SAFETY DATA SHEET

Section 1: Identification

Product identifier: MAXX 422
Other means of identification: Specialty Booster
SDS number: 3021
Recommended use: Laundry
Recommended restrictions: Not for personal care
Manufacturer/Importer/Supplier/Distributor information

Company name:	UNX Industries, Inc.
Address:	707 Arlington Blvd Greenville, NC 27858
Telephone:	Office hours (Mon-Fri) 8:00a.m. – 4:00p.m. (Eastern Time) OFFICE NUMBER: 252-756-8616
E-mail:	unx@unxinc.com

Emergency phone number: CHEMTEL (800) 255-3924 (24 HOURS)

Section 2: Hazard(s) identification

Classification of the substance or mixture:

Physical hazards:

H226	Combustible liquid

Health hazards:

Acute toxicity: Inhalation, Oral	Category 4
Skin corrosion/irritation:	Category 2
Serious eye damage/eye irritation:	Category 2B

Label elements:

Signal word: Warning

Hazard statements:

H302+H312+H332	Harmful if swallowed, in contact with skin or if inhaled.
H315	Causes skin irritation.
H320	Causes eye irritation.

Section 2: Hazard(s) identification (continued)

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/fumes/gas/mist/vapors/spray.
P264	Wash hands, arms, face and exposed skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P301+P317	IF SWALLOWED: Get medical help.
P302+P352	IF ON SKIN: Wash with plenty of water for at least 15 minutes.
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.
P332+P317	If skin irritation occurs: Get medical help.
P337+P317	If eye irritation persists: Get medical help.
P362+P364	Take off contaminated clothing and wash it before reuse.

Storage: No specific instructions.

Disposal:

P501	Dispose of contents/container in accordance with local / regional / national / international Regulations.

Hazard(s) not otherwise Classified (HNOC) Not classified

Section 3: Composition/information on ingredients

Substance/Mixtures

Chemical name	CAS Number	Concentration (%)
Water	7732-18-5	40-70
Nonylphenol polyethylene glycol ether	127087-87-0	5-15
Diethylene glycol monobutyl ether	112-34-5	5-15

Section 4: First aid measures

Non-emergency personnel

General advice: Safely remove victims from the danger zone. Provide emergency services with this safety data sheet.

Eye contact: Rinse with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists, get medical attention.

Skin contact: Rinse with plenty of water.

Ingestion: Rinse mouth with plenty of water, do not induce vomiting. Get medical attention if symptoms occur.

Inhalation: Bring victim out to fresh air. If the person is unconscious or symptoms occur, get medical attention immediately.

Emergency personnel

Personal protection: Refer to Section 8 for specific personal protective equipment.

Notes to physician: The concentration and length of exposure impacts the severity of the symptoms.

Most important symptoms/effects, acute and delayed: Refer to Section 2 for hazards and Section 11 for information on health effects and symptoms. Treat symptomatically.

Indication of immediate medical attention and special treatment needed, if necessary: Provide general supportive measures. Eye contact, inhalation, and ingestion cases should be treated immediately. Have procedures and facilities in place to treat these cases of exposure.

Section 5: Fire-fighting measures

Suitable extinguishing media: Use measures that are suitable for the current situation. If fire is present, use water or an extinguisher if available. Do not use highly pressurized water to avoid spread.

Unsuitable extinguishing media: Do not use a water jet as this can spread the fire. Do not use carbon dioxide in enclosed spaces with insufficient ventilation.

Specific hazards arising from the chemical: Burning releases oxygen, sodium ions, silicic acid and oxides of phosphorus/sodium. Do not breath in the fumes caused by the fire. Move container of the product that are not exposed to the fire if able to do so safely. Containers can melt from the heat and the combustible material may provide fuel to the fire. Withdraw immediately in cases of rising sound from venting safety device or discoloration of tanks. For massive fire in cargo, use unmanned hose holder or monitor nozzles. If not, withdraw and let fire burn out.

Special protective equipment for fire fighters: Wear full protective airtight garment and NIOSH approved self-contained breathing apparatus with independent air-supply. Fight the fire in early stages if safe to do so. Provide sufficient ventilation and be aware of hydrogen generation upon reactions with some metals. Do not allow contaminated extinguishing water to enter the soil, ground-water or surface waters.

Section 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures: Ventilate and restrict access to the area of leak or spill. Have emergency procedures in place for treating incidents, evacuation and informing the emergency services. Refer to Section 8 for personal protective equipment.

