# SAFETY DATA SHEET



## 1. IDENTIFICATION

**Product Identifier**
**Product Name** ENVIROGEL

**Recommended use of the chemical and restrictions on use**
**Recommended use** 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 2A |
| Skin sensitizer | Category 1 |
| Specific target organ toxicity – single exposure | Category 3 |
| Aspiration hazard | Category 1 |

| | |
|---|---|
| Hazardous to the aquatic environment, acute hazard | Category 1 |

**Label Elements**

**DANGER**

**Hazard Statements**
Flammable liquid and vapor
Causes skin irritation
Causes serious eye irritation
May cause an allergic skin reaction
May cause respiratory irritation
May be fatal if swallowed and enters airways
Very toxic to aquatic life

**Precautionary Statements - Prevention**
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
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 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.

If eye irritation persists, get medical advice/attention.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. If skin irritation occurs: Get medical advice/attention.
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: 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.
Collect spillage.

**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 % |
|---|---|---|
| Stoddard solvent | 8052-41-3 | 30-60 |
| d-limonene | 5989-27-5 | 10-30 |
| diethylene glycol monobutyl ether | 112-34-5 | 10-30 |
| alcohols, C9-C11, ethoxylated | 68439-46-3 | 1-5 |
| hexane-1,6-diol | 629-11-8 | 0.1-1.0 |
| quartz | 14808-60-7 | 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 or rash occurs, get medical advice/attention. Take off contaminated clothing and wash before reuse.

**Inhalation** 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.

**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 irritation, 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 as well as 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. 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 into lungs.

**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 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. 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<br>8052-41-3 | TWA: 100 ppm TLV | TWA: 100 ppm/525 mg/m$^3$ | 20000 mg/m$^3$ |
| diethylene glycol monobutyl ether<br>112-34-5 | TWA: 10 ppm | Not available | Not available |
| d-limonene<br>5989-27-5 | TWA: 30 ppm/165.5 mg/m$^3$ (AIHA) | Not available | Not available |
| quartz<br>14808-60-7 | TWA: 0.025 mg/m$^3$ (respirable fraction) | PEL/TWA: 0.1 mg/m$^3$ (respirable fraction) | Not available |

**Appropriate engineering controls**

**Engineering Controls** Ensure adequate ventilation, especially in confined areas. Eye wash facilities and emergency shower must be made available when handling this product.

**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** Wear respiratory protection if ventilation is inadequate.

**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 :**
Opaque, brown liquid
**ODOR**
Citrus/solvent
**ODOR THRESHOLD :**
Not applicable
**pH :**
Not applicable
**MELTING POINT / FREEZING POINT :**
Approx. ≤-40°C
**BOILING POINT/BOILING RANGE :**
Approx. 169°C
**FLASH POINT :**
47°C (TCC)
**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:**
0.88
**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:** 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**
Avoid all sources of ignition: heat/open flame/hot surfaces. 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 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**
**$ATE_{mix}$** – LD50 oral – approx. ≥3930 mg/kg (rat), LD50 dermal – approx. >3377 mg/kg (rabbit), LC50 inhalation – mist – approx. >6 mg/L (rat) – 4 h

| Chemical Name | LD50 Oral | LD50 Dermal | LC50 Inhalation |
|---|---|---|---|
| Stoddard solvent<br>8052-41-3 | 5000 mg/kg (rat) | >3000 mg/kg (rabbit) | >14.1 mg/L/>5500 mg/m$^3$ (rat) – 4 h |
| diethylene glycol monobutyl ether<br>112-34-5 | 2410 mg/kg (rat) | 2764 mg/kg (rabbit) | >2.1 mg/ (rat) – 4 h NOEC |
| d-limonene<br>5989-27-5 | 4400 mg/kg (rat) | >5000 mg/kg (rabbit) | Not listed |
| alcohols, C9-C11, ethoxylated<br>68439-46-3 | >2000 mg/kg (rat) | >2000 mg/kg (rabbit) | Not listed |
| hexane-1,6-diol<br>629-11-8 | 3000 mg/kg (rat) | >2500 mg/kg (rat) | Not listed |
| quartz<br>14808-60-7 | 500 mg/kg (rat) | Not listed | Not listed |

**Information on likely sources of exposure**

**Inhalation** May cause respiratory irritation and possible damage
**Serious eye damage/irritation** Causes serious eye irritation.
**Skin corrosion/irritation** Causes skin irritation and possible sensitization or dermatitis.
**Ingestion** May be harmful if swallowed

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

| | | |
|---|---|---|
| **Respiratory or skin sensitization** | d-limonene (CAS 5989-27-5) | 1 May cause an allergic skin reaction |
| **Germ cell mutagenicity** | No information available. | |
| **Carcinogenicity** | No information available | |
| **Reproductive toxicity** | No information available | |
| **STOT - single exposure** | Stoddard solvent (CAS8052-41-3) | 3 May cause respiratory irritation or drowsiness/dizziness |
| | d-limonene (CAS 5989-27-5) | 3 May cause respiratory irritation |
| **STOT - repeated exposure** | No information available | |
| **Aspiration Hazard** | d-limonene (CAS 5989-27-5) | 1 May be fatal if swallowed and enters airways |

**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 |
|---|---|---|---|
| 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 |
| d-limonene 5989-27-5 | 0.702 mg/L: 96 h fathead minnow LC50 | 69.6 mg/L: 48 h daphnia pulex EC50 | Not available |
| 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 |
| hexane-1,6-diol 629-11-8 | 460-1000 mg/L: LC50 freshwater fish | 500 mg/L: 48 h daphnia magna 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** 15 November, 2016
**Revision Date** not applicable
**Revision Note** not applicable

**Disclaimer**
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**End of SDS**