

SAFETY DATA SHEET

SCAVEX Page 1 of 6

SCAVEX SDS GHS

1. IDENTIFICATION

Product Identifier

Product Name SCAVEX

Chemical Name Triazine-type hydrogen sulfide scavenger

Recommended use of the chemical and restrictions on use

Recommended use Aqueous hydrogen sulfide control applications

For industrial use only Restrictions on use

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 4	
Acute toxicity, oral	Category 4	
Acute toxicity, dermal	Category 4	
Acute toxicity, inhalation - mist	Category 3	
Skin corrosion/irritation	Category 1C	
Serious eye damage/eye irritation	Category 1	
Skin sensitizer	Category 1B	
Specific target organ toxicity – single exposure	rget organ toxicity – single exposure Category 1	
Specific target organ toxicity – repeated exposure	Category 1	

Hazardous to the aquatic environment, acute hazard Category 3	
---	--

Label Elements

DANGER

Hazard Statements

Combustible liquid

Harmful if swallowed

Harmful in contact with skin

Toxic if inhaled

Causes severe skin burns and eye damage

May cause an allergic skin reaction

Causes damage to organs [liver, nervous system]

May cause damage to organs through prolonged or repeated exposure [central nervous system (CNS), kidneys, skin]

Harmful to aquatic life



Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Do not breathe dust/fume/gas/mist/vapors/spray.

Wash face, hands and any exposed skin thoroughly after handling.







SCAVEX Page 2 of 6

SCAVEX SDS GHS

Do not eat, drink, or smoke when using this product.

Use only outdoors or in a well-ventilated area.

Contaminated work clothing should 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 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 or rash 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.

Immediately call a POISON CENTER or doctor/physician.

If exposed or concerned: call a POISON CENTER or doctor/physician.

Get medical advice/attention if you feel unwell.

Precautionary Statements - Storage

Store in a well ventilated place. Keep container tightly closed. Store locked up.

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 %
1,3,5-triazine-1,3,5(2H,4H,6H)-triethanol	4719-04-4	30-60
2-dimethylaminoethanol	108-01-0	7-13
ethylene glycol	107-21-1	7-13
morpholine	110-91-8	3-7
2-aminoethanol	141-43-5	1-5

4. FIRST AID MEASURES

Ingestion Rinse mouth. 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. 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. Immediately call a POISON CENTER or doctor/physician

Most important symptoms and effects, both acute and delayed

Product is corrosive to eyes and skin and may cause burns. Product may be harmful in contact with skin and cause sensitization with prolonged or repeated exposure. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels. Product is toxic by inhalation and may irritate respiratory system. Serious effects may be delayed following exposure. Harmful if swallowed. May cause burns to mouth, throat and stomach. Product contains materials which cause damage to the nervous system (CNS), liver, kidneys, gastrointestinal tract, upper respiratory tract, skin, eyes, lens or cornea, testes.

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

None.

SCAVEX Page 3 of 6

SCAVEX SDS GHS

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 contact with skin, eyes and clothing. Do not breathe vapor or mist. Use personal protective equipment.

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 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. Use recommended personal protective equipment.

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
ethylene glycol 107-21-1	100 mg/m³ Ceiling	50 ppm/125 mg/m³ Ceiling	Not listed
morpholine 110-91-8	TWA: 20 ppm	20 ppm/70 mg/m ³	Not listed
2-aminoethanol 141-43-5	TWA: 3 ppm/7.5 mg/m ³ STEL: 6 ppm/15 mg/m ³	3 ppm/6 mg/m³	Not listed

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 or face shield with high risk of splashing.

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.

SCAVEX Page 4 of 6

SCAVEX SDS GHS

9. PHYSICAL AND CHEMICAL PROPERTIES

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

Clear, colorless to light amber liquid Not available

ODOR: VAPOR DENSITY (Air = 1): Not available Amine

ODOR THRESHOLD: RELATIVE DENSITY AT 20°C (68°F): Not applicable 1.089-1.095

pH: **SOLUBILITY IN WATER:**

10.2-11.2 Complete

MELTING POINT / FREEZING POINT: PARTITION COEFFICIENT, N-OCTANOL/WATER:

≤ -40°C (≤ -40°F) Not available

BOILING POINT/BOILING RANGE: AUTO-IGNITION TEMPERATURE: Not available

Not available

FLASH POINT: **DECOMPOSITION TEMPERATURE:** 63.5°C / 146°F (TCC), 113°C / 235°F (COC) Not available

EVAPORATION RATE, water = 1: VISCOSITY: Not available

FLAMMABILITY (SOLID, GAS): FLAMMABLE LIMITS:

Not applicable 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

Strong oxidizing materials, acids.

