

1. IDENTIFICATION

Product Identifier

Product Name

SCAVEX OS

Chemical Name

Metal carboxylate-type hydrogen sulfide scavenger

Recommended use of the chemical and restrictions on use

Recommended use

Oil-soluble hydrogen sulfide control applications

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 1-(613)-996-6666 Internationally or 1-888-226-8832 – North America FOR 24 HOUR TRANSPORT EMERGENCY

2. HAZARDS IDENTIFICATION

Classification

Flammable liquids	Category 3
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A
Carcinogenicity	Category 2
Reproductive toxicity	Category 2
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 2

Label Elements

DANGER

Hazard Statements

Flammable liquid and vapor

May cause skin and serious eye irritation

Suspected of causing cancer and damaging fertility or the unborn child

May cause respiratory irritation; drowsiness or dizziness

May cause damage to organs <blood, kidneys, lungs, nervous system, liver, central nervous system> through prolonged or repeated exposure <<dermal, eye, inhalation>>

May be fatal if swallowed and enters airways

Toxic 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/hot surfaces/sparks/open flames and other ignition sources. No smoking.
 Keep container tightly closed.
 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 SWALLOWED: Rinse mouth. Do NOT induce vomiting. 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 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.
 Get medical advice/attention if you feel unwell.
 In case of fire: Use carbon dioxide, foam or dry chemical to extinguish.
 Collect spillage.

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 %
zinc salt, 2-ethylhexanoic acid	136-53-8	30-60
Stoddard solvent	8052-41-3	15-40
solvent naphtha (petroleum), heavy aromatic	64742-48-9	10-30
calcium dodecylbenzene sulfonate	26264-06-2	0.5-1.5
nonane*	111-84-2	0.5-1.5
pseudocumene*	95-63-6	0.5-1.5
xylenes*	1330-20-7	<0.4
ethylbenzene*	100-41-4	<0.2
naphthalene*	91-20-3	<0.2

* Components of Stoddard solvent CAS 8052-41-3

4. FIRST AID MEASURES

Ingestion	Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.
Skin contact	Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs, get medical advice/attention. Wash contaminated clothing before reuse.
Inhalation	Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.
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.

Most important symptoms and effects, both acute and delayed

Contact with eyes may cause serious irritation, discomfort or pain, excess blinking and tear production with marked excess redness and swelling of the conjunctiva, or blurred vision. Contact with skin may cause irritation with local redness. Inhalation of mist/vapors/spray may cause drowsiness or dizziness as well as irritation of the mucous membranes and upper respiratory tract leading to a burning sensation of the nose and throat, coughing, and difficulty breathing. Ingestion may cause irritation or a burning sensation of the mouth and throat and abdominal pain accompanied by nausea or

vomiting. Aspiration into the respiratory system during ingestion or from vomiting may cause mild to severe pulmonary injury and possibly death. Product contains materials that cause damage to the nervous system (CNS), liver, blood, kidneys, gastrointestinal tract, upper respiratory tract, skin, eyes, lens or cornea, testes. 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, nitrogen, and zinc, and other irritating gases.

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. Do not breathe vapor or mist. Wear appropriate respirator when ventilation is inadequate. Put on personal protective equipment. Remove all sources of ignition. Evacuate personnel to safe 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 the 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 contact with skin, eyes and clothing. Ensure thorough ventilation of work areas. Do not handle or store near sources of ignition. Use recommended personal protective equipment. 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

Strong oxidizing materials, acids.

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
Stoddard solvent 8052-41-3	TWA: 100 ppm TLV	TWA: 100 ppm/525 mg/m ³	20000 mg/m ³
solvent naphtha (petroleum), heavy aromatic 64742-48-9	TWA: 1200 ppm	Not available	Not available
pseudocumene 95-63-6	TWA: 25 ppm/123mg/m ³	TWA: 25 ppm/125mg/m ³	25 ppm (REL)
xylene 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
ethylbenzene 100-41-4	TWA: 20 ppm	TWA: 100 ppm/435 mg/m ³ STEL: 125 ppm/545 mg/m ³	Not available
naphthalene 91-20-3	TWA: 10 ppm	TWA: 15 ppm/50 mg/m ³ STEL: 75 mg/m ³	Not available

Appropriate engineering controls**Engineering Controls**

Ensure adequate ventilation, especially in confined areas. Eyewash 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 and/or face-shield.

