

RENEW

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Date prepared: 25 November 2016
MSDS : RENEW SDS GHS

1. IDENTIFICATION

Product Identifier

Product Name RENEW

Recommended use of the chemical and restrictions on use

Recommended use Laundry – stain remover
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

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A
Skin sensitizer	Category 1
Specific target organ toxicity – single exposure	Category 3
Hazardous to the aquatic environment, acute hazard	Category 3

Label Elements

WARNING

Hazard Statements

Causes skin irritation
Causes serious eye irritation
May cause an allergic skin reaction
May cause respiratory irritation
Harmful to aquatic life



Precautionary Statements - Prevention

Avoid breathing dust/fume/gas/mist/vapors/spray.
Wash face, hands and any exposed skin thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Contaminated clothing should not be allowed out of work place.
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. If eye irritation persists: get medical advice/attention.
IF ON SKIN: Wash with plenty of water. If skin irritation occurs: get medical advice/attention. Take off contaminated clothing and wash it before reuse.
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

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 %
sodium lauryl sulfate	151-21-3	3-7
diethylene glycol monobutyl ether	112-34-5	3-7
sodium tripolyphosphate	7758-29-4	1-5
pentyl acetate	628-63-7	1-5
1-butanol, 2-methyl, acetate	624-41-9	1-5
alcohols, (C12-15 ln. saturated), ethoxylate	68131-39-5	1-5
Stoddard solvent	8052-41-3	0.5-1.5
distillates (petroleum), hydrotreated light	64742-47-8	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. Contact with skin may cause irritation with local redness and aggravate previous medical skin conditions. Contact may also cause an allergic skin reaction with prolonged or repeated exposure. Inhalation of mist/vapors/spray may cause respiratory tract irritation leading to a temporary burning sensation of the nose and throat, coughing, and difficulty breathing.

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, phosphorous 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

Avoid discharge into drains/surface waters/groundwater.

Methods and material for containment and cleaning up

For small spills, dilute with water and mop up or contain and solidify with inert absorbent material. Keep solidified materials 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 and eyes.

Conditions for safe storage, including any incompatibilities

Storage Keep containers tightly closed. Keep from freezing.

Incompatible Materials Acids, 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
diethylene glycol monobutyl ether 112-34-5	TWA: 10 ppm (inhalable fraction/vapor)	Not available	Not available
pentyl acetate 628-63-7	TWA: 50 ppm STEL: 100 ppm	TWA: 100 ppm/525 mg/m ³	1000 ppm
1-butanol, 2-methyl-, acetate 624-41-9	TWA: 50 ppm STEL: 100 ppm	Not available	Not available
Stoddard solvent 8052-41-3	TWA: 100 ppm TLV	TWA: 100 ppm/525 mg/m ³	20000 mg/m ³
distillates (petroleum), hydrotreated light 64742-47-8	TWA: 1200 mg/m ³ or 197 ppm based on total hydrocarbons.	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 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, blue liquid

ODOR

Banana

ODOR THRESHOLD :

Not applicable

pH :

9.0-9.3

MELTING POINT / FREEZING POINT :

Approx. -10°C

BOILING POINT/BOILING RANGE :

VAPOR PRESSURE, mm Hg AT 20°C :

Not applicable

VAPOR DENSITY (Air = 1) :

Not applicable

RELATIVE DENSITY AT 20°C:

1.020-1.030

SOLUBILITY IN WATER :

Complete

PARTITION COEFFICIENT, N-OCTANOL/WATER :

Not available

AUTO-IGNITION TEMPERATURE :

Approx. 100°C

FLASH POINT :

None

EVAPORATION RATE, water = 1 :

1

FLAMMABILITY (SOLID, GAS):

Not applicable

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

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, phosphorous, as well as other low molecular weight hydrocarbons.

11. TOXICOLOGICAL INFORMATION**Acute toxicity****ATE_{mix}** – LD50 oral – approx. ≥ 8563 mg/kg (rat), LD50 dermal – approx. > 20000 mg/kg (rabbit), LC50 inhalation – approx. > 38 mg/L (rat) – 4 h

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
sodium lauryl sulfate 151-21-3	1288 mg/kg (rat)	Not listed	3900 mg/m ³ (rat)
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
pentyl acetate 628-63-7	> 1600 mg/kg (rat)	Not listed	Not listed
1-butanol, 2-methyl-, acetate 624-41-9	Not listed	Not listed	Not listed
alcohols, C12-C15, ethoxylated 68131-39-5	> 2000 mg/kg (rat)	> 2000 mg/kg (rabbit)	Not listed
Stoddard solvent 8052-41-3	5000 mg/kg (rat)	> 3000 mg/kg (rabbit)	> 14.1 mg/L/ > 5500 mg/m ³ (rat) – 4 h
distillates (petroleum), hydrotreated light 64742-47-8	> 5000 mg/kg (rat)	> 3000 mg/kg (rabbit)	Not listed

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

Causes serious eye irritation.

Skin corrosion/irritation

May cause irritation with local redness and possible sensitization or dermatitis.

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**

CAS 628-63-7, 624-41-9

1 May cause an allergic skin reaction

Germ cell mutagenicity

None known.

Carcinogenicity

None known.

Reproductive toxicity

None known.

STOT - single exposure

Contains materials which may cause respiratory irritation.

STOT-repeated exposure

None known.

Aspiration Hazard None.

Symptoms related to the physical, chemical and toxicological characteristics

Eye irritation. Skin irritation.

12. ECOLOGICAL INFORMATION**Ecotoxicity**

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

Chemical Name	Fish	Waterflea	Algae
sodium lauryl sulfate 151-21-3	4.06-5.75 mg/L: 96 h lepomis macrochirus LC50	Not available	30-100 mg/L: 96 h scenedesmus subspicatus EC50
diethylene glycol monobutyl ether 112-34-5	1300 mg/L: 96 h lepomis macrochirus LC50	Not available	>100 mg/L: 96 h desmodesmus subspicatus EC50
sodium tripolyphosphate 7758-29-4	1650 mg/L: 48 h leuciscus idus LC50	Not available	Not available
pentyl acetate 628-63-7	650 mg/L: 96 h lepomis macrochirus 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
distillates (petroleum), hydrotreated light 64742-47-8	2.2 mg/L: 96 h lepomis macrochirus LC50	Not available	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**

25 November, 2016

Revision Date

not applicable

Revision Note

not applicable

Disclaimer

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End of SDS