



SAFETY DATA SHEET

Issue Date: 05-Jun-2018

Revision Date: 09-Sep-2022

Version 1.01

1. Identification

Product identifier

Product Name: Nauxin

Other means of identification

Product Code: 54558

Recommended use of the chemical and restrictions on use

Recommended Use: Agricultural Applications or Further Manufacturing Use

Restrictions on Use: None known

Details of the supplier of the safety data sheet

Manufacturer: Monty's Plant Food Co Inc.
4800 Strawberry Lane
Louisville, KY 40209
502-489-9888

Emergency telephone number

Emergency Telephone: 1-502-489-9888

2. Hazard(s) identification

Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Reproductive toxicity

Category 1B

Hazards not otherwise classified (HNOC)

Not applicable

Label elements

Signal word: Danger

Hazard statements:

May damage fertility or the unborn child



Precautionary Statements - Prevention:

Obtain special instructions before use

Do not handle until all safety precautions have been read and understood

Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response:

IF exposed or concerned: Get medical advice/attention

Precautionary Statements - Storage:

Store locked up

Precautionary Statements - Disposal:

Dispose of contents/container to an approved waste disposal plant

Unknown Acute toxicity:

Not applicable

Other Information

Not applicable

3. Composition/information on ingredients

Chemical name	CAS No	Weight-%
Trade Secret 1	Trade secret	Proprietary
Trade Secret 2	Trade secret	Proprietary
Trade Secret 3	Trade secret	Proprietary
Trade Secret 4	Trade secret	Proprietary
Trade Secret 5	Trade secret	Proprietary
Trade Secret 6	Trade secret	Proprietary
Trade Secret 7	Trade secret	Proprietary
Trade Secret 8	Trade secret	Proprietary
Trade Secret 9	Trade secret	Proprietary
Trade Secret 10	Trade secret	Proprietary
Trade Secret 11	Trade secret	Proprietary

Any concentration shown as a range is due to batch variation or the exact percentage has been withheld as a trade secret.

4. First-aid measures**Description of first aid measures****General advice**

Show this safety data sheet to the doctor in attendance.

Inhalation

Remove to fresh air. If symptoms persist, call a physician.

Eye contact

Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

Skin contact

Immediately flush eyes or skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash contaminated clothing before reuse. Destroy or thoroughly clean contaminated shoes. If skin irritation persists, call a physician.

Ingestion

Clean mouth with water and drink afterwards plenty of water. If symptoms persist, call a physician.

Most important symptoms and effects, both acute and delayed**Symptoms**

No information available.

Indication of any immediate medical attention and special treatment needed**Note to physicians**

Treat symptomatically.

5. Fire-fighting measures**Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Large Fire

CAUTION: Use of water spray when fighting fire may be inefficient.

Unsuitable extinguishing media	Do not scatter spilled material with high pressure water streams.
Specific hazards arising from the chemical	No information available.
Hazardous combustion products	Carbon oxides. Potassium Oxides. Manganese oxides. Oxides of sulfur. Oxides of boron. Nitrogen oxides (NO _x). Hazardous metal fumes and oxides. Ammonia.
Explosion Data	
Sensitivity to mechanical impact	None.
Sensitivity to static discharge	None.
Special protective equipment for fire-fighters	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions Ensure adequate ventilation.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Dike far ahead of liquid spill for later disposal. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly. After cleaning, flush away traces with water.

7. Handling and storage

Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Remove contaminated clothing and shoes.

Conditions for safe storage, including any incompatibilities

Storage Conditions Store locked up. Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible Materials Strong oxidizing agents, strong acids, and strong bases. Galvanized steel. Copper. Copper alloys.

8. Exposure controls/personal protection

Control parameters

Exposure Limits The following ingredients are the only ingredients of the product above the cut-off level (or level that contributes to the hazard classification of the mixture) which have an exposure limit applicable in the region for which this safety data sheet is intended or other recommended limit. At this time, the other relevant constituents have no known exposure limits from the sources listed here.

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Trade Secret 5	TWA: 1 mg/m ³ Fe	(vacated) TWA: 1 mg/m ³ Fe	TWA: 1 mg/m ³ Fe
Trade Secret 7	-	(vacated) Ceiling: 5 mg/m ³ Ceiling: 5 mg/m ³ Mn	IDLH: 500 mg/m ³ Mn TWA: 1 mg/m ³ Mn STEL: 3 mg/m ³ Mn
Trade Secret 9	STEL: 6 mg/m ³ inhalable particulate matter TWA: 2 mg/m ³ inhalable particulate matter	-	-

Trade Secret 10	STEL: 6 ppm TWA: 3 ppm	TWA: 3 ppm TWA: 6 mg/m ³ (vacated) TWA: 3 ppm (vacated) TWA: 8 mg/m ³ (vacated) STEL: 6 ppm (vacated) STEL: 15 mg/m ³	IDLH: 30 ppm TWA: 3 ppm TWA: 8 mg/m ³ STEL: 6 ppm STEL: 15 mg/m ³
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Exposure Guidelines Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

Appropriate engineering controls

Engineering controls

Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection

Tight sealing safety goggles.

