

## 1. IDENTIFICATION

### Product Identifier

**Product Name** PENETONE 7302M  
**Chemical Name** Friction reducer

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

**Recommended use** Flow assurance and pipeline pigging applications  
**Restrictions on use** No information available

### Supplier details

West Penetone Inc.  
11411-160 Street  
Edmonton, AB,  
T5M3T7  
Tel: 780-454-3919

### Emergency Telephone Number

Canutec (613)-996-6666 or 1-888-226-8832 – FOR 24 HOUR TRANSPORT EMERGENCY WITHIN CANADA  
Chemtrec 1-800-424-9300 – FOR 24 HOUR TRANSPORT EMERGENCY WITHIN USA

## 2. HAZARDS IDENTIFICATION

### Classification

|  |            |
|--|------------|
| Flammable liquids                                      | Category 3 |
| Skin corrosion/irritation                              | Category 2 |
| Serious eye damage/eye irritation                      | Category 1 |
| Specific target organ toxicity – single exposure       | Category 3 |
| Specific target organ toxicity – repeated exposure     | Category 2 |
| 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 respiratory irritation, drowsiness, or dizziness  
May cause damage to organs <liver, bone, skin> through prolonged or repeated exposure  
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, hot surfaces, sparks, open flames, and other ignition sources. No smoking.  
Keep container tightly closed.  
Ground and bond container and receiving equipment.  
Use explosion proof equipment.  
Use non-sparking tools  
Take action to prevent static discharges.

Do not breathe 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.  
Avoid release to the environment.  
Wear protective gloves/protective clothing/eye protection/face protection.

#### **Precautionary Statements - Response**

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 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 exposed or concerned: Get medical advice/attention if you feel unwell.  
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 container tightly closed. Keep cool.

#### **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 % |
|---|------------|----------|
| xylene                                      | 1330-20-7  | 60-100   |
| alcohols, C9-C11, ethoxylated               | 68439-46-3 | 10-30    |
| distillates (petroleum straight run middle) | 64741-44-2 | 1-5      |

### **4. FIRST AID MEASURES**

|                     |  |
|---------------------|--|
| <b>Ingestion</b>    | Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.   |
| <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>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.                           |

#### **Most important symptoms and effects, both acute and delayed**

Contact with eyes may cause serious eye damage leading to irritation, discomfort or pain, excess blinking and tear production with marked redness and swelling of the conjunctiva, blurred vision, and possible corneal injury. Contact with skin may 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 cause gastrointestinal irritation, nausea, vomiting and diarrhea. Ingestion may cause pneumonitis if aspirated. Material contains ingredients that may cause damage to the nervous system (CNS), liver, bone, or skin through prolonged or repeated exposure.

#### **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 nitrogen.

**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**

Strong acids, strong oxidizing or reducing 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<br>1330-20-7 | TWA: 100 ppm/434 mg/m <sup>3</sup><br>STEL: 150 ppm/651 mg/m <sup>3</sup> | TWA: 100 ppm/435 mg/m <sup>3</sup><br>STEL: 150 ppm/655 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/aromatic

**ODOR THRESHOLD:**

Not available

**pH:**

Not applicable

**MELTING POINT / FREEZING POINT:**

&lt; -40°C (&lt;-40°F)

**BOILING POINT/BOILING RANGE:**

Approx. 138°C (280°F)

**FLASH POINT:**

&lt;37.8°C (&lt;100°F) (TCC)

**EVAPORATION RATE, water = 1:**

&gt;1

**FLAMMABILITY (SOLID, GAS):**

Not applicable

**VAPOR PRESSURE, mm Hg AT 20°C (68°F):**

Not available

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

&gt;3

**RELATIVE DENSITY AT 20°C (68°F):**

0.800-0.900

**SOLUBILITY IN WATER:**

Forms emulsion

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

Not available

**AUTO-IGNITION TEMPERATURE:**

432-530°C (810-986°F)

**DECOMPOSITION TEMPERATURE:**

Not available

**VISCOSITY:**

Not available

**FLAMMABLE LIMITS:****UPPER:** 7% v/v      **LOWER:** 1% 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**

Strong acids, strong oxidizing or reducing 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 and nitrogen as well as other low molecular weight hydrocarbons.

**11. TOXICOLOGICAL INFORMATION****Acute toxicity****ATE<sub>mix</sub>** – LD50 oral – approx. >3250 mg/kg (rat), LD50 dermal – approx. >2000 mg/kg (rabbit), LC50 inhalation-vapor – approx. >20 mg/L (rat) – 4 h

| Chemical Name   | LD50 Oral             | LD50 Dermal          | LC50 Inhalation                              |
|---|-----------------------|----------------------|--|
| xylenes<br>1330-20-7                                      | 3500-4300 mg/kg (rat) | >2000 mg/kg (rabbit) | >20 mg/L (rat) – 4 h<br>5000 ppm (rat) – 4 h |
| alcohols, C9-C11, ethoxylated<br>68439-46-3               | >2000 mg/kg (rat)     | >2000 mg/kg (rabbit) | Not listed                                   |
| Distillates (petroleum straight run middle)<br>64741-44-2 | Not available         | Not available        | 32.35 mg/L (rat) 4 h                         |

**Information on likely sources of exposure****Ingestion**

May be harmful if swallowed. May cause stomach pains and other effects.

**Skin corrosion/irritation**

Causes skin irritation possible dermatitis with prolonged exposure.

**Inhalation**

May cause respiratory irritation, drowsiness, or dizziness.

**Serious eye damage/irritation**

Causes eye damage. May cause pain, watering, redness, and blurred vision.

**Delayed and immediate effects and chronic effects from short and long-term exposure****Respiratory or skin sensitization**

Not a sensitizer.

**Germ cell mutagenicity**

None known.

**Carcinogenicity**

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 (skin) 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<br>1330-20-7                        | 1-10 mg/L: 96 h LC50 | 1-10 mg/L: 48 h EC50 | 1-10 mg/L: 72 h EC50   |
| alcohols, C9-C11, ethoxylated<br>68439-46-3 | 5-10 mg/L: 96 h LC50 | 5-10 mg/L: 48 h EC50 | 10-100 mg/L: 72 h EC50 |

**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**

|  |                                    |
|--|------------------------------------|
| UN Number:   | 1993                               |
| UN Proper Shipping Name:   | Flammable Liquid, N.O.S. (xylenes) |
| Transport Hazard Class(es)   |                                    |
| Class:   | TDG: 3                             |
|  | US DOT: 3                          |
|  | IMDG: 3                            |
| Label(s):  | 3                                  |
| Packing Group:   | III                                |
| Marine Pollutant:  | No                                 |
| Special precautions for user:  | None established                   |
| Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: | Not determined                     |

**15. REGULATORY INFORMATION**

## Canada (DSL/NDSL)

All ingredients contained in this product are in compliance with the Canadian Environmental Protection Act and are listed on the DSL or are exempt.

## United States (TSCA)

All ingredients contained in this product are listed on the TSCA inventory or are exempt.

## HMIS Information:

|               |   |
|---------------|---|
| Health:       | 2 |
| Flammability: | 2 |
| Reactivity:   | 0 |

**16. OTHER INFORMATION**

|                         |                |
|-------------------------|----------------|
| <u>Preparation Date</u> | 3 July 2020    |
| <u>Revision Date</u>    | not applicable |
| <u>Revision Note</u>    | not applicable |

**Disclaimer**

The information provided on this SDS is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

**End of SDS**