Environmental precautions: Clean up spills/leaks immediately and prevent it from spreading. Large or uncontrolled spills to water systems must be reported to appropriate regulatory body.

Methods and materials for containment and cleaning up: Absorb spills with non-combustible absorbent. Dam and absorb with sand, earth or other inert material for large spills/leaks. Collect spillage in containers with labeled contents and dispose according to local regulations. Flush the contaminated area with lots of water.

Section 7: Handling and storage

Precautions for safe handling: Refer to Section 8 for personal protective equipment. Do not eat, drink or smoke when handling the product. Avoid skin and eye contact. Follow general hygiene routines after working with the product. When handling large amounts of the product, be sure to have a safety shower nearby.

Conditions for safe storage: Store in a suitable, closed and labeled container upright at temperature between 40°F and 100°F in a well-ventilated area. Opened containers must be properly resealed to avoid spillage. Store away from heat, direct sunlight and moisture. It is preferred to keep the container on sump pallets. Store in high-density polyethylene containers. See Section 10 for incompatible materials.

Section 8: Exposure control/personal protection

Control Parameters/ Occupational exposure limits

U.S. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Chemical Name	CAS-No.	Type	Value
Diethylene glycol monobutyl ether	112-34-5	DOW IHG/ TWA	35 ppm

U.S. ACGIH Threshold Limit Values

Chemical Name	CAS-No.	Type	Value
Diethylene glycol monobutyl ether	112-34-5	TWA	10 ppm

Appropriate engineering controls/ ventilation system:
A general exhaust system is recommended to keep employee exposures below the limits. An additional local exhaust system is preferred in order to control emissions at its source.

Personal protective equipment (PPE)
Respiratory protection: A NIOSH approved full-face respirator with high efficiency dust/mist filter is recommended. For emergencies or when dealing with unknown exposure measures, use a full-face piece positive-pressure, air-supplied respirator fitted with a suitable cartridge for the chemical. Consult respirator supplier regarding the compatibility of the equipment. CAUTION: Air purifying respirators do not protect the user in oxygen deficient atmospheres, use an air supply system.

Section 8: Exposure control/personal protection (continued)

Hand protection: Impervious gloves, with suitable protection for workplace, are recommended any time the product is being handled. Consult glove supplier for details on suitability, breakthrough time and permeability. Frequent change of the gloves is advisable. Be aware that latex gloves can trigger an allergic reaction to sensitive individuals.

Eye protection: Use chemical safety goggles and/or full-face shield when handling the product.

Skin/Body protection: Wear impervious protective clothing, boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact. Take additional precaution if handling amounts past the exposure limits.

Thermal hazard: Wear thermal protective clothing when necessary.

General hygiene: Change out of clothes, thoroughly wash your hands and clothes, and shower/bathe as soon as possible. Do not eat, drink, smoke or use the bathroom while handling the product.

Other protective measures: Have an eye wash and safety shower station close by. Routinely wash all equipment to remove contaminants.

Section 9: Physical and chemical properties

Appearance: Liquid
Color: Clear liquid
Odor: Fresh fragrance
Odor threshold: No data available
pH: 8 ± 0.5
Melting point/range: No data available
Boiling point/range: No data available
Flash point: No data available
Evaporation rate: No data available
Flammability (solid, gas): No data available
Upper/lower flammability of explosive limits: No data available
Vapor pressure (mm Hg): No data available
Vapor density (Air=1): No data available
Relative density: No data available
Solubility(ies): Excellent in warm water
Partition coefficient (n-octanol/water): No data available
Auto-ignition temperature: No data available
Decomposition temperature: No data available
Viscosity, dynamic: No data available

Other Information: This product contains no phosphates.

Section 10: Stability and reactivity

Reactivity: No hazardous reactions are known under normal storage conditions and if handled according to standard industrial practices.

Chemical stability: No specific reactivity hazards associated with this product. Product is very stable under normal conditions.

Possibility of hazardous reactions: Hazardous polymerization will not occur.

Conditions to avoid: Avoid heat, direct sunlight, and moisture. Avoid storage with incompatible materials. Avoid storage in freezing conditions. Avoid storage near to unprotected drainage systems. It is advisable to store the product within some form of containment to prevent spillages reaching drainage systems. Do not allow the storage container to be left exposed to the atmosphere. Avoid storage in an unstable manner or in a situation that would result in exposure to the product.