Hand protection

Wear suitable gloves.

Skin and body protection

Wear suitable protective clothing.

Respiratory protection

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced and ventilation is insufficient, a suitable respirator or evacuation may be required.

Environmental exposure controls

Do not allow into any sewer, on the ground or into any body of water.

General hygiene considerations

Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product.

9. Physical and chemical properties

Information on basic physical and chemical properties

Physical State:	Liquid
Appearance:	No information available
Color:	No information available
Odor:	No information available
Odor Threshold:	No information available
pH:	No information available
Salt Out Point:	No information available
Melting Point/Freezing Point:	No information available
Boiling Point/Boiling Range:	No information available
Flash Point:	No information available
Evaporation Rate (BuAc=1):	No information available
Flammability (solid, gas):	No information available
Flammability Limits in Air:	No information available
Vapor Pressure (mm Hg):	No information available
Vapor density (Air =1):	No information available
Specific Gravity (H₂O=1):	No information available
Water Solubility:	No information available
Solubility(ies):	No information available
Partition Coefficient (n-octanol/water):	No information available
Autoignition Temperature:	No information available
Decomposition Temperature:	No information available
Kinematic Viscosity:	No information available
Dynamic Viscosity:	No information available

Other information

Explosive properties No information available

Oxidizing properties No information available
Molecular Weight: N/A

10. Stability and reactivity

Reactivity No information available.

Chemical stability Stable under normal conditions.

Possibility of hazardous reactions None under normal processing.

Conditions to avoid Exposure to air or moisture over prolonged periods.

Incompatible Materials Strong oxidizing agents, strong acids, and strong bases. Galvanized steel. Copper. Copper alloys.

Hazardous decomposition products Carbon oxides. Nitrogen oxides (NO_x). Sulfur oxides. Metal oxides. Boron oxides. Potassium Oxides. Ammonia.

11. Toxicological information

Information on likely routes of exposure

Product Information

Inhalation Specific test data for the substance or mixture is not available.

Eye contact Specific test data for the substance or mixture is not available.

Skin contact Specific test data for the substance or mixture is not available.

Ingestion Specific test data for the substance or mixture is not available.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available.

Numerical measures of toxicity

Acute Toxicity:

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) 7,551.60 mg/kg
ATEmix (dermal) 8,852.20 mg/kg

Component Information

Chemical name	Oral LD ₅₀ :	Dermal LD ₅₀ :	LC ₅₀ (Lethal Concentration):
Trade Secret 1	= 3250 mg/kg (Rat)	> 20000 mg/kg (Rabbit)	-
Trade Secret 3	= 8471 mg/kg (Rat)	-	-
Trade Secret 4	-	> 2000 mg/kg (Rabbit)	-
Trade Secret 6	= 2840 mg/kg (Rat)	> 2000 mg/kg (Rat)	-
Trade Secret 7	> 2000 mg/kg (Rat)	-	-
Trade Secret 9	= 2660 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 2.12 mg/L (Rat) 4 h
Trade Secret 10	= 1720 mg/kg (Rat)	= 1000 mg/kg (Rabbit)	> 1.3 mg/L (Rat) 6 h
Trade Secret 11	> 90 mL/kg (Rat)	-	-

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation	No information available.
Serious eye damage/eye irritation	No information available.
Respiratory or skin sensitization	No information available.
Germ cell mutagenicity	No information available.
Carcinogenicity	This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.
Reproductive toxicity	Classification based on data available for ingredients.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Aspiration hazard	No information available.
Other Adverse Effects:	No information available.

12. Ecological information

Ecotoxicity The environmental impact of this product has not been fully investigated.

