

SCAVEX

Page: 1 of 7
 Date Prepared: March 28, 2025
 SDS No.: 9300

SECTION 1: IDENTIFICATION

Product name: SCAVEX

Recommended use: Water-soluble hydrogen sulfide scavenger

Physical Description: Clear colorless to light amber liquid

Generic Ingredients: Organic triazine compound, water, glycol, organic amines

Manufacturer:

Penetone Corporation
 375 Murray Hill Pkwy.
 East Rutherford, NJ 07073
 800-631-1652 or 201-567-3000

Business Contact:

Customer Service
 800-631-1652 x2272
 Product Safety
 800-631-1652 x2257

Emergency Phone Numbers: PENETONE 201-567-3000 CHEMTREC 800-424-9300

SECTION 2: HAZARDS IDENTIFICATION

GHS CLASSIFICATION:

<p>Health: Skin corrosion: 1C Eye damage: 1 Acute toxicity - oral: 4 Acute toxicity - dermal: 4</p>	<p>Acute toxicity - inhalation: 3 Skin sensitivity: 1B</p> <p>Physical: not classified</p>
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DANGER!

Causes Severe Skin Burns and Eye Damage.
 Toxic if Inhaled.
 Harmful if Swallowed or if in Contact with Skin.
 May Cause an Allergic Skin Reaction.



<p>Precautionary Statements:</p>	
<p><u>Prevention:</u> Do not breathe mists if inhalable mists occur during use. Use only outdoors or in a well-ventilated area. Wear protective gloves, clothing, eye protection, and face protection. Wash hands and exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Contaminated work clothing must not be allowed out of the workplace.</p> <p><u>Response:</u> <i>If swallowed:</i> Rinse mouth. Do NOT induce vomiting. Immediately call a poison center, doctor, emergency room, or 911. <i>If on skin or hair:</i> Take off immediately all contaminated clothing. Rinse skin with water or shower. A mild soap may be used. Wash contaminated clothing before reuse. Immediately call a poison center, doctor, emergency room, or 911. If skin irritation occurs: Get medical advice/attention. Call a poison center, doctor, emergency room, or 911 if you feel unwell.</p>	<p><i>If in eyes:</i> Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center, doctor, emergency room, or 911. <i>If inhaled:</i> Remove person to fresh air and keep comfortable for breathing. Immediately call a poison center, doctor, emergency room, or 911.</p> <p><u>Storage:</u> Store locked up. Store in a well-ventilated place. Keep container tightly closed.</p> <p><u>Disposal:</u> Dispose of contents/container in accordance with local, regional, and national regulations (see Sections 13 and 15 of SDS for disposal and reporting requirements).</p>



SAFETY DATA SHEET

Penetone® Corporation, 375 Murray Hill Pkwy., East Rutherford, NJ 07073

SCAVEX

Page: 2 of 7
Date Prepared: March 28, 2025
SDS No.: 9300

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS#	Concentration Wt% (1)
1,3,5-triazine-1,3,5-(2H,4H,6H)-triethanol	4719-04-4	30-50
Water	7732-18-5	30-50
Propylene glycol	57-55-6	10-25
2-Dimethylaminoethanol	108-01-0	5-15
Morpholine	110-91-8	1-10

(1) Exact percentages being withheld under trade secret provision of OSHA HCS 1910.1200(i)

SECTION 4: FIRST-AID MEASURES

General Description of Symptoms & First-Aid Measures

Most likely work-place exposure routes will be *skin contact* or *inhalation*.

For *skin contact*, typically no immediate effects will be observed. A tingling or burning sensation might be felt some time after exposure. Slight reddening or minor irritation could also develop if product is not quickly washed off. If product not washed off or left in contact with skin for some time, skin burn could result.

Inhalation exposure may produce varied effects, particularly if exposure occurs above the recommended workplace exposure limits (see SECTION 8). Typical symptoms could include coughing, sneezing, and a tingling or burning sensation in the nose, throat, and lungs.

