SAFETY DATA SHEET

1. IDENTIFICATION

Product Identifier
Product Name SOFT N LO
Chemical Name Fabric softener

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 1-(613)-996-6666 Internationally or 1-888-226-8832 – North America FOR 24 HOUR TRANSPORT EMERGENCY

2. HAZARDS IDENTIFICATION

Classification

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

Label Elements

WARNING

Hazard Statements
Causes skin and 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 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.
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.

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

Ingestion Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell.

Skin contact Wash with plenty of water. If skin irritation or rash occurs, get medical advice/attention. Take off contaminated clothing and wash before reuse.

Inhalation 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.

Eye contact 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.

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 67-63-0	TWA: 200 ppm STEL: 400 ppm	TWA: 400 ppm/980 mg/m^3 STEL: 500 ppm/1225 mg/m^3	2000 ppm
phosphoric acid 7664-38-2	TWA: 1 mg/m^3 STEL: 3 mg/m^3	TWA: 1 mg/m^3 STEL: 3 mg/m^3	1000 mg/m^3

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

Eye/face Protection Safety glasses with side shields or goggles.

Skin and body protection Wear protective gloves and protective clothing.

Respiratory Protection No personal respiratory equipment normally required.

General Hygiene Considerations 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:
1.8-2.6
MELTING POINT / FREEZING POINT:
Approx. -5ºC
BOILING POINT/BOILING RANGE:
Approx. 100ºC
FLASH POINT:
None
EVAPORATION RATE, water = 1:
<1
FLAMMABILITY (SOLID, GAS):
Not applicable

VAPOR PRESSURE, mm Hg AT 20ºC:
Not available
VAPOR DENSITY (Air = 1):
Not available
RELATIVE DENSITY AT 20ºC:
1.010-1.040
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 68410-69-5	Not listed	Not listed	Not listed
urea 57-13-6	8471 mg/kg (rat)	Not listed	Not listed
propan-2-ol 67-63-0	5000 mg/kg (rat)	12800 mg/kg (rabbit)	45248 ppm (rat) – 1 h
phosphoric acid 7664-38-2	1530 mg/kg (rat)	2730 mg/kg (rabbit)	>850 mg/m^3 (rat) – 1 h

Information on likely sources of exposure

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

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

Respiratory or skin sensitization Not a sensitizer
Germ cell mutagenicity No information available.
Carcinogenicity No listed carcinogens.
Reproductive toxicity No information available.
STOT - single exposure urea (CAS 57-13-6) 3 May cause respiratory irritation
propan-2-ol (CAS 67-63-0) 3 May cause drowsiness and dizziness
STOT - repeated exposure No information available.
Aspiration Hazard 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 57-13-6	>9100 mg/L: 96 h Barillius barna LC50	>10000 mg/L: 24 h Daphnia magna EC50	Not available
propan-2-ol 67-63-0	4200 mg/L: 96 h Rasbora hetermorpha LC50	1400-1950 mg/L: 48 h Crangon crangon EC50	Not available
phosphoric acid 7664-38-2	3-3.5 mg/L: Gambusia affinis 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

UN Number:	3264
UN Proper Shipping Name:	Corrosive Liquid, Acidic, Inorganic, N.O.S. (contains phosphoric acid)
Transport Hazard Class(es)	
Class:	TDG: 8 US DOT: 8 IMDG: 8
Label(s):	8
Packing Group:	III
Marine Pollutant:	No

Special precautions for user: None established

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:
Not determined

15. REGULATORY INFORMATION

Canada (DSL/NDSL)

All ingredients contained in this product are in compliance with the Canadian Environmental Protection Act and are listed on the DSL or are exempt.

United States (TSCA)

All ingredients contained in this product are listed on the TSCA inventory or are exempt.

HMIS Information:

Health:	3
Flammability:	0
Reactivity:	0

16. OTHER INFORMATION

Preparation Date	27 June 2016
Revision Date	21 October 2020
Revision Note	**Revision 1 –** Modifications to Sections 1, 9, 14, 15

Disclaimer

The information provided on this SDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

End of SDS