

1. IDENTIFICATION

Product Identifier**Product Name** PENSURF 20**Recommended use of the chemical and restrictions on use****Recommended use** Cleaner - vehicle exterior
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

Serious eye damage/eye irritation	Category 2B
Hazardous to the aquatic environment, acute hazard	Category 3

Label Elements**WARNING****Hazard Statements**Causes eye irritation
Harmful to aquatic life**Precautionary Statements - Prevention**Wash face, hands and any exposed skin thoroughly after handling.
Avoid release to the environment.**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.**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant according to local, provincial/federal regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
sodium tripolyphosphate	7758-29-4	1-5
sodium xylene sulfonate	1300-72-7	1-5
poly(oxy-1,2-ethanediyl),alpha-undecyl-omega-hydroxy-	34398-01-1	1-5
alcohols, C9-C11, ethoxylated	68439-46-3	1-5
PEG 15 cocomonium chloride	61791-10-4	1-5
tetrasodium ethylenediaminetetraacetate	64-02-8	0.5-1.5
lauramine oxide	1643-20-5	0.1-1.0

4. FIRST AID MEASURES

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.
Skin contact	Wash with plenty of water. If skin irritation occurs, get medical advice/attention.
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.
Ingestion	Rinse mouth. Remove person to fresh air and keep at rest in a position comfortable for breathing. Do not induce vomiting unless directed by medical personnel. 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 stinging, tearing, redness, swelling, and blurred vision.

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, and 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. Use appropriate containment to avoid environmental contamination.

Environmental Precautions

Avoid discharge into drains/surface waters/groundwater.

Methods and material for containment and cleaning up

Contain and solidify with inert absorbent materials. Keep in suitable, closed containers for disposal. Following product recovery, flush the area with plenty of water. For large spills, stop flow of material, prevent product from entering drains, 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 eyes.

Conditions for safe storage, including any incompatibilities

Storage Keep from freezing.

Incompatible Materials Acids, strong oxidizing agents

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

No known exposure limits noted for ingredient(s).

Appropriate engineering controls

Engineering Controls Under the intended modes of use, exposure control measures are not required.

Individual protection measures, such as personal protective equipment

Eye/face Protection Under the intended modes of use, eye or face protection not normally required.

Skin and body protection Under the intended modes of use, skin or body protection not normally required.

Respiratory Protection Under the intended modes of use, personal respiratory equipment not normally required.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice. Routinely wash work clothing to remove contaminants.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE : Clear, colorless liquid	VAPOR PRESSURE, mm Hg AT 20°C : Not applicable
ODOR Detergent	VAPOR DENSITY (Air = 1) : Not applicable
ODOR THRESHOLD : Not applicable	RELATIVE DENSITY AT 20°C: 1.010-1.015
pH : 10.0-10.5	SOLUBILITY IN WATER : Complete
MELTING POINT / FREEZING POINT : Approx. 0°C	PARTITION COEFFICIENT, N-OCTANOL/WATER : Not available
BOILING POINT/BOILING RANGE : Approx. 100°C	AUTO-IGNITION TEMPERATURE : None
FLASH POINT : None	DECOMPOSITION TEMPERATURE: Not available
EVAPORATION RATE, water = 1 : 1	VISCOSITY: Not available
FLAMMABILITY (SOLID, GAS): Not applicable	FLAMMABLE LIMITS : UPPER: Not applicable LOWER : Not applicable

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

Keep from freezing.

Incompatible Materials

Acids, strong oxidizing agents.

Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Thermal decompositions 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

ATE_{mix} – LD50 oral – approx. ≥ 20941 mg/kg (rat), LD50 dermal – approx. ≥ 23203 mg/kg (rabbit)

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
sodium tripolyphosphate 7758-29-4	3100 mg/kg (rat)	>7940 mg/kg (rabbit)	Not listed
sodium xylene sulfonate 1300-72-7	7200 mg/kg (rat)	Not listed	Not listed
poly(oxy-1,2-ethanediyl),alpha-undecyl-omega-hydroxy- 34398-01-1	>2000 mg/kg (rat)	>2000 mg/kg (rabbit)	Not listed
alcohols, C9-C11, ethoxylated 68439-46-3	>2000 mg/kg (rat)	>2000 mg/kg (rabbit)	Not listed
PEG 15 cocomonium chloride 61791-10-4	>5000 mg/kg (rat)	>11200 mg/kg (rabbit)	Not listed
tetrasodium ethylenediaminetetraacetate 64-02-8	>1780-<2000 mg/kg (rat)	Not listed	>1 mg/L (aerosol) (rat) – 6 h
lauramine oxide 1643-20-5	>1065 mg/kg (rat)	>2000 mg/kg (rabbit)	Not listed

Information on likely sources of exposure

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

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

Respiratory or skin sensitization	Not a sensitizer.
Germ cell mutagenicity	None known.
Carcinogenicity	None known.
Reproductive toxicity	None known.
STOT - single exposure	None known.
STOT-repeated exposure	None known.
Aspiration Hazard	None.

Symptoms related to the physical, chemical and toxicological characteristics

Eye irritation.

12. ECOLOGICAL INFORMATION

Ecotoxicity

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

Chemical Name	Fish	Waterflea	Algae
sodium tripolyphosphate 7758-29-4	1650 mg/L: 48 h leuciscus idus LC50	Not available	Not available
sodium xylene sulfonate 1300-72-7	> 1000 mg/L: 96 h LC50	> 1000 mg/L: 48 h EC50	> 230 mg/kg, 72 h EC50
poly(oxy-1,2-ethanediyl),alpha-undecyl-omega-hydroxy- 34398-01-1	5-10 mg/L: 96 h	5-10 mg/L: 48 h	10-100 mg/L: 72 h
alcohols, C9-C11, ethoxylated 68439-46-3	5-10 mg/L: 96 h LC50	5-10 mg/L: 48 h EC50	10-100 mg/L: 72 h EC50

PEG 15 cocomonium chloride 61791-10-4	26.7 mg/L: 96 h pimephales promelas LC50	42.0 mg/L: 48 h daphnia magna EC50	3.1 mg/L: 96 h selenastrum capricornutum EC50
tetrasodium ethylenediaminetetraacetate 64-02-8	>100 mg/L: 96 h lepomis macrochirus LC50	>100 mg/L: 48 h daphnia magna EC50	>100 mg/L: 72 h green algae EC50
lauramine oxide 1643-20-5	2.67 mg/L: 96 h LC50	3.1 mg/L: 48 h daphnia magna EC50	0.19 mg/L: 72 h EC50

Persistence and degradability

Expected to be potentially biodegradable.

Bioaccumulative potential

Accumulation in organisms is not to be expected.

Mobility in soil

No information available.

Other adverse effects

Do not release untreated into natural waters. 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

Not regulated

15. REGULATORY INFORMATION

All ingredients are listed on the DSL

16. OTHER INFORMATION

Preparation Date

15 May 2017

Revision Date

not applicable

Revision Note

not applicable

Disclaimer

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End of SDS