Eyes

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, doctor, emergency room, or 911.. Penetone recommends that after any eye exposure a physician be seen immediately.

Ingestion

If swallowed: Rinse mouth. Do NOT induce vomiting. Immediately call a poison center, doctor, emergency room, or 911.

Inhalation

If inhaled: Remove person to fresh air and keep comfortable for breathing. Immediately call a poison center, doctor, emergency room, or 911.

Skin

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. A mild soap may be used. Wash contaminated clothing before reuse. Immediately call a poison center, doctor, emergency room, or 911. If skin irritation occurs: Get medical advice/attention. Call a poison center, doctor, emergency room, or 911 if you feel unwell.

Special Treatment / Other

None

SECTION 5: FIRE FIGHTING MEASURES

Flammable Properties

Classification: Non-flammable

Flash Point: None-to-boil

Autoignition Temperature: not determined

Lower Flammable Limit: Not applicable **Upper Flammable Limit:** Not applicable



SAFETY DATA SHEET

Penetone® Corporation, 375 Murray Hill Pkwy., East Rutherford, NJ 07073

SCAVEX

Page: 3 of 7

Date Prepared: March 28, 2025

SDS No.: 9300

Specific Hazards

Product is water based and presents no unusual fire hazards.

Extinguishing Media

Use extinguishing agents appropriate for controlling surrounding fire.

Unsuitable: None.

Protection & Precautions for Firefighters

Protective Equipment & Clothing: Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighters protective clothing will only provide limited protection.

Fire Fighting Guidance: Cool containers with flooding quantities of water until well after fire is out. Move containers from fire area if you can do it safely. Dike fire control water for later disposal; do not scatter material. Containers can expand and explode under fire conditions due to vapor buildup. Always stay away from containers engulfed in fire.

Hazardous Combustion Products: Smoke, fumes, and oxides of carbon and nitrogen when taken to dryness.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Land Spill

Stop leak if you can do it safely. For large spills, dike and pump into properly labeled containers for reclamation or disposal. For small spill, soak up with absorbent material and place in properly labeled containers for disposal.

Water Spill

This is a water based product and will completely mix/dissolve in water making recovery difficult. Check with local environmental regulatory agencies for reporting requirements.

See **SECTION 8 for EXPOSURE CONTROLS and PERSONAL PROTECTION.**

SECTION 7: HANDLING & STORAGE

Handling

Avoid contact with eyes, skin and clothing. After handling, always wash hands thoroughly with soap and water. Avoid personal contact with any residue. Do not cut, weld, or reuse empty container.

Storage

Store locked up. Store in a well-ventilated place. Keep container tightly closed. Do not store in direct sunlight. Avoid storing above 120°F (49°C). Keep away from acids and oxidizing materials.

SECTION 8: EXPOSURE CONTROLS and PERSONAL PROTECTION

Engineering Controls

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits.

Personal Protection

Inhalation A respiratory protection program that meets OSHA's 29 CFR 1910.134 or ANSI Z88.2 requirements must be followed whenever workplace conditions warrant respirator use. Use of an organic vapor mask or respirator is recommended.

Skin Wear chemical resistant gloves such as: rubber, nitrile, neoprene, or latex when skin contact is possible. Protective clothing including gloves, apron, sleeves, boots, head and face protection should be worn depending on



SAFETY DATA SHEET

Penetone® Corporation, 375 Murray Hill Pkwy., East Rutherford, NJ 07073

SCAVEX

Page: 4 of 7

Date Prepared: March 28, 2025

SDS No.: 9300

how the product is used. PPE should be cleaned thoroughly after each use.

Eyes Penetone recommends always wearing safety glasses as a minimum in any workplace. Conditions may warrant the use of chemical goggles and possibly a face shield. Consult your standard operating procedure or safety professional for advice. Use protective eye and face devices that comply with ANSI Z87.1-1987.

Additional Remarks

Selection of appropriate personal protective equipment should be based on an evaluation of the performance characteristics of the protective equipment relative to the task(s) to be performed, conditions present, duration of use, and the hazards and/or potential hazards that may be encountered during use.

