

1. IDENTIFICATION

Product Identifier

Product Name FRESH N CLEAN

Recommended use of the chemical and restrictions on use

Recommended use Liquid laundry detergent
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 1
Hazardous to the aquatic environment, acute hazard	Category 3

Label Elements

DANGER

Hazard Statements

Causes skin irritation
 Causes serious eye damage
 Harmful to aquatic life



Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling.
 Avoid release to the environment.
 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. Immediately call a POISON CENTER or doctor/physician.
 IF ON SKIN: Wash with plenty of water. If skin irritation occurs, get medical advice/attention. Take off contaminated clothing and wash it before re-use.

Precautionary Statements - Storage

Store locked up.

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 %
alcohols (C12-C15 In. saturated) ethoxylate	68131-39-5	1-5
potassium dodecylbenzene sulfonate	27177-77-1	1-5
sodium xylene sulfonate	1300-72-7	1-5
tetrapotassium pyrophosphate	7320-34-5	1-5
2-propenoic acid, homopolymer, sodium salt	9003-04-7	1-5
tetrasodium ethylenediaminetetraacetate	64-02-8	0.5-1.5
alcohols, C9-C11, ethoxylated	68439-46-3	0.5-1.5

4. FIRST AID MEASURES

Eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.
Skin contact	Wash with plenty of water. If skin irritation occurs, get medical advice/attention. Take off contaminated clothing and wash it before re-use.
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 concerned or 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 concerned or unwell.

Most important symptoms and effects, both acute and delayed

Contact with eyes may cause serious corneal injury or damage leading to 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.

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.

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 area with 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 skin and eyes.

Conditions for safe storage, including any incompatibilities

Storage Store locked up away from incompatible materials. Keep from freezing.

Incompatible Materials Acids, strong oxidizing agents, 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
tetrapotassium pyrophosphate 7320-34-5	Not available	TWA: 15 mg/m ³ (total dust) TWA: 5 mg/m ³ (resp. fraction)	Not available
2-propenoic acid, homopolymer, sodium salt 9003-04-7	TWA: 0.5mg/m ³ (resp. fraction)	Not available	Not available

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 Safety glasses with side shields or goggles when handling the product at full concentration.

Skin and body protection Wear protective gloves and protective clothing when handling the product at full concentration.

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 to remove contaminants.

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

Purple liquid

ODOR

Fresh odor

ODOR THRESHOLD :

Not applicable

pH :

12.0-13.0

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:

1.055-1.060

SOLUBILITY IN WATER :

Complete

PARTITION COEFFICIENT, N-OCTANOL/WATER :

Not available

AUTO-IGNITION TEMPERATURE :

None

DECOMPOSITION TEMPERATURE:

Not available

VISCOSITY:

Not available

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

Store away from incompatible materials. Keep from freezing.

Incompatible Materials

Acids, strong oxidizing agents, amphoteric or light metals

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, and sulfur as well as other low molecular weight hydrocarbons.

11. TOXICOLOGICAL INFORMATION**Acute toxicity**

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
alcohols, C12-C15, ethoxylated 68131-39-5	>2000 mg/kg (rat)	>2000 mg/kg (rabbit)	Not listed
potassium dodecylbenzene sulfonate 27177-77-1	>1000 mg/kg (rat)	>2000 mg/kg (rabbit)	Not listed
sodium xylene sulfonate 1300-72-7	7200 mg/kg (Rat)	Not listed	Not listed
tetrapotassium pyrophosphate 7320-34-5	>1000 mg/kg (rabbit)	>4640 mg/kg (rabbit)	Not listed
2-propenoic acid, homopolymer, sodium salt 9003-04-7	>5000 mg/kg (rat)	>5000 mg/kg (rabbit)	Not listed
tetrasodium ethylenediaminetetraacetate 64-02-8	>1780-<2000 mg/kg (rat)	Not listed	>1 mg/L (aerosol) (rat) – 6 h
alcohols, C9-C11, ethoxylated 68439-46-3	>2000 mg/kg (rat)	>2000 mg/kg (rabbit)	Not listed

Information on likely sources of exposure

Serious eye damage/irritation	Causes serious eye damage.
Skin corrosion/irritation	Causes 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	No listed human carcinogens.
Reproductive toxicity	No information available
STOT - single exposure	No information available.
STOT-repeated exposure	No information available.
Aspiration Hazard	None known.

Symptoms related to the physical, chemical and toxicological characteristics

Eye damage. Skin irritation.

12. ECOLOGICAL INFORMATION**Ecotoxicity**

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

Chemical Name	Fish	Waterflea	Algae
alcohols, C12-C15, ethoxylated 68131-39-5	5-10 mg/L: 96 h LC50	5-10 mg/L: 48 h EC50	10-100 mg/L: 72 h EC50
sodium xylene sulfonate 1300-72-7	> 1000 mg/L: 96 h LC50	> 1000 mg/L: 48 h EC50	> 230 mg/kg, 72 h EC50
2-propenoic acid, homopolymer, sodium salt 9003-04-7	>1000 mg/L: 96 h lepomis macrochirus LC50	> 1000 mg/L: 48 h EC50	>180 mg/L: 96 h EC50
tetrasodium ethylenediaminetetraacetate 64-02-8	>100 mg/L: 96 h lepomis macrochirus LC50	>100 mg/L: 48 h EC50	>100 mg/L: 72 h green algae EC50
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

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**

17 May, 2016

Revision Date

not applicable

Revision Note

not applicable

Disclaimer

The information provided on this MSDS 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