

**SECTION 1: Identification**

**Product identifier:** Retain

**Other means of identification:** Sizing

**SDS number:** 923

**Recommended use:** Starch

**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 hour (Mon-Fri)  
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OFFICE NUMBER: 252-756-8616

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

**SECTION 2: Hazard(s) identification**

**Classification of the substance or mixture:**

**Physical hazards** Not classified

**Health hazards**

Skin corrosion/irritation: Category 3

**Label elements:**



**Signal word:** Warning

**Hazard statements**

H316 Causes mild skin irritation.

H320 Causes eye irritation.

**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.

P264 Wash hands thoroughly after handling.

P270 Do not eat, drink or smoke when using this products.

P273 Avoid release to the environment.

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

## SECTION 2: Hazard(s) identification (continued)

### Response:

P301+312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.  
P302+352 IF ON SKIN: Wash with plenty of water.  
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+P313 If skin irritation occurs: Get medical advice/attention.  
P337+P313 If eye irritation persists: Get medical advice/attention.  
P362+P364 Take off contaminated clothing and wash it before reuse.

### Storage:

P405 Store locked up.

### 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 (%)
PSRN57948000-5007P	Trade Secret	45-55
Water	7732-18-5	45-65
PSRN57948000-5037P	Trade Secret	0-10

## SECTION 4: First-aid measures

### Description of 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 eye with plenty of water for at least 15 minutes. Call poison control or get medical attention immediately.

**Skin contact:** rinse immediately with plenty of water. Call poison control or get medical attention immediately. Chemical burns must be treated by a medical professional.

**Ingestion:** rinse mouth with plenty of water. Do not give anything by mouth to an unconscious person. Do not induce vomiting. Get medical attention immediately.

**Inhalation:** bring victim out to fresh air. If the person is conscious, call poison control or doctor for treatment advice. If the person is not breathing, get medical attention immediately.

## SECTION 4: First-aid measures (Continued)

### 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:** In case of fire use carbon dioxide (CO<sub>2</sub>), foam, extinguishing powder. Use any means suitable for extinguishing surrounding fire. Applying water to this product may cause splattering of this corrosive liquid. Water spray on large fires may be ineffective but may be used to keep fire-exposed containers cool. If water is used, use in abundance to control heat.

**Unsuitable extinguishing media:** Do not use 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 carbon oxides. In the event of fire and/or explosion do not breathe fumes. Withdraw immediately in case of rising sound from venting safety device or any discoloration of tanks due to fire. Move containers from fire area if you can do so without risk. Product containers can melt in the heat of a fire. Packaging materials will be combustible and provide fuel for the fire.

**Special protective equipment and precautions 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 supply 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.

**Environment 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:** None

### 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 glove 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

<b>Appearance:</b>	Liquid
<b>Colour:</b>	Blue creamy liquid
<b>Odour:</b>	Sweet fragrance
<b>Odour Threshold:</b>	No data available
<b>pH:</b>	No data available
<b>Melting point/range:</b>	No data available
<b>Boiling point/range:</b>	No data available
<b>Flash point:</b>	No data available
<b>Evaporation rate:</b>	No data available
<b>Flammability (solid, gas):</b>	No data available
<b>Upper/lower flammability of explosive limits:</b>	No data available
<b>Vapour pressure (mm Hg):</b>	No data available
<b>Vapour density (Air=1):</b>	No data available
<b>Relative density:</b>	No data available
<b>Solubility(ies):</b>	Excellent in warm water
<b>Partition coefficient (n-octanol/water):</b>	No data available
<b>Auto-ignition temperature:</b>	No data available
<b>Decomposition temperature:</b>	No data available
<b>Viscosity, dynamic:</b>	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:** Stable if under normal storage conditions and handled according to standard industrial practices.

**Possibility of hazardous reactions:** Hazardous polymerization will not occur.

**Conditions to avoid:** Heat, sparks and open flames.

**Incompatible materials:** Strong acids, strong bases, combustible materials and reactive metals.

**Hazardous decomposition products:** No hazardous decomposition if stored and handled correctly.

## SECTION 11: Toxicological information

**Acute toxicity:** Toxicological testing has not been conducted with this material.

**Skin Corrosion/ irritation:** Classification not possible.

**Serious eye damage/irritation:** Classification not possible.

**Respiratory or skin sensitization:** Classification not possible.

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

**Reproductive toxicity:** Classification not possible.

**Specific Target Organ Toxicity - Single Exposure/Repeated Exposure:** Classification not possible.

**Aspiration hazard:** Classification not possible.

## 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:** No data available for the ecotoxicity of this product.

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

**Bioaccumulative Potential:** No data available on the bioaccumulation of 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:** No  
**Special precautions for user:** Not DOT regulated.

**Transport in bulk according to Annex II of MARPOL 73/78<sup>3</sup> and the IBC Code <sup>3</sup>:** 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 3 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.

### SECTION 16: Other information including date of preparation or last revision

**Chemical State:** Liquid  
**Chemical Type:** Mixture  
**Issue Date:** 10-19-2020  
**Revision Date:** -  
**Version #:** 01

1	Health
0	Flammability
1	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.