

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

Chemical Name	CAS-No	Weight %
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 ³ inhalable fraction and vapor	Not listed	Not listed
ethylene glycol 107-21-1	100 mg/m ³ Ceiling	50 ppm/125 mg/m ³ 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:

>120°C

VISCOSITY AT 20°C:Dynamic – 8.37 mPa.s Kinematic – 6.6mm²/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

STOT - repeated exposure	Glyoxal (CAS 107-22-2)	2 May cause kidney damage after repeated ingestion or repeated skin contact with high dosages.
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
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):	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

<u>Preparation Date</u>	12 April 2016
<u>Revision Date</u>	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