

## 1. IDENTIFICATION

**Product Identifier**

**Product Name** SOFT N LO

**Recommended use of the chemical and restrictions on use**

**Recommended use** Industrial laundry fabric softener and pH reducer  
**Restrictions on use** For industrial use only

**Supplier details**

West Penetone Inc.  
11411-160 Street  
Edmonton, AB,  
T5M3T7  
Tel: 780-454-3919

**Emergency Telephone Number**

Canutec (613)-996-6666

## 2. HAZARDS IDENTIFICATION

**Classification**

|                                   |             |
|-----------------------------------|-------------|
| Skin corrosion/irritation         | Category 2  |
| Serious eye damage/eye irritation | Category 2A |

**Label Elements**

**WARNING**

**Hazard Statements**

Causes skin irritation  
Causes serious eye irritation



**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling.  
Wear protective gloves/protective clothing/eye protection/face protection.

**Precautionary Statements - Response**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
If eye irritation persists: get medical advice/attention.  
IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs, get medical advice/attention. Take off contaminated clothing and wash before reuse.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

| Chemical Name  | CAS-No     | Weight % |
|--|------------|----------|
| methyl bis(tallowamido ethyl)-2-hydroxyethyl ammonium methyl sulfate | 68410-69-5 | 7-13     |
| urea   | 57-13-6    | 3-7      |
| propan-2-ol  | 67-63-0    | 3-7      |
| phosphoric acid  | 7664-38-2  | 0.5-1.5  |

#### 4. FIRST AID MEASURES

|                     |   |
|---------------------|---|
| <b>Eye contact</b>  | Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: get medical advice/attention.              |
| <b>Skin contact</b> | Wash with plenty of water. If skin irritation or rash occurs, get medical advice/attention. Take off contaminated clothing and wash before reuse.   |
| <b>Inhalation</b>   | If difficulties occur after mist/vapors/spray has been inhaled, remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. |
| <b>Ingestion</b>    | Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell.   |

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

Contact with eyes may cause irritation, discomfort or pain, excess blinking and tear production with marked excess redness and swelling of the conjunctiva, and blurred vision. Contact with skin may cause irritation with local redness. Ingestion of large quantities may be irritating to mouth, throat, and stomach leading to gastrointestinal irritation, nausea, vomiting, and diarrhea.

##### **Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

#### 5. FIRE-FIGHTING MEASURES

##### **Suitable Extinguishing Media**

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

##### **Unsuitable Extinguishing Media**

None.

##### **Specific hazards arising from the chemical**

During fire, gases hazardous to health may be formed including oxides of carbon, nitrogen, phosphorous, sulfur and other irritating gases.

##### **Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

#### 6. ACCIDENTAL RELEASE MEASURES

##### **Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment. High risk of slipping due to product leakage/spillage.

##### **Environmental Precautions**

Avoid discharge into drains/surface waters/groundwater.

##### **Methods and material for containment and cleaning up**

Contain and solidify with inert absorbent material. Keep in suitable, closed containers for disposal. Following product recovery, flush area with water. For large spills, stop flow of material, employ diking or bunding, and pump off product where this is without risk and possible. Proceed as above.

#### 7. HANDLING AND STORAGE

##### **Precautions for Safe Handling**

**Handling** Avoid contact with skin and eyes.

##### **Conditions for safe storage, including any incompatibilities**

**Storage** Store away from incompatible materials.

**Incompatible Materials** Strong oxidizing agents, bases, amphoteric or light metals.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION****Control parameters**

Only constituents with exposure limits are listed. Any constituent not listed has no known exposure limit.

| Chemical Name                | ACGIH TLV   | OSHA PEL   | NIOSH IDLH             |
|------------------------------|---|--|------------------------|
| propan-2-ol<br>67-63-0       | TWA: 200 ppm<br>STEL: 400 ppm                         | TWA: 400 ppm/980 mg/m <sup>3</sup><br>STEL: 500 ppm/1225 mg/m <sup>3</sup> | 2000 ppm               |
| phosphoric acid<br>7664-38-2 | TWA: 1 mg/m <sup>3</sup><br>STEL: 3 mg/m <sup>3</sup> | TWA: 1 mg/m <sup>3</sup><br>STEL: 3 mg/m <sup>3</sup>                      | 1000 mg/m <sup>3</sup> |

**Appropriate engineering controls**

Under the intended modes of use and application, exposure control measures are not required.

**Individual protection measures, such as personal protective equipment**

|                                       |  |
|---------------------------------------|--|
| <b>Eye/face Protection</b>            | Safety glasses with side shields or goggles.   |
| <b>Skin and body protection</b>       | Wear protective gloves and protective clothing.  |
| <b>Respiratory Protection</b>         | No personal respiratory equipment normally required.   |
| <b>General Hygiene Considerations</b> | Handle in accordance with good industrial hygiene and safety practice. Routinely wash work clothing and protective equipment to remove contaminants. |

