CHEMICAL DESIGNATION

Proprietary surfactant	CAS Number: Proprietary	Weight %: 7-13	Substance classified with a health or environmental hazard.
Proprietary solvent	CAS Number: Proprietary	Weight %: 3-7	Substance classified with a health or environmental hazard.
Proprietary surfactant	CAS Number: Proprietary	Weight %: 3-7	Substance classified with a health or environmental hazard.

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SECTION 4. FIRST AID MEASURES

Have the product container or label with you when calling a poison control center or doctor or going for treatment. Call CHEMTREC at 800-424-9300 for emergency medical treatment information.

4.1. DESCRIPTIONS OF FIRST AID MEASURES

General: Treat symptomatically. If medical advice is needed, have product container or label at hand.

Eyes: Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

Skin: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.

Ingestion: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

Inhalation: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

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

Overview: No adverse symptoms or effects anticipated under normal handling conditions. See Sections 2 and 7 for further details.

Inhalation: May cause damage to organs through prolonged or repeated exposure. Specific Target Organ: Kidney

Eyes: Causes serious eye irritation.

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. SPECIAL HAZARDS ARISING FROM THE SUBSTANCE/MIXTURE

Combustion may yield smoke, carbon monoxide, and other products of incomplete combustion. Oxides of sulfur, nitrogen or phosphorus may also be formed. Never use welding or cutting torches on or near container, even if empty.

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.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1. PERSONAL PRECAUTIONS/PROTECTIVE EQUIPMENT/EMERGENCY PROCEDURES

Ventilate the area and avoid breathing vapors or mists.

Take the personal protective measures listed in Section 8 (8.2.).

Keep all sources of ignition away from spill/release.

6.2. ENVIRONMENTAL PRECAUTIONS

In case of a major spill or spillage in a confined space, evacuate the area and check vapor levels. Do not allow spills to enter drains or water courses.

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 wash before reuse. Destroy contaminated belts and shoes and other items that cannot be decontaminated. Have eyewash accessible to use in handling area.

7.2. CONDITIONS FOR SAFE STORAGE

Store above 40°F. Do not allow product to freeze. Store in tightly closed containers in dry, well-ventilated area, away from excessive heat and incompatibles. See Section 2 for further details.

7.3. INCOMPATIBLE MATERIALS

Oxidizing agents.

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SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. OCCUPATIONAL EXPOSURE LIMITS

proprietary solvent	CAS Number: Proprietary	SOURCE: OSHA SOURCE: ACGIH SOURCE: NIOSH	VALUE: No Established Limit VALUE: No Established Limit VALUE: No Established Limit
proprietary surfactant	CAS Number: Proprietary	SOURCE: OSHA SOURCE: ACGIH SOURCE: NIOSH	VALUE: No Established Limit VALUE: No Established Limit VALUE: No Established Limit
proprietary surfactant	CAS Number: Proprietary	SOURCE: OSHA SOURCE: ACGIH SOURCE: NIOSH	VALUE: No Established Limit VALUE: No Established Limit VALUE: No Established Limit

8.2. EXPOSURE CONTROLS: The exposure limits for oil mist are: OSHA PEL 5 mg/m³ and ACGIH 5 mg/m³.

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 product label.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

The physical properties and reported values are typical values based on the material tested but may vary from sample to sample. Thus, typical values should not be construed as a guaranteed analysis of any specific lot/batch or specification item.

Appearance:	Hazy Light Yellow 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:	4.5-6.0 (1% dilution in distilled water)	Upper Flammability/Explosive Limits:	Not Measured
Specific Gravity:	0.98-1.04	Lower Flammability/Explosive Limits:	Not Measured
Flashpoint and Method:	>200°F (>93.33°C)	Decomposition Temperature:	Not Measured
Solubility in Water:	Complete	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):	8.67 lbs/gallon	Particle Size:	Not Measured
Freezing Point:	Not Measured	Other:	No other relevant information.

SECTION 10. STABILITY AND REACTIVITY

10.1. REACTIVITY

Thermally stable at typical use temperatures and in closed containers.

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.

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SECTION 11. TOXICOLOGICAL AND HEALTH EFFECTS INFORMATION

ACUTE TOXICITY ESTIMATE (ATE)

When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE.

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 Surfactant and Solvent	>2,000 mg/kg	>2,000 mg/kg	No Data Available	No Data Available	No Data Available

11.2. CARCINOGEN DATA

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

11.3. 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 serious 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:	May cause damage to organs through prolonged or repeated exposure.	Category: 2
Aspiration Hazard:	Not Applicable	Not Applicable

SECTION 12. ECOLOGICAL INFORMATION

12.1. ENVIRONMENTAL DATA

No data available / not established.

12.2. AQUATIC ECOTOXICITY

Ecotoxicity studies have not been conducted on this preparation.

12.3. PERSISTENCE AND DEGRADABILITY

No data available / not established.

12.4. BIOACCUMULATION POTENTIAL

No data available / not established.

12.5. MOBILITY IN SOIL

No data available / not established.

12.6. RESULTS OF PBT AND vPvB ASSESSMENT

This product contains no PBT/vPvB chemicals.

12.7. OTHER ADVERSE EFFECTS

Do not contaminate water supplies, lakes, streams, ponds or drains with this product.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1. WASTES/CONTAINER DISPOSAL

If wastes and/or containers cannot be disposed of according to the product label directions, disposal of this material must be in accordance with your local or area regulatory authorities. This information presented below only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations. If the material as supplied becomes a waste, follow all applicable regional, national and local laws.

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SECTION 14. TRANSPORT INFORMATION

	DOT	IMDG	ICAO/IATA	CERCLA/DOT RQ
UN/NA NUMBER:	Not Regulated	Not Regulated	Not Regulated	Not Regulated
PROPER SHIPPING NAME:	Not Regulated	Not Regulated	Not Regulated	Not Applicable
TRANSPORT HAZARD CLASS:	Not Applicable	Not Applicable	Not Applicable	Not Applicable
PACKING GROUP NUMBER:	Not Applicable	Not Applicable	Not Applicable	Not Applicable
ENVIRONMENTAL HAZARDS:	See Bill of Lading	Maine Pollutant: No	Not Applicable	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.
U.S. EPA TIER II HAZARDS:	Fire= NO / Sudden Release of Pressure= NO / Reactive= NO / Immediate (acute)= YES / Delayed (chronic)= YES
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%):	Ethane-1,2-diol
PROPOSITION 65-Female Repro Toxins (>0.0%):	Ethane-1,2-diol
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.
PROPOSITION 65-Label Warning:	 WARNING: This product can expose you to chemicals including [Ethane-1,2-diol], which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www. P65Warnings.ca.gov .
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.

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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