

AS LIQUID

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Date prepared: 15 June 2016  
MSDS : AS LIQUID SDS GHS

## 1. IDENTIFICATION

### Product Identifier

Product Name AS LIQUID

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

Recommended use Alkaline degreaser  
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

Corrosive to metals	Category 1
Skin corrosion/irritation	Category 1
Serious eye damage/eye irritation	Category 1
Hazardous to the aquatic environment, acute hazard	Category 3

### Label Elements

#### DANGER

#### Hazard Statements

May be corrosive to metals  
Causes severe skin burns and eye damage  
Harmful to aquatic life



### Precautionary Statements - Prevention

Keep only in original packaging.  
Do not breathe dusts or mists.  
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 (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.  
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.  
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.  
Absorb spillage to prevent material-damage.

### Precautionary Statements - Storage

Store in a corrosion resistant/container with a resistant inner liner. 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 %
sodium hydroxide	1310-73-2	5-10
alcohols, (C12-15 ln. saturated), ethoxylate	68131-39-5	1-5
tetrasodium ethylenediaminetetraacetate	64-02-8	1-5
C6-12 alkyl alcohol ethoxylated phosphoric acid	68921-24-4	1-5
sodium dodecylbenzene sulfonate	25155-30-0	1-5
sodium xylene sulfonate	1300-72-7	1-5
sodium metasilicate	6834-92-0	1-5
sodium lauryl ether sulphate	9004-82-4	0.1-1.0

**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. Immediately call a POISON CENTER or doctor/physician.
<b>Skin contact</b>	Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.
<b>Inhalation</b>	Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.
<b>Ingestion</b>	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 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 possible blindness. Contact with skin may cause burns or irritation with local redness or blistering.

**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, sodium, silicon 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 skin, eyes, and clothing.

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

**Storage** Store locked up, in original container, away from incompatible materials.

**Incompatible Materials** Strong oxidizing materials, acids, 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
sodium hydroxide 1310-73-2	2 mg/m <sup>3</sup> ceiling	2 mg/m <sup>3</sup> ceiling	10 mg/m <sup>3</sup>
sodium metasilicate 6834-92-0	TWA: 2 mg/m <sup>3</sup>	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.

**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 to remove contaminants.

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

Clear, red liquid

**ODOR**

Detergent

**ODOR THRESHOLD :**

Not applicable

**pH :**

12.30-13.30

**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 applicable

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

Not applicable

**RELATIVE DENSITY AT 20°C:**

1.125-1.130

**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.

**Incompatible Materials**

Strong oxidizing materials, acids, 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, phosphorous, sodium, silicon and sulfur as well as other low molecular weight hydrocarbons.

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

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
sodium hydroxide 1310-73-2	500 mg/kg (rabbit)	Not listed	Not listed
alcohols, C12-C15, ethoxylated 68131-39-5	>2000 mg/kg (rat)	>2000 mg/kg (rabbit)	Not listed
tetrasodium ethylenediaminetetraacetate 64-02-8	>1780-<2000 mg/kg (rat)	Not listed	>1 mg/L (aerosol) (rat) – 6 h
C6-12 alkyl alcohol ethoxylated phosphoric acid	Not listed	>2500 mg/kg	Not listed
sodium dodecylbenzene sulfonate 25155-30-0	500-2000 mg/kg (rat)	Not listed	Not listed
sodium xylene sulfonate 1300-72-7	7200 mg/kg (rat)	>2000 mg/kg (rabbit)	Not listed
sodium metasilicate 6834-92-0	600 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

**Information on likely sources of exposure****Serious eye damage/irritation**

Causes serious eye damage.

**Skin corrosion/irritation**

May cause burns or irritation with local redness or blistering.

**Ingestion**

May be harmful if swallowed.

**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 information available

**Reproductive toxicity**

No information available

**STOT - single exposure**

No information available.

**STOT-repeated exposure**

No information available.

**Aspiration Hazard**

None.

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

Eye damage or irritation. Skin burns or irritation.

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

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

Chemical Name	Fish	Waterflea	Algae
sodium hydroxide 1310-73-2	1149 mg/kg: 96 h rainbow trout LC50	Not available	Not available
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
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
C6-12 alkyl alcohol ethoxylated phosphoric acid	189 ppm: 96 h LC50	111 ppm: 96 h LC50	94 ppm: 78 h EC50
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 xylene sulfonate 1300-72-7	> 1000 mg/L: 96 h LC50	> 1000 mg/L: 48 h EC50	> 230 mg/kg, 72 h EC50
sodium lauryl ether sulphate 9004-82-4	2.3 mg/L: 96 h LC50	>13 ppm: 48 h LC50	>56 ppm: 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**

UN 3266, Corrosive Liquid, Basic, Inorganic, N.O.S. (sodium hydroxide solution), Class 8, PG II

**15. REGULATORY INFORMATION**

All ingredients are listed on the DSL

**16. OTHER INFORMATION****Preparation Date**

15 June, 2016

**Revision Date**

not applicable

**Revision Note**

not applicable

**Disclaimer**

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End of SDS