

EQUALIZER

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Date prepared: 4 May 2016  
MSDS : EQUALIZER SDS GHS

## 1. IDENTIFICATION

### Product Identifier

Product Name EQUALIZER

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

Recommended use Industrial laundry fabric 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

Flammable liquids	Category 3
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 1
Skin sensitizer	Category 1
Specific target organ toxicity – single exposure	Category 3
Aspiration hazard	Category 1
Hazardous to the aquatic environment, acute hazard	Category 2
Hazardous to the aquatic environment, long-term hazard	Category 3

### Label Elements

#### DANGER

#### Hazard Statements

Flammable liquid and vapor  
Causes skin irritation  
Causes serious eye damage  
May cause an allergic skin reaction  
May cause respiratory irritation  
May be fatal if swallowed and enters airways  
Toxic to aquatic life  
Harmful to aquatic life with long lasting effects



### Precautionary Statements - Prevention

Keep away from heat/open flame/hot surfaces.  
Keep container tightly closed.  
Avoid breathing mist/vapors/spray.  
Wash face, hands and any exposed skin thoroughly after handling.  
Use only outdoors or in a well-ventilated area.  
Contaminated work clothing must not be allowed out of the workplace.  
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 or shower. If skin irritation occurs: get medical advice/attention. Wash contaminated clothing 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.

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

In case of fire: Use carbon dioxide, foam or dry chemical to extinguish.

**Precautionary Statements - Storage**

Store locked up. Store in a well ventilated place. Keep cool. Keep container tightly closed.

**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 %
Stoddard solvent	8052-41-3	30-60
poly(oxy-1,2-ethanediyl), alpha-undecyl-omega-hydroxy-	34398-01-1	10-30
alcohols, C9-C11, ethoxylate	68439-46-3	7-13
propan-2-ol	67-63-0	5-10
dipentene	68956-56-9	1-5

### 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>	Wash with plenty of water. If skin irritation or rash occurs, get medical advice/attention. Take off contaminated clothing and wash before reuse.
<b>Inhalation</b>	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 unwell.
<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 corneal injury, irritation, discomfort or pain, excess blinking and tear production with marked excess redness and swelling of the conjunctiva. Contact with skin may cause irritation with local redness and aggravate previous medical skin conditions. Prolonged or repeated exposure may cause an allergic skin reaction. 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. High concentrations may cause central nervous system depression leading to headaches, dizziness, and nausea. Ingestion may cause irritation or a burning sensation of the mouth and throat and abdominal pain. Ingestion may cause pneumonitis if aspirated.

**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**

High-volume water jet.

**Specific hazards arising from the chemical**

During fire, gases hazardous to health may be formed including oxides of carbon 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**

Ensure adequate ventilation. Remove all sources of ignition. 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 material. 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 and inhalation of mist/vapors/spray. Avoid contact with skin, eyes and clothing. Ensure thorough ventilation of work areas.

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

Keep containers tightly closed away from direct sunlight in a dry, cool and well-ventilated place, away from incompatible materials.

**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
Stoddard solvent 8052-41-3	TWA: 100 ppm TLV-TWA	TWA: 100 ppm/525 mg/m <sup>3</sup>	20000 mg/m <sup>3</sup>
propan-2-ol 67-63-0	TWA: 200 ppm STEL: 400 ppm	TWA: 400 ppm/980 mg/m <sup>3</sup> STEL: 500 ppm/1225 mg/m <sup>3</sup>	Not listed

**Appropriate 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, 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, colorless liquid

**ODOR**

Solvent

**ODOR THRESHOLD :**

Not applicable

**pH :**

Not applicable

**MELTING POINT / FREEZING POINT :**

Approx. -45°C

**BOILING POINT/BOILING RANGE :**

Approx. 165°C

**FLASH POINT :**

40°C (TCC)

**EVAPORATION RATE, water = 1 :**

&gt;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:**

0.845-0.875

**SOLUBILITY IN WATER :**

Forms emulsion

**PARTITION COEFFICIENT, N-OCTANOL/WATER :**

Not available

**AUTO-IGNITION TEMPERATURE :**

Not available

**DECOMPOSITION TEMPERATURE:**

Not available

**VISCOSITY:**

Not available

**FLAMMABLE LIMITS :****UPPER:** 6%      **LOWER :** 1%**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**

Avoid all sources of ignition: heat/open flame/hot surfaces. Store away from incompatible materials.

**Incompatible Materials**

Acids, strong oxidizing materials.

**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 as well as other low molecular weight hydrocarbons.

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

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Stoddard solvent 8052-41-3	5000 mg/kg (rat)	>3000 mg/kg (rabbit)	>14.1 mg/L/>5500 mg/m <sup>3</sup> (rat) – 4 h
poly(oxy-1,2-ethanediyl), alpha-undecyl-omega-hydroxy- 34398-01-1	>2000 mg/kg (rat)	>2000 mg/kg (rabbit)	Not listed
alcohols, C9-C11, ethoxylated 68439-46-3	>2000 mg/kg (rat)	>2000 mg/kg (rabbit)	Not listed
propan-2-ol 67-63-0	5000 mg/kg (rat)	12800 mg/kg (rabbit)	72.6 mg/L (rat) – 4 h

**Information on likely sources of exposure****Inhalation**

Mist/spray may cause respiratory irritation and possible damage.

**Serious eye damage/irritation**

Mist/spray may cause serious eye damage.

**Skin corrosion/irritation**

Mist/spray may cause skin irritation and possible sensitization.

**Ingestion**

May be fatal if swallowed and enters airways.

**Delayed and immediate effects and also chronic effects from short and long-term exposure**

<b>Respiratory or skin sensitization</b>	dipentene (CAS 68956-56-9)	1	May cause an allergic skin reaction
<b>Germ cell mutagenicity</b>	No information available.		
<b>Carcinogenicity</b>	No information available		
<b>Reproductive toxicity</b>	No information available		
<b>STOT - single exposure</b>	Stoddard solvent (CAS 8052-41-3)	3	May cause respiratory irritation
	dipentene (CAS 68956-56-9)	3	May cause respiratory irritation
<b>STOT - repeated exposure</b>	No information available		
<b>Aspiration Hazard</b>	Stoddard solvent (CAS 8052-41-3)	1	May be fatal if swallowed and enters airways
	dipentene (CAS 68956-56-9)	1	May be fatal if swallowed and enters airways

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

See Section 2 &amp; 4.

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

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

Chemical Name	Fish	Waterflea	Algae
poly(oxy-1,2-ethanediyl), alpha-undecyl-omega-hydroxy-34398-01-1	5-10 mg/L: 96 h LC50	5-10 mg/L: 48 h EC50	10-100 mg/L: 72 h 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
propan-2-ol 67-63-0	4200 mg/L: 96 h Rasbora heteromorpha 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**

UN 3295, Hydrocarbons, Liquid, N.O.S. (mineral spirits), Class 3, PG III

**15. REGULATORY INFORMATION**

All ingredients are listed on the DSL

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

4 May, 2016

**Revision Date**

not applicable

**Revision Note**

not applicable

**Disclaimer**

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End of SDS