

## 1. IDENTIFICATION

**Product Identifier**

**Product Name** SCAVEX AG

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

**Recommended use** 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**

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 – repeated exposure	Category 2

**Label Elements**

**WARNING**

**Hazard Statements**

H315 + H320 - Causes skin and eye irritation  
H317 - May cause an allergic skin reaction  
H341 - Suspected of causing genetic defects (non-mammalian)  
H373 - May cause damage to organs (kidneys) through prolonged or repeated exposure (ingestion, skin)



**Precautionary Statements - Prevention**

P201 - Obtain special instructions before use.  
P202 - Do not handle until all safety precautions have been read and understood.  
P260 – Do not breathe mist/vapors/spray.  
P264 - Wash face, hands and any exposed skin thoroughly after handling.  
P272 - Contaminated work clothing must not be allowed out of the workplace.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.

**Precautionary Statements - Response**

P305 + P351 + P338, P337 + P313 - 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.  
P302 + P352, P332 + P313, P362 + P364 - 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.  
P308 + P314 - If exposed or concerned: get medical advice/attention if you feel unwell.

**Precautionary Statements - Storage**

P405 - Store locked up.

**Precautionary Statements - Disposal**

P501 - 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 %
propylene glycol	57-55-6	30-60
glyoxal	107-22-2	10-30
ethylene glycol	107-21-1	0.0 - ≤ 1.5

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

**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. 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.

**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. Prolonged or repeated exposure may cause sensitization by skin contact. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels. The substance may cause damage to the kidney after repeated ingestion. The substance may cause damage to the kidney after repeated skin contact with high doses. 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**

Avoid contact with skin, eyes and clothing. Use personal protective equipment. 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 area with plenty of 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. 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 or temperatures >50°C, away from incompatible materials.

**Incompatible Materials** Alkali, strong 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** Under the intended modes of use, exposure control measures are not required.

**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 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**

Odorless

**ODOR THRESHOLD :**

Not applicable

**pH :**

3.0-4.0

**MELTING POINT / FREEZING POINT :**

< -40°C

**BOILING POINT/BOILING RANGE :**

Not available

**FLASH POINT :**

None

**EVAPORATION RATE, water = 1 :**

1

**FLAMMABILITY (SOLID, GAS):**

Not applicable

**VAPOR PRESSURE, mm Hg AT 20°C :**

Not available

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

Not available

**RELATIVE DENSITY AT 20°C:**

1.100-1.150

**SOLUBILITY IN WATER :**

Complete

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

Not available

**AUTO-IGNITION TEMPERATURE :**

Not available

**DECOMPOSITION TEMPERATURE:**

Not available

**VISCOSITY AT 20°C:**

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**

Avoid extreme temperatures. Store away from incompatible materials.

**Incompatible Materials**

Alkali, strong oxidizing agents

**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
propylene glycol 57-55-6	20000 mg/kg (rat)	20800 mg/kg (rabbit)	Not listed
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****Serious eye damage/irritation**

Mists/spray or exposure may causes eye irritation.

**Skin corrosion/irritation**

Mists/spray or exposure may cause skin irritation and possible sensitization.

**Ingestion**

Expected to be a low ingestion hazard.

**Inhalation**

Expected to be a low inhalation hazard. Mists/spray may irritate nose and throat.

**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 doses.

**Aspiration Hazard**

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. Expected to be non-toxic to aquatic organisms.

Chemical Name	Fish	Waterflea	Algae
propylene glycol 57-55-6	51600 mg/L: 96 h rainbow trout LC50	Not available	19000 mg/L: 96 h pseudokirchneriella subcapitata EC50
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	≤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**

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**

Not regulated

**15. REGULATORY INFORMATION**

All ingredients are listed on the DSL

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

15 April, 2016

**Revision Date**

not applicable

**Revision Note**

not applicable

**Disclaimer**

The information provided on this MSDS 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**