SAFETY DATA SHEET

1. IDENTIFICATION

Product Identifier
Product Name PENETONE 4017P

Recommended use of the chemical and restrictions on use
Recommended use Paraffin dispersant
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 2

Acute toxicity, oral	Category 4
Acute toxicity, dermal	Category 4
Acute toxicity, inhalation - vapors	Category 4
Skin corrosion/irritation	Category 1
Serious eye damage/eye irritation	Category 1
Carcinogenicity	Category 2
Reproductive toxicity	Category 2
Specific target organ toxicity – single exposure	Category 1
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 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
Highly flammable liquid and vapor
Harmful if swallowed
Harmful in contact with skin
Harmful if inhaled
Causes severe skin burns and eye damage
Suspected of causing cancer (inhalation)
Suspected of damaging fertility or the unborn child
Causes 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 cause damage to organs (kidneys, ears) through prolonged or repeated exposure (inhalation, oral, skin)
May be fatal if swallowed and enters airways
Toxic to aquatic life
Harmful to aquatic life with long lasting effects

Precautionary Statements - Prevention
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
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.
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 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 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. Immediately call a POISON CENTER or doctor/physician.
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.
IF exposed or concerned: Get medical advice/attention.
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	60-100
alkyl (C10-16) benzenesulfonic acid	27176-87-0	10-30
methanol	67-56-1	7-13

4. FIRST AID MEASURES

Eye contact — 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.

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. Immediately call a POISON CENTER or doctor/physician.

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 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 be harmful if absorbed and cause irritation with local redness. Inhalation of fume/gas/mist/vapors/spray may be harmful and 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 into lungs. 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, bases, 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
methanol 67-56-1	TWA: 200 ppm STEL: 250 ppm	TWA: 200 ppm/260 mg/m^3 STEL: 250 ppm/325 mg/m^3	TWA: 200 ppm/260 mg/m^3 STEL: 250 ppm/325 mg/m^3

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. 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 :
Not available
pH :
Not applicable
MELTING POINT / FREEZING POINT :
< -40°C
BOILING POINT/BOILING RANGE :
Not available
FLASH POINT :
Approx. 9-11°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) :
Not available
RELATIVE DENSITY AT 20°C:
0.750-0.800
SOLUBILITY IN WATER :
Forms temporary 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 extreme temperatures. Store away from incompatible materials.

Incompatible Materials
Acids, bases, 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. ≥ 762 mg/kg (rat), LD50 dermal – approx. ≥ 1277 mg/kg (rabbit), LC50 inhalation-vapors – approx. ≥ 15 mg/L – 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
alkyl (C10-16) benzenesulfonic acid 27176-87-0	500-2000 mg/kg (rat)	>2000 mg/kg (rabbit)	Not listed
methanol 67-56-1	100 mg/kg (rat)	300 mg/kg (rabbit)	5 mg/L (rat)

Information on likely sources of exposure

Inhalation May cause respiratory irritation, drowsiness or dizziness.
Serious eye damage/irritation Causes eye damage. 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	None known.	
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
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
	xylenes (CAS 1330-20-7)	1 Causes damage to organs (lungs) (inhalation, oral)
	methanol (CAS 67-56-1)	1 Causes damage to eyes, central nervous system
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
Aspiration Hazard	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 & 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
alkyl (C10-16) benzenesulfonic acid 27176-87-0	1.67 mg/L: 96 h LC50	2.4 mg/L: 48 h EC50	47.3 mg/L: 72 h EC50
methanol 67-56-1	15400 mg/L: 96 h Lepomis macrochirus LC50	>10000 mg/L: 48 h Daphnia magna EC50	22000 mg/L: 96 h Scenedesmus capricornutum 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

TDG classification

UN 1992, Flammable Liquid, Toxic, N.O.S. (contains methanol), Class 3 (6.1), PG II

15. REGULATORY INFORMATION

All ingredients are listed on the DSL

16. OTHER INFORMATION

Preparation Date 25 November, 2016
Revision Date not applicable
Revision Note not applicable

Disclaimer
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End of SDS