SAFETY DATA SHEET

1. IDENTIFICATION

Product Identifier
Product Name PENETONE 1001D

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, dermal	Category 4
Acute toxicity, inhalation - gases	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

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

Precautionary Statements - Prevention
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. 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.
Do not breathe fume/gas/mist/vapors/spray.
Wash face, hands and any exposed skin thoroughly after handling.
Do not eat, drink, or smoke when using this product.
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 SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Rinse mouth. Do NOT induce vomiting.
IF ON SKIN (or hair): Take off immediately all contaminated clothing and wash it before reuse. Rinse skin with water or shower. If skin irritation occurs: Get medical advice/attention. Call a POISON CENTER or doctor/physician if you feel unwell.
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.
If eye irritation persists: Get medical advice/attention.
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 %
xylenes	1330-20-7	40-70
solvent naphtha (petroleum), light aromatic	64742-95-6	10-30
pseudocumene	95-63-6	5-10
alkylaryl sulfonates	68425-60-5	5-10
alkylaryl sulfonates	68425-61-6	5-10
mesitylene	108-67-8	1-5
2-ethylhexanol	104-76-7	1-5
alkoxylated alkyl phenol resin	30704-64-4	0.5-1.5
1,2,3-trimethylbenzene	526-73-8	0.5-1.5

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 occurs, get medical advice/attention. Take off contaminated clothing and wash before reuse.

Inhalation — 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.

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 redness and swelling of the conjunctiva, and blurred vision. Contact with skin may be harmful if absorbed, cause irritation with local redness, and may dry skin with prolonged or repeated exposure. 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 nausea or vomiting as well as 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 and sulfur.

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
xylenes 1330-20-7	TWA: 100 ppm/434 mg/m^3 STEL: 150 ppm/651 mg/m^3	TWA: 100 ppm/435 mg/m^3 STEL: 150 ppm/655 mg/m^3	Not available
solvent naphtha (petroleum), light aromatic 64742-95-6	Not available	TWA: 500 ppm/2000mg/m^3	Not available
pseudocumene 95-63-6	TWA: 25 ppm/123mg/m^3	TWA: 25 ppm/125mg/m^3	25 ppm (REL)
mesitylene 108-67-8	TWA: 25 ppm/123mg/m^3	TWA: 25 ppm/125mg/m^3	25 ppm (REL)

1,2,3-trimethylbenzene 526-73-8	TWA: 25 ppm/123mg/m^3	TWA: 25 ppm/125mg/m^3	25 ppm (REL)

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 :
< -40ºC
BOILING POINT/BOILING RANGE :
135-145ºC
FLASH POINT :
25ºC (TCC)
EVAPORATION RATE, water = 1 :
>1
FLAMMABILITY (SOLID, GAS):
Not applicable

VAPOR PRESSURE, mm Hg AT 20ºC :
Not available
VAPOR DENSITY (Air = 1) :
3-4
RELATIVE DENSITY AT 20ºC:
0.900-0.950
SOLUBILITY IN WATER :
Insoluble
PARTITION COEFFICIENT, N-OCTANOL/WATER :
Not available
AUTO-IGNITION TEMPERATURE :
432-530ºC
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 and sulfur as well as other low molecular weight hydrocarbons.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

ATE_{mix} – LD50 oral – approx. ≥3102 mg/kg (rat), LD50 dermal – approx. ≥1705 mg/kg (rat), LC50 inhalation-gas – approx. ≥5175 ppm – 4 h (rat)

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 (petroleum) light aromatic 64742-95-6	Not listed	>2000 mg/kg (rabbit)	3400 ppm/>5.2 mg/L (rat) – 4 h
pseudocumene 95-63-6	5000 mg/kg (rat)	Not listed	18 mg/L (rat) – 4 h
alkylaryl sulfonates 68425-60-5	>1400 mg/kg (rat)	Not listed	Not listed
alkylaryl sulfonates 68425-61-6	>1400 mg/kg (rat)	Not listed	Not listed
mesitylene 108-67-8	5000 mg/kg (rat)	Not listed	24 mg/L (rat) – 4 h
2-ethylhexanol 104-76-7	>3000 mg/kg (rat)	>1970 mg/kg (rabbit)	Not listed
alkoxylated alkyl phenol resin 30704-64-4	Not listed	Not listed	Not listed
1,2,3-trimethylbenzene 526-73-8	Not listed	Not listed	Not listed

Information on likely sources of exposure

Inhalation May cause respiratory irritation, drowsiness or dizziness.
Serious eye damage/irritation May cause pain, watering, redness, and blurred vision.
Skin corrosion/irritation Causes skin irritation, possible dermatitis with prolonged exposure.
Ingestion 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

Respiratory or skin sensitization	Not a sensitizer.		
Germ cell mutagenicity	mesitylene (CAS 108-67-8)	2	Suspected of causing genetic defects
Carcinogenicity	xylenes (CAS 1330-20-7)	2	Suspected of causing cancer (inhalation)
Reproductive toxicity	xylenes (CAS 1330-20-7)	2	Suspected of damaging fertility or the unborn child
	2-ethylhexanol (CAS 104-76-7)	2	Suspected of damaging fertility or the unborn child
STOT - single exposure	xylenes (CAS 1330-20-7)	3	May cause drowsiness or dizziness; narcotic effects
	xylenes (CAS 1330-20-7)	3	May cause respiratory irritation
	solvent naphtha (petroleum) light aromatic (CAS 64742-95-6)	3	May cause respiratory irritation
	xylenes (CAS 1330-20-7)	1	Causes damage to organs (lungs) (inhalation, oral)
STOT - repeated exposure	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
	2-ethylhexanol (CAS 104-76-7)	2	May causes damage to organs (kidneys, liver) through prolonged or repeated exposure (oral)
Aspiration Hazard	xylenes (CAS 1330-20-7)	1	May be fatal if swallowed and enters airways
	solvent naphtha (petroleum) light aromatic (CAS 64742-95-6)	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
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 (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
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 3295, Hydrocarbons, Liquid, N.O.S. (xylenes), Class 3, PG III

15. REGULATORY INFORMATION

All ingredients are listed on the DSL

16. OTHER INFORMATION

Preparation Date 21 February 2018
Revision Date not applicable
Revision Note not applicable

Disclaimer
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End of SDS