SAFETY DATA SHEET

1. IDENTIFICATION

Product Identifier
Product Name LEMON LITE

Recommended use of the chemical and restrictions on use
Recommended use Dish detergent
Restrictions on use For commercial or 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 1

Hazardous to the aquatic environment, acute hazard	Category 3

Label Elements

DANGER

Hazard Statements
Causes serious eye damage
Toxic to aquatic life

Precautionary Statements - Prevention
Wear protective eye protection/face protection.
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.
Immediately call a POISON CENTER or doctor/physician.

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 dodecylbenzene sulfonate	25155-30-0	10-30
sodium lauryl ether sulphate	9004-82-4	1-5
1,2,3-propanetriol	56-81-5	0.5-1.5
sodium xylene sulfonate	1300-72-7	0.1-1.0
cocamidopropyl betaine	61789-40-0	0.1-1.0
propan-2-ol	67-63-0	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. Immediately call a POISON CENTER or doctor/physician

Skin contact Rinse skin with water. If skin irritation or rash occurs: get medical advice/attention.

Inhalation Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.

Ingestion Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

Most important symptoms and effects, both acute and delayed

Contact with eyes may cause serious damage leading to corneal injury, irritation, discomfort or pain, excess blinking and tear production with marked excess redness and swelling of the conjunctiva. Ingestion may cause irritation of the mouth and throat and abdominal pain.

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, 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
Avoid contact with eyes. 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 the 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 eyes.

Conditions for safe storage, including any incompatibilities

Storage Keep containers closed away from direct sunlight in a dry, cool place, away from incompatible materials.

Incompatible Materials Acids, bases, strong oxidizing agents

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
1,2,3-propanetriol 56-81-5	TWA: 10 mg/m^3 (mist)	5 mg/m^3 (respirable fraction) 15 mg/m^3 (total dust)	Not listed
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	Not listed

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.

Skin and body protection No skin or body protection normally required.

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 :
Clear, yellow liquid
ODOR
Lemon/citrus
ODOR THRESHOLD :
Not applicable
pH :
7.0-8.0
MELTING POINT / FREEZING POINT :
Approx. 0^{o}C
BOILING POINT/BOILING RANGE :
Approx. 100^{o}C
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:
1.040-1.050
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
Acids, bases, strong oxidizing agents

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

11. TOXICOLOGICAL INFORMATION

Acute toxicity
ATE_{mix} – LD50 oral – approx. ≥ 5406 mg/kg (rat), LD50 dermal – approx. ≥ 46415 mg/kg (rabbit)

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
sodium dodecylbenzene sulfonate 25155-30-0	500-2000 mg/kg (rat)	Not listed	Not listed
sodium lauryl ether sulphate 9004-82-4	>2000 mg/kg (rat)	2000-5000 mg/kg (rabbit)	Not listed
1,2,3-propanetriol 56-81-5	>2000 mg/kg (rat)	Not listed	Not listed
sodium xylene sulfonate 1300-72-7	7200 mg/kg (rat)	>2000 mg/kg (rabbit)	Not listed
cocoamidopropyl betaine 61789-40-0	2335 mg/kg (rat)	>2000 mg/kg (rabbit)	Not listed
propan-2-ol 67-63-0	5045 mg/kg (rat)	12800 mg/kg (rabbit)	16970 ppm (rat) – 1 h

Information on likely sources of exposure

Serious eye damage/irritation Causes serious eye damage.
Skin corrosion/irritation May cause 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 No information available.
Carcinogenicity No listed carcinogens.
Reproductive toxicity No information available
STOT - single exposure No information available
STOT - repeated exposure No information available
Aspiration Hazard No information available

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
sodium dodecylbenzene sulfonate 25155-30-0	3.2-5.6 mg/L: 96 h rainbow trout LC50	6.3 mg/L: 48 h daphnia magna EC50	Not available
sodium lauryl ether sulphate 9004-82-4	2.3 mg/L: 96 h LC50	>13 ppm: 48 h LC50	>56 ppm: 72 h EC50
1,2,3-propanetriol 56-81-5	51000-57000 mg/L: 96 h rainbow trout 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/L: 72 h EC50
cocoamidopropyl betaine 61789-40-0	1.75-10 mg/L: 96 h LC50	1.9 mg/L: 48 h EC50	2.4 mg/L: 72 h EC50
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

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
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 November, 2016
Revision Date not applicable
Revision Note not applicable

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End of SDS