

**SECTION 1: Identification**

**Product identifier:** New Sol

**Other means of identification:** Solvent Detergent

**SDS number:** 777

**Recommended use:** Laundry Detergent

**Recommended restrictions:** Not for personal care

**Manufacturer/Importer/Supplier/Distributor information**

**Company name:** UNX-Christeyns, LLC

**Address:** 707 Arlington Blvd  
Greenville, NC 27858

**Telephone:** Office hour (Mon-Fri)  
8:00a.m. – 4:00p.m. (Eastern Time)  
OFFICE NUMBER: 252-756-8616 / 800.869.6171

**E-mail:** info@unxchristeyns.com

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

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

**Classification of the substance or mixture:**

**Physical hazards**

**Health hazards**

Acute toxicity: Oral/Dermal/Inhalation: Category 4

Aspiration hazard: Category 2

Skin corrosion/irritation: Category 2

Sensitization, skin Category 1

Serious eye damage/eye irritation: Category 1



**Label elements:**

**Signal word:** Danger

**Hazard statements**

H302+H312+H332 Harmful if swallowed, in contact with skin or if inhaled.

H305 May be harmful if swallowed and enter airways.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

## 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.
P210	Keep away from heat/spark/open flames/hot surfaces. No smoking.
P233	Keep container tightly closed.
P235	Keep cool.
P264	Wash hands, arms, face and exposed skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this products.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

#### Response:

P301+312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P303+361+353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
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.
P333+P313	If skin irritation or rash 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.
P370+378	In case of fire: Use carbon dioxide, foam, extinguishing powder to extinguish.

#### Storage:

P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

#### Disposal:

P501	Dispose of contents/container in accordance with local/regional/national/international Regulations.
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#### 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	40-55
Alcohols, C12-16, ethoxylated	68551-12-2	10-25
Citrus terpenes	94266-47-4	5-10
PSRN57948000-5066P	Trade secret	0-5

### 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. Get medical attention immediately.

**Skin contact:** rinse with plenty of water while removing any contaminated clothing. For small amounts of exposure, get medical attention if any discomfort or symptoms persists. For large amounts of exposure, get medical attention immediately.

**Ingestion:** rinse mouth with plenty of water if the person is conscious. Do not induce vomiting unless directed by medical personnel. Get medical attention immediately.

**Inhalation:** bring victim out to fresh air. If the victim is not breathing, give artificial respiration. In case of unconsciousness, place the person on their side for transport, 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:** In case of a small fire, use dry chemicals, carbon dioxide, foam, or inert gas. In case of a large fire, use foam, water fog or water spray. Water fog and spray both effective in cooling containers and adjacent structures, but there is a potential for it to cause frothing and/or not extinguish the fire. Water can be used to cool external walls of vessels to prevent excessive pressure, autoignition and/or explosion.

**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:** flammable liquid and vapors that can be ignited by static spark. Do not breathe in any fumes caused by the fire/explosion. Containers can melt from the heat of fire and the combustible packaging material may provide fuel for 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.

**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

#### US.OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Chemical Name	CAS-No.	Type	Value
Citrus Terpenes	94266-47-4	TWA	30 ppm (8 hr)- (AIHA Standard)

### 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.

**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>	Light amber liquid
<b>Odour:</b>	Citrus fragrance
<b>Odour Threshold:</b>	No data available
<b>pH:</b>	8± 0.5
<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>	25
<b>Other Information:</b>	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:** In the event of a fire, see Section 5

## 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/Dermal/Inhalation: Harmful; if swallowed / in contact with skin / if inhaled.

**SECTION 11: Toxicological information (Continued)**

<b>Citrus Terpenes - Acute Toxicity Estimate (ATE)</b>		
Oral LD <sub>50</sub> > 5,000 mg/kg (Rabbit)	Dermal LD <sub>50</sub> > 5,000 mg/kg (Rabbit)	Inhalation RD <sub>50</sub> > 1,000 mg/kg

<b>Alcohols, C12-16, ethoxylated – Acute Toxicity Estimate (ATE)</b>		
Oral LD <sub>50</sub> 1,700 mg/kg (Rat)	Dermal LD <sub>50</sub> 1,700 mg/kg (Mouse)	Inhalation: Dust and Mist 1.5 to 20.7 mg/kg – 4 h (Rabbit)

**Skin corrosion/ irritation:** Category 1: Causes skin irritation.

**Serious eye damage/irritation:** Category 1: Causes serious eye damage.

**Respiratory sensitization:** Classification not possible.

**Skin sensitization:** Category 1: May cause an allergic skin reaction.

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

**Reproductive toxicity:** Classification not possible.

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

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

**Aspiration hazard:** Category 2: May be harmful if swallowed and enter airways.

**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 1: Very toxic to aquatic life.

Chronic: Category 1: Very toxic to aquatic life with long lasting effects.

<b>Alcohols, C12-16, ethoxylated</b> EU Tested according to directive 92/69/EEC		
Acute EC <sub>50</sub> (Daphnia) 48 h 1.2 to 2.7 mg/L Fresh Water	Acute ErC <sub>50</sub> (Algae) 72 h growth rate 0.64 to 1.3 mg/L	Acute LC <sub>50</sub> (Fish) 96 h 2.6 to 2.9 mg/L

**Persistence and degradability:**

**Bioaccumulative potential:** No data available for this product.

**Mobility in soil:** No data available for this product.

## SECTION 12: Ecological information (Continued)

**Other adverse effects:** Citrus Terpene is very toxic to aquatic life with long lasting 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

<b>UN Number:</b>	Not Available
<b>UN Proper Shipping Name:</b>	Not Applicable
<b>Transport hazard class(es):</b>	
<b>DOT Hazard Class:</b>	Not Available
<b>DOT Subsidiary Hazard Class:</b>	Not Available
<b>Packing group, if available:</b>	Not Available
<b>Environmental Hazards:</b>	No
<b>Special precautions for user:</b>	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**  
The ingredients of this product are listed on the TSCA inventory.

**Other Regulations:** OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

### **SARA 302 Components/ SARA 313 Components:**

SARA 302: This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65) and/or CERCLA (40 CFR 302.4).

### **SARA 311/312 Tier II Hazard Ratings:**



**SECTION 15: Regulatory information (Continued)**

Component	CAS #	Fire Hazard	Reactivity Hazard	Pressure Hazard	Immediate Health Hazard	Chronic Health Hazard
Citrus terpenes		No	No	No	Yes	No

**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: 9-13-2023  
Revision Date: -  
Version #: 01

1	Health
0	Flammability
1	Physical Hazard
B	Personal Protection

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