Occupational Exposure Limits

<u>Component Name</u>	<u>Source</u>	<u>Value</u>	<u>Type</u>	<u>Notation</u>
Propylene glycol	US WEEL	10 mg/m ³	TWA	
Morpholine	ACGIH	20 ppm	TWA	Skin, A4
	NIOSH	20 ppm	TWA	
		30 ppm	STEL	
	OSHA Z-1	20 ppm	PEL	Skin
		70 mg/m ³	PEL	
		30 ppm	STEL	
		105 mg/m ³		

SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

Appearance: clear colorless to light amber liquid

Odor: amine

Odor Threshold: not determined

pH: 10-11

Melting Point / Freezing: about 25°F

Boiling Point / Boiling Point Range: about 212°F

Flash Point: none to boil

Evaporation Rate: equal to water

Flammability: not applicable

Lower Flammable Limit: not applicable

Upper Flammable Limit: not applicable

Explosive Properties: not applicable

Vapor Pressure: equal to water

Relative Vapor Density: equal to water

Relative Density: 1.03

Solubility (Water): soluble in water

Partition Coefficient (K_{ow}): not determined

Auto-ignition temperature: not applicable

Decomposition temperature: not applicable

Viscosity: not determined

SECTION 10: STABILITY & REACTIVITY

Reactivity

Product will react with acids, giving off heat and possible splattering.



SAFETY DATA SHEET

Penetone® Corporation, 375 Murray Hill Pkwy., East Rutherford, NJ 07073

SCAVEX

Page: 5 of 7

Date Prepared: March 28, 2025

SDS No.: 9300

Chemical Stability

Stable.

Hazardous Reactions

Mixing with acids will give off heat and may cause splattering. Hazardous polymerization will not occur.

Conditions to Avoid

Do not store near strong acids or oxidizing materials.

Incompatible Materials

Strong acids and oxidizing materials.

Hazardous Decomposition Products

Oxides of carbon and nitrogen when taken to dryness.

SECTION 11: TOXICOLOGICAL INFORMATION

Product Summary

This product contains organic amines. The product should be considered corrosive to all tissues. Contact with skin and/or eyes, ingestion, or inhalation of spray mist may be corrosive. Possible effects include severe irritation, burns, and permanent damage to exposed tissues if immediate action is not taken. Morpholine can be adsorbed through skin. The organic triazine used in this product is considered a skin sensitizer.

Acute Toxicity:

Dermal: LD50 1,500-1,700 g/kg rabbit (estimated using additivity formula)

Inhalation: No data available

Oral: LD50 > 5,000 mg/kg rat (estimated using additivity formula)

Skin Corrosion/Irritation

Short term exposure may be irritating. Longer term exposure may cause severe irritation or possibly burns. Prolonged or repeat skin exposures can result in dermatitis.

Serious Eye Damage/Irritation

Short term exposure may be irritating. Longer term exposure can cause serious eye damage which can result in severe irritation, pain and burns, and permanent damage including blindness.

Sensitization - Respiratory or Skin

No data available. 1,3,5-triazine-1,3,5(2H,4H,6H)-triethanol may cause skin sensitization.

Germ Cell Mutagenicity

Based upon components, product is not expected to result in germ cell mutagenicity.

Carcinogenicity

No material in this product is listed by IARC, NTP, or OSHA as a carcinogen.

Both morpholine and 2-dimethylaminoethanol can form nitrosamines under certain conditions which have been shown to be carcinogenic in animal studies.

Reproductive Toxicity

No data for the product. Insufficient data for the components to evaluate. Given the product's tissue corrosiveness, other more pronounced effects would be seen making evaluation of reproductive toxicity unlikely.

2-Dimethylaminoethanol caused developmental effects in animals at high, maternally toxic doses.

Specific Target Organ Effects - Single Exposure

No data.



