

1. IDENTIFICATION

Product Identifier

Product Name GLISTEN

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 2A
Carcinogenicity	Category 2
Reproductive toxicity	Category 1B

Label Elements

DANGER

Hazard Statements

Causes serious eye irritation
Suspected of causing cancer
May damage fertility or the unborn child



Precautionary Statements - Prevention

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Wash face, hands and any exposed skin thoroughly after handling.
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. If eye irritation persists: get medical advice/attention.
If exposed or concerned: get medical advice/attention.

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 %
disodium cocoamphodipropionate	68604-71-7	1-5
diethylene glycol monobutyl ether	112-34-5	1-5
sodium tripolyphosphate	7758-29-4	1-5
trisodium nitrilotriacetic acid	5064-31-3	0.5-1.5
sodium dodecylbenzene sulfonate	25155-30-0	0.5-1.5
sodium hydroxide	1310-73-2	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. Take off contaminated clothing and wash it before reuse.
Inhalation	If difficulties occur after mist/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 irritation leading to discomfort or pain, excess blinking, and tear production with marked excess redness and swelling of the conjunctiva, and blurred vision. See Section 2 for possible delayed effects.

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**

Avoid contact with skin and eyes. Use personal protective equipment.

Environmental Precautions

Prevent further leakage or spillage, if safe to do so.

Methods and material for containment and cleaning up

Flush the area with plenty of water. For large spills, stop flow of material, dike or bund, 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. Do not handle until all safety precautions or special instructions have been read and understood.

Conditions for safe storage, including any incompatibilities

Storage Keep from freezing.

Incompatible Materials Strong acids.

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
diethylene glycol monobutyl ether 112-34-5	TWA: 10 ppm (inhalable fraction/vapor)	Not available	Not available
sodium hydroxide 1310-73-2	2 mg/m ³ ceiling	2 mg/m ³ ceiling	10 mg/m ³

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, colorless liquid

ODOR

Detergent/glycol

ODOR THRESHOLD :

Not applicable

pH :

12.0-13.0

MELTING POINT / FREEZING POINT :

Approx. -10°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:

1.050-1.055

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

Keep from freezing. Store away from incompatible materials.

Incompatible Materials

Strong acids.

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. > 10000 mg/kg (rat), LD50 dermal – approx. > 50000 mg/kg (rabbit)

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
disodium cocoamphodipropionate 68604-71-7	>5000 mg/kg (rat)	Not listed	Not listed
diethylene glycol monobutyl ether 112-34-5	2410 mg/kg (mouse)	2764 mg/kg (rabbit)	>2.1 mg/L (rat) – 4 h
sodium tripolyphosphate 7758-29-4	3100 mg/kg (rat)	>7940 mg/kg (rabbit)	Not listed
trisodium nitrilotriacetate 5064-31-3	1740 mg/kg (rat)	Not listed	Not listed
sodium dodecylbenzene sulfonate 25155-30-0	500-2000 mg/kg (rat)	Not listed	Not listed
sodium hydroxide 1310-73-2	500 mg/kg (rabbit)	Not listed	Not listed

Information on likely sources of exposure

Serious eye damage/irritation	Causes serious eye irritation.
Skin corrosion/irritation	May cause mild 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	trisodium nitrilotriacetate (CAS 5064-31-3)	2B Possibly carcinogenic to humans
Reproductive toxicity	disodium cocoamphodipropionate (CAS 68604-71-7)	1B May damage fertility or the unborn child
STOT - single exposure	None known.	
STOT-repeated exposure	None known.	
Aspiration Hazard	None.	

Symptoms related to the physical, chemical and toxicological characteristics

Eye irritation. Possible skin irritation. See Section 2 for further characteristics.

12. ECOLOGICAL INFORMATION

Ecotoxicity

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

Chemical Name	Fish	Waterflea	Algae
disodium cocoamphodipropionate 68604-71-7	1-100 mg/L: 96 h LC50	6.5 mg/L: 48 h EC50	0.55-48 mg/L: 72 h EC50
diethylene glycol monobutyl ether 112-34-5	1300 mg/L: 96 h lepomis macrochirus LC50	Not available	>100 mg/L: 96 h desmodemus subspicatus EC50
sodium tripolyphosphate 7758-29-4	1650 mg/L: 48 h leuciscus idus LC50	Not available	Not available

trisodium nitrilotriacetic acid 5064-31-3	127 mg/L: 96 h pimephales promelas LC50	560-1000 mg/L: 48 h daphnia magna EC50	>100 mg/L: 72 h desmodesums subspicatus 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 hydroxide 1310-73-2	1149 mg/kg: 96 h rainbow trout LC50	Not available	Not available

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

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

23 November, 2016

Revision Date

not applicable

Revision Note

not applicable

Disclaimer

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End of SDS