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 formaldehyde, oxides of carbon and nitrogen as well as other low molecular weight hydrocarbons.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

ATE_{mix} – LD50 oral – approx. >945 mg/kg (rat), LD50 dermal – approx. >1837 mg/kg (rat), LC50 inhalation-mist – approx. >0.50 mg/L – 4 h (rat)

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
1,3,5-triazine-1,3,5(2H,4H,6H)-triethanol 4719-04-4	>488- <u><</u> 584 mg/L (rat)	>2000 mg/kg (rat)	0.371 mg/L (rat) – 4 hr
2-dimethylaminoethanol 108-01-0	1183 mg/L (rat)	1219 mg/kg (rabbit)	6.1 mg/L (rat) – 4 hr
ethylene glycol 107-21-1	4000 mg/L (rat)	9530 uL/kg (rabbit)	Not listed
morpholine 110-91-8	1910 mg/kg (rat)	500 mg/kg (rabbit)	Not listed
2-aminoethanol 141-43-5	1720 mg/kg (rat)	1000 mg/kg (rabbit)	Not listed

Information on likely sources of exposure

Ingestion May be harmful if swallowed. May cause stomach pains.

Skin corrosion/irritation Causes skin irritation, redness and possible blistering or sensitization. Inhalation May cause coughing, respiratory irritation and possible damage.

Serious eye damage/irritation Causes serious eye damage. May cause pain, watering and redness. Delayed and immediate effects and also chronic effects from short and long-term exposure

Respiratory or skin sensitization 1,3,5-triazine-1,3,5(2H,4H,6H)-triethanol (CAS 4719-04-4) - 1B May cause an allergic skin reaction

Germ cell mutagenicity No information available.

Carcinogenicity Morpholine (CAS 110-91-8) - under certain conditions, forms nitrosamines, an animal study carcinogen

Reproductive toxicity No information available

STOT - single exposure 1,3,5-triazine-1,3,5(2H,4H,6H)-triethanol (CAS 4719-04-4) 1 Causes damage to liver, central nervous

system

STOT - repeated exposure 1,3,5-triazine-1,3,5(2H,4H,6H)-triethanol (CAS 4719-04-4) 1 Causes damage to skin, CNS, kidneys

Aspiration Hazard None.

Symptoms related to the physical, chemical and toxicological characteristics

Skin irritation. Eye damage. Ingestion may cause irritation or burns of mouth, esophagus and stomach, abdominal pain, nausea, vomiting, diarrhea and affect the liver, kidneys, and central nervous system. Inhalation may cause irritation of nose, mouth, and upper respiratory tract, coughing, difficulty breathing.

12. ECOLOGICAL INFORMATION

Ecotoxicity

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

	Chemical Name	Fish	Waterflea	Algae
1,	3,5-triazine-1,3,5(2H,4H,6H)-triethanol 4719-04-4	119 mg/L: 96 h rainbow trout LC50	26.1 mg/L: 48 h Daphnia magna EC50	Not available
	2-dimethylaminoethanol 108-01-0	146.6 mg/L: 96 h Leuciscus idus LC50	98.4 mg/L: 48 h Daphnia magna EC50	66.1 mg/L: 72 h scenedesmus subspicatus EC50
	ethylene glycol 107-21-1	<41000 mg/L: rainbow trout LC50	Not available	1300-6500 mg/L: selenastrum capricornutum 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
	2-aminoethanol 141-43-5	150 mg/L: 96 h rainbow trout LC50	Not available	Not available

Persistence and degradability

Bioaccumulative potential

Expected to be readily biodegradable.

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: 292

UN Proper Shipping Name: Toxic Liquid, Corrosive, Organic, N.O.S. (1,3,5-triazine-1,3,5(2H,4H,6H)-triethanol, morphline, 2-

dimethylaminoethanol solution)

Transport Hazard Class(es)

Class: TDG: 6.1 (8)

US DOT: 6.1 (8) IMDG: 6.1 (8) 6.1 (8)

Label(s): 6.1 (
Packing Group: II
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

Page 6 of 6

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: 1 Flammability: 1 Reactivity: 0

16. OTHER INFORMATION

Preparation Date 24 March 2016 Revision Date 23 January 2020

Revision Note Revision 3 - Modifications to Section 9, 14

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