SAFETY DATA SHEET

Penetone® Corporation, 375 Murray Hill Pkwy., East Rutherford, NJ 07073

SCAVEX

Page: 6 of 7
Date Prepared: March 28, 2025
SDS No.: 9300

Specific Target Organ Effects - Repeated or Prolonged Exposure

No data available.

Aspiration Hazard

Based upon components, product not expected to be an aspiration hazard.

SECTION 12: ECOLOGICAL INFORMATION

Product Summary

This material contains organic amines and may raise the pH of surface waters with low buffering capacity. The calculated acute ecotoxicity spans the upper end of harmful and lower end of nonharmful. (Acute aquatic toxicity category 3 to nonclassified according to European Union classification).

Ecotoxicity

Fish LC50 >100 mg/l (estimated using additivity formula)

Aquatic invertebrates EC50 40-100 mg/l (estimated using additivity formula)

Persistence and Degradability

No data available. The amines and glycol are all readily biodegradable.

Bioaccumulative Potential

No data available. Bioaccumulation potential of components are considered low.

Mobility in soil

No data available.

Other Adverse Effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Product is a nonhazardous waste under RCRA definitions. Dispose of contents/container in accordance with all applicable federal, state, and local regulations.

Note: Contaminated product, soil, water, container residues and spill cleanup materials may be hazardous wastes. Appropriate hazardous waste designation is the responsibility of the user.

SECTION 14: TRANSPORT INFORMATION

ID No.: UN2927
Proper Shipping Name: TOXIC LIQUID, ORGANIC, CORROSIVE, N.O.S.,
(contains 1,3,5-triazine-1,3,5(2H,4H,6H)-triethanol and 2-dimethylaminoethanol))
Hazard Class: 6.1, (8)
Packing Group: II
Label: TOXIC, CORROSIVE
Marine Pollutant: No
RQ: not applicable
Special Precautions: none

SECTION 15: REGULATORY INFORMATION

TSCA



SAFETY DATA SHEET

Penetone® Corporation, 375 Murray Hill Pkwy., East Rutherford, NJ 07073

SCAVEX

Page: 7 of 7
Date Prepared: March 28, 2025
SDS No.: 9300

The ingredients in this product are listed on the TSCA inventory.

RCRA HAZARD CLASS

Nonhazardous waste

SARA 311/312 REPORTABLE HAZARD CATEGORIES: Immediate (Acute) Health

REPORTING REQUIREMENTS (all quantities in pounds)

Component	CAS / 313 Code	Section 302 (EHS) TPQ	Section 304 EHS RQ	CERCLA RQ	Section 313	CAA 112(r) TQ	CWA / OPA
no component is subject to reporting requirements							

NEW JERSEY RIGHT-TO-KNOW INFORMATION

This product contains 1,3,5-triazine-1,3,5(2H,4H,6H)-triethanol (CAS 4719-04-4), water (CAS 7732-18-5), propylene glycol (CAS 57-55-6), 2-dimethylaminoethanol (CAS 108-01-0), and morpholine (CAS 110-91-8).

CALIFORNIA PROPOSITION 65 INFORMATION

This product does not contain any chemicals recognized by the state of California to cause cancer and/or birth defects or reproductive harm.

SCAQMD INFORMATION

Is there a photochemically reactive material present? No
What is the % by volume of photochemically reactive material? 0
What is the VOC content? 300 g/l
What is the vapor pressure of VOC's? Less than 0.1 mm Hg

SECTION 16: OTHER INFORMATION

REVISION SUMMARY

Change in Header and Section 1

SUPERSEDES ISSUE DATE

July 6, 2017

HAZARD RATING SYSTEMS:

	HMIS	NFPA
HEALTH	2	2
FLAMMABILITY	0	0
REACTIVITY	0	0
	B	

KEY
4 = Severe
3 = Serious
2 = Moderate
1 = Slight
0 = Minimal

FOR ADDITIONAL PRODUCT INFORMATION, CONTACT YOUR SALES ENGINEER
FOR ADDITIONAL HEALTH/SAFETY INFORMATION, CALL 201-567-3000

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