

1. IDENTIFICATION

Product Identifier

Product Name ENVIROSOL

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
Acute toxicity, inhalation - vapors	Category 4
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 2

Label Elements

WARNING

Hazard Statements

Flammable liquid and vapor
Harmful if inhaled
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
Toxic to aquatic life



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.

If eye irritation persists, get medical advice/attention.

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 in a well ventilated place. Keep cool. Keep container tightly closed. 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
diethylene glycol monobutyl ether	112-34-5	10-30
d-limonene	5989-27-5	10-30
dipentene	68956-56-9	3-7
alcohols, C9-C11, ethoxylated	68439-46-3	1-5
ethylene glycol	107-21-1	1-5
solvent naphtha (petroleum) light aromatic	64742-95-6	1-5

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 serious damage leading to irritation, discomfort or pain, excess blinking and tear production with marked excess redness and swelling of the conjunctiva, blurred vision, and possible corneal injury. 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. 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 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: 100 ppm/525 mg/m ³	20000 mg/m ³
diethylene glycol monobutyl ether 112-34-5	TWA: 10 ppm	Not available	Not available
d-limonene 5989-27-5	TWA: 30 ppm/165.5 mg/m ³ (AIHA)	Not available	Not available
ethylene glycol 107-21-1	100 mg/m ³ Ceiling	50 ppm/125 mg/m ³ Ceiling	Not listed
solvent naphtha (petroleum) light aromatic 64742-95-6	Not available	TWA: 500 ppm/2000mg/m ³	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. Face shield where risk of exposure due to splashing exists.

Skin and body protection Wear protective gloves and protective clothing.

Respiratory Protection Wear respiratory protection if ventilation is inadequate. Respiratory protection in case of vapor/aerosol release.

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, yellow liquid	VAPOR PRESSURE, mm Hg AT 20°C : Not available
ODOR Citrus/solvent	VAPOR DENSITY (Air = 1) : Not available
ODOR THRESHOLD : Not applicable	RELATIVE DENSITY AT 20°C: 0.840-0.850
pH : Not applicable	SOLUBILITY IN WATER : Forms emulsion
MELTING POINT / FREEZING POINT : Approx. ≤-40°C	PARTITION COEFFICIENT, N-OCTANOL/WATER : Not available
BOILING POINT/BOILING RANGE : Not available	AUTO-IGNITION TEMPERATURE : Not available
FLASH POINT : 48°C (TCC), 61°C (COC)	DECOMPOSITION TEMPERATURE: Not available
EVAPORATION RATE, water = 1 : <1	VISCOSITY: Not available
FLAMMABILITY (SOLID, GAS): Not applicable	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 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 ³ (rat) – 4 h
diethylene glycol monobutyl ether 112-34-5	3384 mg/kg (rat)	2700 mg/kg (rabbit)	Not listed
d-limonene 5989-27-5	4400 mg/kg (rat)	>5000 mg/kg (rabbit)	Not listed
dipentene 68956-56-9	>2000 mg/kg (rat)	Not listed	Not listed
alcohols, C9-C11, ethoxylated 68439-46-3	>2000 mg/kg (rat)	>2000 mg/kg (rabbit)	Not listed
ethylene glycol 107-21-1	4000 mg/L (rat)	9530 uL/kg (rabbit)	Not listed
solvent naphtha (petroleum) light aromatic 64742-95-6	Not listed	>2000 mg/kg (rabbit)	3400 ppm/>5.2 mg/L (rat) – 4 h

Information on likely sources of exposure**Inhalation**

May cause respiratory irritation and possible damage

Serious eye damage/irritation

Causes serious eye damage.

Skin corrosion/irritation

Causes skin irritation and possible sensitization.

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
	dipentene (CAS 68956-56-9)	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	d-limonene (CAS 5989-27-5)	3	May cause respiratory irritation
	dipentene (CAS 68956-56-9)	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
	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 & 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
ethylene glycol 107-21-1	≤41000 mg/L: rainbow trout LC50	Not available	1300-6500 mg/L: selenastrum capricornutum EC50
solvent naphtha (petroleum) light aromatic 64742-95-6	9.22 mg/L: 96 h rainbow trout 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

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

6 April, 2016

Revision Date

not applicable

Revision Note

not applicable

Disclaimer

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End of SDS