Chemical name	Toxicity to algae	Toxicity to fish	Toxicity to microorganisms	Toxicity to daphnia and other aquatic invertebrates
Trade Secret 1	-	6800 mg/L (LC50 96 h semi-static - <i>Oncorhynchus mykiss</i>)	-	-
Trade Secret 3	-	16200 - 18300 mg/L (LC50 96 h - <i>Poecilia reticulata</i>)	-	3910 mg/L (EC50 48 h Static - <i>Daphnia magna</i>)
Trade Secret 6	-	250 mg/L (LC50 96 h - <i>Brachydanio rerio</i>) 480 mg/L (LC50 96 h flow-through - <i>Brachydanio rerio</i>) 420 mg/L (LC50 96 h semi-static - <i>Brachydanio rerio</i>) 18 mg/L (LC50 96 h - <i>Cyprinus carpio</i>) 32.2 - 41.9 mg/L (LC50 96 h flow-through - <i>Oncorhynchus mykiss</i>) 5.2 - 8.2 mg/L (LC50 96 h static - <i>Oncorhynchus mykiss</i>) 100 mg/L (LC50 96 h - <i>Pimephales promelas</i>) 123 - 128 mg/L (LC50 96 h semi-static - <i>Poecilia reticulata</i>) 126 mg/L (LC50 96 h - <i>Poecilia reticulata</i>)	-	14 mg/L (LC50 48 h - <i>Daphnia magna</i>)
Trade Secret 9	-	-	-	115 - 153 mg/L (EC50 48 h - <i>Daphnia magna</i>)

Trade Secret 10	15 mg/L (EC50 72 h - Desmodesmus subspicatus)	227 mg/L (LC50 96 h flow-through - Pimephales promelas) 3684 mg/L (LC50 96 h static - Brachydanio rerio) 300 - 1000 mg/L (LC50 96 h static - Lepomis macrochirus) 114 - 196 mg/L (LC50 96 h static - Oncorhynchus mykiss) 200 mg/L (LC50 96 h flow-through - Oncorhynchus mykiss)	-	65 mg/L (EC50 48 h - Daphnia magna)
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Persistence and Degradability: No information available.

Bioaccumulation: There is no data for this product.

Component Information

Chemical name	Partition Coefficient:
Trade Secret 3	<-1.73
Trade Secret 6	-5.1
Trade Secret 9	-1.09
Trade Secret 10	-2.3

Mobility: No information available.

Other Adverse Effects: No information available.

13. Disposal considerations

Waste treatment methods

Waste from residues/unused products

Dispose of in accordance with local, state, and national regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging

Do not reuse empty containers.

14. Transport information

DOT

Description

Not DOT Regulated

15. Regulatory information

International Inventories

Chemical name	TSCA	AICS	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS
Trade Secret 1	Present ACTIVE	Present	Present	-	Present	-	Present	Present	Present	Present
Trade Secret 2	Exempt	-	-	-	-	-	-	-	-	-
Trade Secret 3	Present ACTIVE	Present	Present	-	Present	-	Present	Present	Present	Present

Trade Secret 4	Present ACTIVE	Present	Present	-	Present	-	Present	Present	Present	Present
Trade Secret 5	Present ACTIVE	Present	Present	-	Present	-	Present	Present	Present	Present
Trade Secret 6	Present ACTIVE	Present	Present	-	Present	-	Present	Present	Present	Present
Trade Secret 7	Present ACTIVE	-	Present	-	Present	-	-	Present	-	-
Trade Secret 8	Present ACTIVE	-	-	Present	Present	-	-	Present	-	Present
Trade Secret 9	Present ACTIVE	Present	Present	-	Present	-	Present	Present	Present	Present
Trade Secret 10	Present ACTIVE	Present	Present	-	Present	-	Present	Present	Present	Present
Trade Secret 11	Present ACTIVE	Present	Present	-	Present	-	Present	Present	Present	Present

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

AICS - Australian Inventory of Chemical Substances

DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Chemical name	SARA 313 - Threshold Values %
Ferric ammonium EDTA 21265-50-9	1.0
Ammonium sulfate 7783-20-2	1.0
Zinc EDTA, diammonium 67859-51-2	1.0

SARA 311/312 Hazard Categories

Under the amended regulations at 40 CFR 370, EPCRA 311/312 Tier II reporting for the 2017 and later calendar years will need to be consistent with updated hazard classifications.

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

Clean Water Act (CWA)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

Chemical name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Trade Secret 8	-	X	-	-

OSHA - Process Safety Management - Highly Hazardous Chemicals

This product does not contain any substances regulated under Process Safety Management (29 CFR 1910.119).

Department of Homeland Security - Chemical Facility Anti-Terrorism Standards (CFATS)

This product does not contain any substances regulated under the Chemical Facility Anti-Terrorism Standards (6 CFR 27).

16. Other information

Prepared By: HSE Department
Issue Date: 05-Jun-2018
Revision Date: 09-Sep-2022
Revision Note: SDS sections updated. 15.

Disclaimer:

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet