

## 1. IDENTIFICATION

**Product Identifier**

**Product Name** SCAVEX VP

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

**Recommended use** High-temperature, water-soluble hydrogen sulfide scavenger  
**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, oral	Category 4
Acute toxicity, dermal	Category 3
Acute toxicity, inhalation	Category 4
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 1
Skin sensitizer	Category 1B
Specific target organ toxicity – single exposure	Category 1
Specific target organ toxicity – repeated exposure	Category 2
Hazardous to the aquatic environment, acute hazard	Category 2

**Label Elements**

**DANGER**

**Hazard Statements**

Flammable liquid and vapor  
Harmful if swallowed or inhaled  
Toxic in contact with skin  
Causes skin irritation  
Causes serious eye damage  
May cause an allergic skin reaction  
Causes damage to organs  
May cause damage to organs through prolonged or repeated exposure  
Toxic to aquatic life



**Precautionary Statements - Prevention**

Keep away from open flame.  
Keep container tightly closed.  
Avoid breathing 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.  
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. 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. Call a POISON CENTER or doctor/physician if you feel unwell.  
IF SWALLOWED: Rinse mouth. Immediately call a POISON CENTER or doctor/physician.

#### **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 %
methanol	67-56-1	10-30
1,3,5-triazine, hexahydro-1,3,5-trimethyl-	108-74-7	10-30
morpholine	110-91-8	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. Call a POISON CENTER or doctor/physician if you feel unwell. If skin irritation or rash occurs, get medical advice/attention. Take off immediately all contaminated clothing and wash it before re-use.

**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. Immediately call a POISON CENTER or doctor/physician.

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

Contact with eyes causes serious irritation leading to stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result from prolonged exposure. Contact with skin causes irritation leading to local redness and pain. Inhalation may cause damage to central nervous system and also lead to lung damage after repeated exposure. Ingestion may affect the liver and kidneys as indicated in animal studies. Over exposure may cause nausea, diarrhea, coughing, headache.

#### **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. Remove all sources of ignition. Avoid contact with skin, eyes and clothing. Use personal protective equipment. High risk of slipping due to product leakage/spillage.

**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, dike, 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. Smoking, eating and drinking 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, 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
methanol 67-56-1	TWA: 200 ppm STEL: 250 ppm	TWA: 200 ppm/260 mg/m <sup>3</sup> STEL: 250 ppm/325 mg/m <sup>3</sup>	TWA: 200 ppm/260 mg/m <sup>3</sup> STEL: 250 ppm/325 mg/m <sup>3</sup>
morpholine 110-91-8	TWA: 20 ppm	20 ppm/70 mg/m <sup>3</sup>	Not listed

**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.

**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**

<b>APPEARANCE :</b> Clear, colorless liquid	<b>VAPOR PRESSURE, mm Hg AT 20°C :</b> Not available
<b>ODOR</b> Amine	<b>VAPOR DENSITY (Air = 1) :</b> Not available
<b>ODOR THRESHOLD :</b> Not applicable	<b>RELATIVE DENSITY AT 20°C:</b> 0.970-0.980
<b>pH :</b> 10.0-11.0	<b>SOLUBILITY IN WATER :</b> Complete
<b>MELTING POINT / FREEZING POINT :</b> ≤ -40°C	<b>PARTITION COEFFICIENT, N-OCTANOL/WATER :</b> Not available
<b>BOILING POINT/BOILING RANGE :</b> Not available	<b>AUTO-IGNITION TEMPERATURE :</b> Not available
<b>FLASH POINT :</b> 32°C (TCC)	<b>DECOMPOSITION TEMPERATURE:</b> Not available
<b>EVAPORATION RATE, water = 1 :</b> >1	<b>VISCOSITY:</b> Not available
<b>FLAMMABILITY (SOLID, GAS):</b> Not applicable	<b>FLAMMABLE LIMITS :</b> <b>UPPER:</b> Not available <b>LOWER :</b> 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: open flame. Store away from incompatible materials.

**Incompatible Materials**

Strong oxidizing materials, acids, amphoteric or light metals.

**Hazardous decomposition products**

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Thermal decompositions 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**

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
methanol 67-56-1	100 mg/kg (rat)	300 mg/kg (rabbit)	5 mg/L (rat)
1,3,4-triazine, hexahydro-1,3,5-trimethyl- 108-74-7	500 mg/kg (rat)	Not listed	Not listed
morpholine 110-91-8	1910 mg/kg (rat)	500 mg/kg (rabbit)	Not listed

**Information on likely sources of exposure**

<b>Inhalation</b>	May cause respiratory irritation and possible damage
<b>Serious eye damage/irritation</b>	Causes serious eye damage.
<b>Skin corrosion/irritation</b>	Causes skin irritation and possible sensitization.
<b>Ingestion</b>	May be harmful if swallowed

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

<b>Respiratory or skin sensitization</b>	1,3,5-triazine, hexahydro-1,3,5-trimethyl- (CAS 108-74-7) - 1B May cause an allergic skin reaction
<b>Germ cell mutagenicity</b>	No information available.
<b>Carcinogenicity</b>	Morpholine (CAS 110-91-8) - under certain conditions, forms nitrosamines, an animal study carcinogen
<b>Reproductive toxicity</b>	1,3,5-triazine, hexahydro-1,3,5-trimethyl- (CAS 108-74-7) – OECD 422 oral rat NOAEL >100 mg/L, 28 d

**STOT - single exposure** Methanol (CAS67-56-1) - 1 Causes damage to eyes, central nervous system  
**STOT - repeated exposure** 1,3,5-triazine, hexahydro-1,3,5-trimethyl- (CAS 108-74-7) – respiratory tract irritant  
**Aspiration Hazard** None.

**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
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
1,3,4-triazine, hexahydro-1,3,5-trimethyl- 108-74-7	>1.908 mg/L: 96 h LC50	20.352 mg/L: 48 h LC50 Crustaceans	1.145 mg/L: 72 h EC50
morpholine 110-91-8	180 mg/L: 96 h salmo gairdneri, syn. O. mykiss LC50	45 mg/L: 48 h Daphnia magna EC50	28 mg/L: 96 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

**TDG classification**

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

## 15. REGULATORY INFORMATION

All ingredients are listed on the DSL

## 16. OTHER INFORMATION

**Preparation Date**

23 March, 2016

**Revision Date**

not applicable

**Revision Note**

not applicable

**Disclaimer**

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End of SDS