

## 1. IDENTIFICATION

**Product Identifier**

**Product Name** PENETONE 1002D

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

**Recommended use** Demulsifier  
**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 2B
Carcinogenicity	Category 2
Reproductive toxicity	Category 2
Specific target organ toxicity – single exposure	Category 2
Specific target organ toxicity – single exposure	Category 3
Specific target organ toxicity – repeated exposure	Category 1
Specific target organ toxicity – repeated exposure	Category 2
Aspiration hazard	Category 2
Hazardous to the aquatic environment, acute hazard	Category 2
Hazardous to the aquatic environment, long-term hazard	Category 2

**Label Elements**

**DANGER**

**Hazard Statements**

- Flammable liquid and vapor
- Harmful if inhaled
- Causes skin/eye irritation
- Suspected of causing cancer (inhalation)
- Suspected of damaging fertility or the unborn child
- May cause damage to organs (lungs) (inhalation, oral)
- May cause respiratory irritation
- May cause drowsiness or dizziness
- Causes damage to organs (nervous system) through prolonged or repeated exposure (inhalation)
- May causes damage to organs (testis, kidneys, liver, ears, skin) through prolonged or repeated exposure
- May be harmful if swallowed and enters airways
- Toxic to aquatic life
- Toxic to aquatic life with long lasting effects



**Precautionary Statements - Prevention**

Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
 Keep container tightly closed.  
 Ground/bond container and receiving equipment.  
 Use explosion-proof electrical/lighting/ventilation equipment.  
 Use only non-sparking tools.  
 Take precautionary measures against static discharge.  
 Wear protective gloves/protective clothing/eye protection/face protection.  
 Wash face, hands and any exposed skin thoroughly after handling.  
 Do not breathe fume/gas/mist/vapors/spray.  
 Use only outdoors or in a well-ventilated area.  
 Do not eat, drink, or smoke when using this product.  
 Obtain special instructions before use.  
 Do not handle until all safety precautions have been read and understood.  
 Avoid release to the environment.  
 In case of fire: Use carbon dioxide, foam or dry chemical to extinguish.

**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): Wash with plenty of water. If skin irritation occurs, get medical advice/attention. Take off contaminated clothing and wash before reuse.  
 IF INHALED: If difficulties occur after fume/gas/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.  
 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.  
 If exposed or concerned: Get medical advice/attention if you feel unwell.  
 Collect spillage.

**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 %
xylenes	1330-20-7	60-100
alkoxylated alkyl phenol resin mixture	not available	10-30
solvent naphtha	64742-94-5	7-13
naphthalene	91-20-3	0.5-1.5

### 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. If eye irritation persists: Get medical advice/attention.
<b>Skin contact</b>	Wash with plenty of water. If skin irritation occurs, get medical advice/attention. Take off contaminated clothing and wash before reuse.
<b>Inhalation</b>	If difficulties occur after fume/gas/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 irritation, discomfort or pain, excess blinking and tear production with marked redness and swelling of the conjunctiva, and blurred vision. Contact with skin may be harmful if absorbed and cause irritation with local redness. Inhalation of fume/gas/mist/vapors/spray may cause respiratory tract irritation. Inhalation of vapors may cause drowsiness or dizziness, headaches, fatigue, muscular weakness and in extreme cases, loss of consciousness. Ingestion may be harmful and cause gastrointestinal irritation, nausea, vomiting and diarrhea. Ingestion may cause pneumonitis if aspirated. Material contains ingredients which may cause damage to the nervous system (CNS), liver, kidneys, lungs, ears, skin or testes through prolonged or repeated exposure. 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

High-volume water jet.

### Specific hazards arising from the chemical

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

### 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. Avoid breathing fume/gas/mist/vapors/spray. Put on personal protective equipment. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

### 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 contaminated 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 inhalation of fume/gas/mist/vapors/spray. Avoid contact with skin, eyes and clothing. Ensure thorough ventilation of work areas. Use personal protective equipment. Use explosion-proof equipment. Keep away from sources of ignition. Smoking should be prohibited in the application area.

### 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
xylene 1330-20-7	TWA: 100 ppm/434 mg/m <sup>3</sup> STEL: 150 ppm/651 mg/m <sup>3</sup>	TWA: 100 ppm/435 mg/m <sup>3</sup> STEL: 150 ppm/655 mg/m <sup>3</sup>	Not available
solvent naphtha 64742-94-5	Not available	TWA: 100 ppm/400 mg/m <sup>3</sup> PEL: 100 ppm/400 mg/m <sup>3</sup>	Not available
naphthalene 91-20-3	TWA: 10 ppm STEL: 15 ppm	TWA: 10 ppm/50 mg/m <sup>3</sup> STEL: 15 ppm/75 mg/m <sup>3</sup>	Not available

### Appropriate engineering controls

#### Engineering Controls

Ensure adequate ventilation, especially in confined areas.

