

## 1. IDENTIFICATION

**Product Identifier**

**Product Name** SCAVEX AG CONCENTRATE  
**Chemical Name** Dialdehyde-type hydrogen sulfide scavenger

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

**Recommended use** Aqueous 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**

Main office – (780)-454-3919, 8:00 AM to 4:30 PM MST

## 2. HAZARDS IDENTIFICATION

**Classification**

Acute toxicity, inhalation - mist	Category 4
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2B
Skin sensitizer	Category 1B
Germ cell mutagenicity	Category 2
Specific target organ toxicity – single exposure	Category 3
Specific target organ toxicity – repeated exposure	Category 2

**Label Elements**

**WARNING**

**Hazard Statements**

- Harmful if inhaled
- Causes skin and eye irritation
- May cause an allergic skin reaction
- Suspected of causing genetic defects
- May cause respiratory irritation
- May cause damage to organs through prolonged or repeated exposure



**Precautionary Statements - Prevention**

- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.
- Avoid breathing mist/vapors/spray.
- Wash face, hands and any exposed skin thoroughly after handling.
- Use only outdoors or in a well-ventilated area.
- Contaminated work clothing must not be allowed out of the workplace.
- Wear protective gloves/protective clothing/eye protection/face protection.

**Precautionary Statements - Response**

- IF SWALLOWED: Rinse mouth. Remove person to fresh air and keep at rest in a position comfortable for breathing. Do not induce vomiting unless directed by medical personnel. Call a POISON CENTER or doctor/physician if you feel concerned or unwell.
- IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs, get medical advice/attention. Take off immediately all contaminated clothing

and wash it before re-use.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

If exposed or concerned: get medical advice/attention.

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.

#### **Precautionary Statements - Storage**

Store locked up. Store in a well-ventilated place and away from incompatible materials. Keep container tightly closed.

#### **Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant according to local, provincial/federal regulations.

### **3. COMPOSITION / INFORMATION ON INGREDIENTS**

<b>Chemical Name</b>	<b>CAS-No</b>	<b>Weight %</b>
glyoxal	107-22-2	39.5 - ≤ 40.5
ethylene glycol	107-21-1	0.0 - ≤ 2.5

### **4. FIRST AID MEASURES**

#### **Ingestion**

Rinse mouth. Remove person to fresh air and keep at rest in a position comfortable for breathing. Do not induce vomiting unless directed by medical personnel. Call a POISON CENTER or doctor/physician if you feel concerned or unwell.

#### **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.

#### **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 stinging, tearing, redness, swelling, and blurred vision. Contact with skin may cause irritation with local redness. May cause sensitization by skin contact. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels. Inhalation of mist/vapors/spray may cause respiratory tract irritation leading to a temporary burning sensation of the nose and throat, coughing, and difficulty breathing. 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**

None.

#### **Specific hazards arising from the chemical**

No particular hazards known.

#### **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 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/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
glyoxal 107-22-2	TWA: 0.1 mg/m <sup>3</sup> inhalable fraction and vapor	Not listed	Not listed
ethylene glycol 107-21-1	100 mg/m <sup>3</sup> Ceiling	50 ppm/125 mg/m <sup>3</sup> Ceiling	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

**APPEARANCE:**

Clear, colorless to light yellow liquid

**ODOR**

Faint odor

**ODOR THRESHOLD:**

Not applicable

**pH:**

2.0-3.5 (400g/L)

**MELTING POINT / FREEZING POINT:**

-50 to -15°C

**BOILING POINT/BOILING RANGE:**

103.6°C

**FLASH POINT:**

None

**EVAPORATION RATE, water = 1:**

1

**FLAMMABILITY (SOLID, GAS):**

Not applicable

**VAPOR PRESSURE, mm Hg AT 20°C:**

15.5

**VAPOR DENSITY (Air = 1):**

Not available

**RELATIVE DENSITY AT 20°C:**

1.27

**SOLUBILITY IN WATER:**

Miscible

**PARTITION COEFFICIENT, N-OCTANOL/WATER:**

-1.15

**AUTO-IGNITION TEMPERATURE:**

Not self-igniting

**DECOMPOSITION TEMPERATURE:**

&gt;120°C

**VISCOSITY AT 20°C:**Dynamic – 8.37 mPa.s    Kinematic – 6.6mm<sup>2</sup>/s**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**

Strong alkalis.

**Hazardous decomposition products**

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

## 11. TOXICOLOGICAL INFORMATION

**Acute toxicity**

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
glyoxal 107-22-2	>5000 mg/kg (rat)	>2000 mg/kg (rat)	5.79 mg/L (rat) – 4 hr
ethylene glycol 107-21-1	4000 mg/L (rat)	9530 uL/kg (rabbit)	Not listed

**Information on likely sources of exposure****Ingestion**

Expected to be a low ingestion hazard.

**Skin corrosion/irritation**

Mists/spray may cause skin irritation and possible sensitization.

**Inhalation**

Mists/spray may cause respiratory system irritation

**Serious eye damage/irritation**

Mists/spray may causes eye irritation.

**Delayed and immediate effects and also chronic effects from short and long-term exposure****Respiratory or skin sensitization**

Glyoxal (CAS 107-22-2)

1B May cause an allergic skin reaction

**Germ cell mutagenicity**

Glyoxal (CAS 107-22-2)

2 Suspected of causing genetic defects in non-mammalian studies

**Carcinogenicity**

No listed carcinogens.

**Reproductive toxicity**

No information available.

**STOT - single exposure**

Glyoxal (CAS 107-22-2)

3 Causes temporary irritation of respiratory tract

<b>STOT - repeated exposure</b>	Glyoxal (CAS 107-22-2)	2 May cause kidney damage after repeated ingestion or repeated skin contact with high dosages.
<b>Aspiration Hazard</b>	None.	

**Symptoms related to the physical, chemical and toxicological characteristics**

See Section 2 &amp; 4.

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

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

Chemical Name	Fish	Waterflea	Algae
glyoxal 107-22-2	>460-<680 mg/L: 96 h Leusciscus idus LC50	404 mg/L: 48 h Daphnia magna EC50	>100 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

**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**

UN Number:	Not regulated
UN Proper Shipping Name:	Not regulated
Transport Hazard Class(es)	
Class:	TDG: Not regulated US DOT: Not regulated IMDG: Not regulated
Label(s):	Not regulated
Packing Group:	Not applicable
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

**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:	0
Reactivity:	0

**16. OTHER INFORMATION****Preparation Date**

12 April 2016

**Revision Date**

9 July 2025

**Revision Note****Version 2** - Updates to Sections 1**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**