Incompatible materials:
-Strong oxidizers -Strong acids -Strong bases

Hazardous decomposition products: Mild decomposition can result giving off hydrogen.

Section 11: Toxicological information

Acute toxicity: Toxicological testing has not been conducted with this material. The toxicology information listed below is based on the components of this material.

Category 4- Oral: Harmful if swallowed.
Dermal: Harmful in contact with skin.
Inhalation: Harmful if inhaled.

Diethylene glycol monobutyl ether – Acute Toxicity Estimate (ATE)		
Oral LD_{50} 2,410 mg/kg (Mouse)	Oral LD_{50} 3,305 mg/kg (Mouse)	Dermal LD_{50} 2,764 mg/kg (Rabbit)

Skin corrosion/ irritation: Category 2: Causes skin irritation.

Serious eye damage/irritation: Category 2B: Causes eye irritation.

Respiratory or skin sensitization: No information available.

Germ cell mutagenicity: Classification not possible**.**

Carcinogenicity: Classification not possible.

Reproductive toxicity: Classification not possible.

Section 11: Toxicological information (continued)

Specific target organ toxicity - single exposure: Classification not possible.

Specific target organ toxicity - repeated exposure: Classification not possible.

Aspiration hazard: Classification not possible.

Information on the likely routes of exposure

General information: Effects will be dependent upon the concentration and length of time of exposure. Higher concentrations will produce more pronounced effects.
Inhalation: Vapors or mists may irritate the nose, throat and respiratory tract. May cause coughing and difficulties with breathing.
Ingestion: Irritation of the mouth, the esophagus and the gastrointestinal tract. Stomach pain and vomiting may occur.
Skin contact: May cause irritations of the skin.
Eye contact: Causes irritation of the eyes. May cause corneal damage and lacrimation. Conjunctivitis may develop. Risk of serious damage to eyes.

Section 12: Ecological information

Toxicity: Do not allow to escape into waterways, wastewater or soil. Ecotoxicological studies of the product are not available. Please find below the data available to us from raw materials:

Aquatic ecotoxicity

Acute: Category 2: Toxic to aquatic life.

Nonylphenol polyethylene glycol ether	
Acute EC_{50} Daphnia 48 h 12.2 - 17.0 mg/L Fresh Water	Acute LC_{50} Fish 96 h 1.0 mg/L (Bluegill)

Persistence and degradability: No data is available on the degradability of this product.

Bioaccumulative potential: No data available for this product.

Mobility in soil: Not available.

Other adverse effects: No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

Section 13: Disposal considerations

General information: Do not allow the product to contaminate any body of water. Refer to Section 8 for personal protection equipment.

Disposal methods: Avoid unauthorized disposal. Do not dump into any body of water. Comply with federal, state/provincial and local laws/ regulations. Do not reuse empty containers.

Section 14: Transport Information

UN Number: Not Available
UN Proper Shipping Name: Not Applicable
Transport hazard class(es):
DOT Hazard Class: Not Available
DOT Subsidiary Hazard Class: Not Available
Packing group, if available: Not Available
Environmental Hazards: Not Available
Special precautions for user: Not DOT regulated.

Transport in bulk according to Annex II of MARPOL 73/78[3] and the IBC Code [3]: Not applicable

Section 15: Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture:
Unless otherwise noted, no components are SARA TITLE III, SECTION 313, 40 CFR listed materials.
The ingredients of this product are listed on the TSCA inventory.
This product is not made with VOC'S that could cause damage to the ozone layer.

OSHA Hazard Communication Standard:
This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Pennsylvania (Worker and Community Right-To-Know Act): Pennsylvania Hazardous Substance List and/or Pennsylvania Environmental Hazardous Substance List:
The following product components are cited in the Pennsylvania Hazardous Substance List and/or Pennsylvania Environmental Hazardous Substance List.

Component	CAS No.	Amount
Diethylene glycol monobutyl ether	112-34-5	0-5

California Prop. 65 Components
This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Section 16: Other Information including date of preparation or last revision

Chemical State: Liquid
Chemical Type: Mixture

Issue Date: 05-01-2022
Revision Date:
Version #: 01

1	Health
1	Flammability
0	Physical Hazard
B	Personal Protection

To the best of our knowledge, the information contained herein is accurate. **However, neither UNX Industries, Inc. nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.** Final determination of suitability of any material is the sole responsibility of the user. All materials may represent unknown hazards and should be used within caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.