**9. PHYSICAL AND CHEMICAL PROPERTIES****APPEARANCE :**

Opaque, blue liquid

**ODOR**

Fresh odor

**ODOR THRESHOLD :**

Not applicable

**pH :**

2.0-2.5

**MELTING POINT / FREEZING POINT :**

Approx. -5°C

**BOILING POINT/BOILING RANGE :**

Approx. 100°C

**FLASH POINT :**

None

**EVAPORATION RATE, water = 1 :**

<1

**FLAMMABILITY (SOLID, GAS):**

Not applicable

**VAPOR PRESSURE, mm Hg AT 20°C :**

Not available

**VAPOR DENSITY (Air = 1) :**

Not available

**RELATIVE DENSITY AT 20°C:**

1.015-1.025

**SOLUBILITY IN WATER :**

Complete

**PARTITION COEFFICIENT, N-OCTANOL/WATER :**

Not available

**AUTO-IGNITION TEMPERATURE :**

Not available

**DECOMPOSITION TEMPERATURE:**

Not available

**VISCOSITY:**

Not available

**FLAMMABLE LIMITS :**

UPPER: Not available LOWER : Not available

**10. STABILITY AND REACTIVITY****Reactivity**

Not reactive.

**Chemical Stability**

Stable under normal conditions.

**Possibility of hazardous reactions**

Under normal conditions of storage and use, hazardous reactions will not occur.

**Conditions to Avoid**

Store away from incompatible materials.

**Incompatible Materials**

Strong oxidizing agents, bases, amphoteric or light metals.

**Hazardous decomposition products**

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Thermal decomposition can lead to release of irritating gases and vapors such as oxides of carbon, nitrogen, phosphorous, and sulfur as well as other low molecular weight hydrocarbons.

**11. TOXICOLOGICAL INFORMATION****Acute toxicity**

| Chemical Name  | LD50 Oral        | LD50 Dermal          | LC50 Inhalation                    |
|--|------------------|----------------------|------------------------------------|
| methyl bis(tallowamido ethyl)-2-hydroxyethyl ammonium methyl sulfate<br>68410-69-5 | Not listed       | Not listed           | Not listed                         |
| urea<br>57-13-6  | 8471 mg/kg (rat) | Not listed           | Not listed                         |
| propan-2-ol<br>67-63-0   | 5000 mg/kg (rat) | 12800 mg/kg (rabbit) | 45248 ppm (rat) – 1 h              |
| phosphoric acid<br>7664-38-2   | 1530 mg/kg (rat) | 2730 mg/kg (rabbit)  | >850 mg/m <sup>3</sup> (rat) – 1 h |

**Information on likely sources of exposure**

|                                      |  |
|--------------------------------------|--|
| <b>Serious eye damage/irritation</b> | Causes serious eye irritation.         |
| <b>Skin corrosion/irritation</b>     | Causes skin irritation.                |
| <b>Ingestion</b>                     | Expected to be a low ingestion hazard. |
| <b>Inhalation</b>                    | Expected to be a low inhalation hazard |

**Delayed and immediate effects and also chronic effects from short and long-term exposure**

|  |   |
|--|---|
| <b>Respiratory or skin sensitization</b> | Not a sensitizer  |
| <b>Germ cell mutagenicity</b>            | No information available.   |
| <b>Carcinogenicity</b>                   | No listed carcinogens.  |
| <b>Reproductive toxicity</b>             | No information available.   |
| <b>STOT - single exposure</b>            | urea (CAS 57-13-6) 3 May cause respiratory irritation<br>propan-2-ol (CAS 67-63-0) 3 May cause drowsiness and dizziness |
| <b>STOT - repeated exposure</b>          | No information available.   |
| <b>Aspiration Hazard</b>                 | None.   |

**Symptoms related to the physical, chemical and toxicological characteristics**

See Section 2 & 4.

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

If available, ecotoxicity values of individual components are shown below.

| Chemical Name                | Fish   | Waterflea                                    | Algae         |
|------------------------------|--|--|---------------|
| urea<br>57-13-6              | >9100 mg/L: 96 h Barilius barna<br>LC50      | >10000 mg/L: 24 h Daphnia<br>magna EC50      | Not available |
| propan-2-ol<br>67-63-0       | 4200 mg/L: 96 h Rasbora<br>heteromorpha LC50 | 1400-1950 mg/L: 48 h Crangon<br>crangon EC50 | Not available |
| phosphoric acid<br>7664-38-2 | 3-3.5 mg/L: Gambusia affinis<br>LC50         | Not available                                | Not available |

**Persistence and degradability**

Expected to be readily biodegradable.

**Bioaccumulative potential**

Accumulation in organisms is not to be expected.

**Mobility in soil**

No information available

**Other adverse effects**

No other adverse environmental effects are expected.

**13. DISPOSAL CONSIDERATIONS****Waste Disposal Method**

Dispose of in accordance with local regulations.

**Contaminated Packaging**

Empty containers should be taken for local recycling, recovery or waste disposal.

**14. TRANSPORT INFORMATION****TDG classification**

UN 3264, Corrosive Liquid, Acidic, Inorganic, N.O.S. (contains phosphoric acid), Class 8, PG III

**15. REGULATORY INFORMATION**

All ingredients are listed on the DSL

**16. OTHER INFORMATION**

|                                |                |
|--------------------------------|----------------|
| <b><u>Preparation Date</u></b> | 27 June, 2016  |
| <b><u>Revision Date</u></b>    | not applicable |
| <b><u>Revision Note</u></b>    | not applicable |

**Disclaimer**

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**End of SDS**