### Individual protection measures, such as personal protective equipment

#### Eye/face Protection

Safety glasses with side shields or goggles. Use a face-shield where mode of handling

increases risk of splashing.

**Skin and body protection**

Wear protective gloves and protective clothing.

**Respiratory Protection**

Wear respiratory protection if ventilation is inadequate. Use 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, brown liquid

**ODOR**

Solvent

**ODOR THRESHOLD :**

0.7-40 ppm

**pH :**

Not applicable

**MELTING POINT / FREEZING POINT :**

< -40°C

**BOILING POINT/BOILING RANGE :**

135-145°C

**FLASH POINT :**

25°C (TCC)

**EVAPORATION RATE, water = 1 :**

>1

**FLAMMABILITY (SOLID, GAS):**

Not applicable

**VAPOR PRESSURE, mm Hg AT 20°C :**

Not available

**VAPOR DENSITY (Air = 1) :**

3-4

**RELATIVE DENSITY AT 20°C:**

0.900-0.950

**SOLUBILITY IN WATER :**

Insoluble

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

Not available

**AUTO-IGNITION TEMPERATURE :**

432-530°C

**DECOMPOSITION TEMPERATURE:**

Not available

**VISCOSITY:**

Not available

**FLAMMABLE LIMITS :**

UPPER: 1% v/v      LOWER: 7% v/v

## 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 extreme temperatures. 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**

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
xylenes 1330-20-7	3500-4300 mg/kg (rat)	>2000 mg/kg (rabbit)	>20 mg/L (rat) – 4 h 5000 ppm (rat) – 4 h
solvent naphtha 64742-94-5	>2000 mg/kg (rat)	>2000 mg/kg (rabbit)	>5 mg/L (rat) – 4 h
naphthalene 91-20-3	490 mg/kg (rat)	>20000 mg/kg (rabbit)	>340 mg/m <sup>3</sup> (rat) – 1 h

**Information on likely sources of exposure**

<b>Inhalation</b>	May cause respiratory irritation, drowsiness or dizziness.
<b>Serious eye damage/irritation</b>	May cause pain, watering, redness, and blurred vision.
<b>Skin corrosion/irritation</b>	Causes skin irritation, possible dermatitis with prolonged exposure.
<b>Ingestion</b>	May be harmful if swallowed. May cause stomach pains and other delayed effects.

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

<b>Respiratory or skin sensitization</b>	Not a sensitizer.	
<b>Germ cell mutagenicity</b>	None known.	
<b>Carcinogenicity</b>	xylenes (CAS 1330-20-7)	2 Suspected of causing cancer (inhalation)
<b>Reproductive toxicity</b>	xylenes (CAS 1330-20-7)	2 Suspected of damaging fertility or the unborn child
<b>STOT - single exposure</b>	xylenes (CAS 1330-20-7)	3 May cause drowsiness or dizziness; narcotic effects
	xylenes (CAS 1330-20-7)	3 May cause respiratory irritation
<b>STOT - repeated exposure</b>	xylenes (CAS 1330-20-7)	1 Causes damage to organs (lungs) (inhalation, oral)
	xylenes (CAS 1330-20-7)	1 Causes damage to organs (nervous system) through prolonged or repeated exposure (inhalation)
	xylenes (CAS 1330-20-7)	2 May causes damage to organs (kidneys, ears) through prolonged or repeated exposure
<b>Aspiration Hazard</b>	xylenes (CAS 1330-20-7)	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
xylenes 1330-20-7	1-10 mg/L: 96 h LC50	1-10 mg/L: 48 h EC50	1-10 mg/L: 72 h EC50
solvent naphtha 64742-94-5	41 mg/L: 96 h pimephales promelas LC50	0.95 mg/L: 48 h daphnia magna EC50	<1 mg/L: 96 h skeletonema costatum EC50

**Persistence and degradability**

Expected to be readily biodegradable.

**Bioaccumulative potential**

Indication of accumulation in organisms.

**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 1307, Xylenes, Class 3, PG III

**15. REGULATORY INFORMATION**

All ingredients are listed on the DSL

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

20 July, 2016

**Revision Date**

not applicable

**Revision Note**

not applicable

Disclaimer

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**End of SDS**