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

APPEARANCE:

Yellow liquid

ODOR:

Aromatic

ODOR THRESHOLD:

Not applicable

pH:

Not applicable

MELTING POINT / FREEZING POINT:

≤ -30°C (≤ -22°F)

BOILING POINT/BOILING RANGE:

Approx. 160°C / 320°F

FLASH POINT:

Approx. 43°C / 109°F (TCC)

EVAPORATION RATE, water = 1:

<1

FLAMMABILITY (SOLID, GAS):

Not applicable

VAPOR PRESSURE, mm Hg AT 20°C (68°F):

Not available

VAPOR DENSITY (Air = 1):

>1

RELATIVE DENSITY AT 20°C (68°F):

1.015-1.025

SOLUBILITY IN WATER:

Insoluble

PARTITION COEFFICIENT, N-OCTANOL/WATER:

Not available

AUTO-IGNITION TEMPERATURE:

>255°C / >491°F

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

Store away from incompatible materials.

Incompatible Materials

Strong oxidizing materials, acids.

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, nitrogen, and zinc as well as other low molecular weight hydrocarbons.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

ATE_{mix} – LD50 oral – approx. ≥5700 mg/kg (rat), LD50 dermal – approx. ≥2800 mg/kg (rabbit), LC50 inhalation-mist – approx. ≥35 mg/L – 4 h (rat)

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
zinc salt, 2-ethylhexanoic acid 136-53-8	>5000 mg/kg (rat)	Not listed	Not listed
Stoddard solvent 8052-41-3	5000 mg/kg (rat)	>3000 mg/kg (rabbit)	>14.1 mg/L/>5500 mg/m ³ (rat) – 4 h
solvent naphtha (petroleum), heavy aromatic 64742-48-9	>5000 mg/kg (rat)	>2000 mg/kg (rabbit)	Not listed
calcium dodecylbenzene sulfonate 26264-06-2	1300 mg/kg (rat)	>2000 mg/kg (rabbit)	Not listed
nonane* 111-84-2	Not listed	Not listed	Not listed
pseudocumene* 95-63-6	5000 mg/kg (rat)	Not listed	18 mg/L (rat) – 4 h
xylene* 1330-20-7	3500-4300 mg/kg (rat)	>2000 mg/kg (rabbit)	>20 mg/L (rat) – 4 h 5000 ppm (rat) – 4 h
ethylbenzene* 100-41-4	3500 mg/kg (rat)	15400 mg/kg (rabbit)	Not listed
naphthalene* 91-20-3	Not listed	Not listed	Not listed

*Components of Stoddard solvent (CAS 8052-41-3)

Information on likely sources of exposure

Ingestion	May be harmful if swallowed. May cause stomach pains.
Skin corrosion/irritation	May cause skin irritation, redness and possible dermatitis.
Inhalation	May cause coughing and respiratory irritation.
Serious eye damage/irritation	May cause serious eye irritation. May cause pain, watering and redness.

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	ethylbenzene (CAS 100-41-4) naphthalene (CAS 91-20-3) xylene (CAS 1330-20-7) xylene (CAS 1330-20-7) xylene (CAS 1330-20-7) xylene (CAS 1330-20-7)
Reproductive toxicity	2 Suspected human carcinogen 2 Suspected human carcinogen 2 Suspect human reproductive toxicant 3 May cause respiratory irritation 2 May cause dermatitis and TO damage 1 May be fatal if swallowed and enters airways
STOT - single exposure	
STOT - repeated exposure	
Aspiration Hazard	

Symptoms related to the physical, chemical and toxicological characteristics

Skin and eye irritation. Ingestion may cause irritation of mouth, esophagus and stomach, abdominal pain, nausea, vomiting, and diarrhea. Inhalation may cause irritation of nose, mouth, and upper respiratory tract, coughing, and difficulty breathing.

12. ECOLOGICAL INFORMATION

Ecotoxicity

If available, ecotoxicity values of individual components are shown below.

Chemical Name	Fish	Waterflea	Algae
solvent naphtha (petroleum), heavy aromatic 64742-48-9	>100 mg/L: 96 h LC50 fish	>100 mg/L: 48 h EC50 daphnia	>100 mg/L: 72 h EC50 algae
Complex substance B**	20 mg/L: 96 h LC50	2.2-15 mg/L: 48 h EC50	1.25-75 mg/L: EC50

** Ecotoxicity values associated with complex mixture containing, CAS 68584-23-6, 64742-94-5, 111-27-3, 91-20-3

Persistence and degradability

Contains materials that may persist in the environment.

Bioaccumulative potential

No information available.

Mobility in soil

No information available

Other adverse effects

Do not release untreated into natural waters.

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. (contains petroleum distillates)
Transport Hazard Class(es):
Class: TDG: 3
US DOT: 3
IMDG: 3
Label(s): 3
Packing Group: III
Marine Pollutant: Yes

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**Preparation Date**

11 October 2016

Revision Date

29 April 2019

Revision Note

Revision 3 – Formula modification

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