



1. DESCRIPTION

Trade Name: H2S SCAVENGER L

Chemical Name: -

Application: H2S SCAVENGER for drilling and completion fluids

Supplier: TEAM Chemicals

Telephone: +44 (0)207 408 7700 - +98 912 3717539

Address: No. 43, Souri St., 43 Ashrafi Esfahani Expressway

2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients

Name	CAS	Proportion
Not containing any harmful ingredients	-	-

3. HAZARD IDENTIFICATION

EMERGENCY OVERVIEW: Clear to amber combustible Liquid with slight amine odor. May cause cancer. May cause birth defects. Possible risks of irreversible effects.

Skin Contact: May cause sensitization by skin contact. Possible risks of irreversible effects. May cause sensitization by skin contact. Prolonged or repeated skin contact may cause skin irritation or allergic skin sensitization reaction.

Inhalation: Vapors may be irritating to nose, throat, and lungs.

Eye Contact: Vapors may be irritating to eyes. Liquid may cause severe irritation, reddening, swelling and chemical burns.

Ingestion: Toxic by inhalation and if swallowed.

Potential Acute Health Effects: Prolonged or repeated skin contact can cause dermatitis, skin sensitization, conjunctivitis, headache, insomnia, gastric disturbances, vision failure and damage to the liver, kidney, heart and other organs. Repeated inhalation/ingestion may cause systemic poisoning, brain and central nervous system damage.

Potential Chronic Health Effects:

CARCINOGENIC EFFECTS: Not available.

MUTAGENIC EFFECTS: Not available.

TERATOGENIC EFFECTS: Not available.

DEVELOPMENTAL TOXICITY: Not available.

Repeated or prolonged exposure is not known to aggravate medical condition



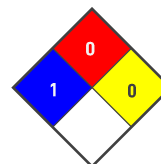
Irritant: YES **Flammable:** NO

Carcinogenic: YES **Oxidant:** NO

Explosive: NO **Environmental Hazard:** NO

Corrosive: NO

(Risk-Phrases) - (Safety-Phrases) -



4. FIRST AID MEASURES

Eye Contact: Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention

Skin Contact: Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops. Remove contaminated clothing, shoes and leather goods.

Inhalation: Move the exposed person to fresh air at once. If respiratory problems, artificial respiration/oxygen. Get medical attention. If breathing has stopped, begin artificial respiration immediately. Get medical attention.

Ingestion: Give large amounts of water or milk. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Obtain medical attention immediately.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Use carbon dioxide, dry chemical, foam or water spray

FIRE FIGHTING: Cool containers exposed to flames with water until well after the fire is out .

FIRE/EXPLOSION HAZARD: Cool containers with flooding quantities of water until well after fire is out. ALWAYS stay away from tanks engulfed in fire. Move containers from fire area if without risk. Product is flammable in the presence of an open flame or spark.

PERSONAL PROTECTION Self contained breathing apparatus and full protective clothing must be worn in case of fire.

6. ACCIDENTAL RELEASE MEASURES

Small Spill: Restrict access to spill area and provide adequate protective equipment and ventilation.

Containers may explode when heated. As an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Use clean non-sparking tools to collect absorbed material.

Large Spill: Dike far ahead of liquid spill for later disposal. Water spray may reduce vapor; but may not prevent ignition in closed spaces. Containers may explode when heated. As an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions.



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7. HANDLING AND STORAGE

Handling Precautions: Do not use contact lenses. Avoid contact with eyes. Avoid inhalation of vapors. Provide good ventilation.

Storage Precautions: Store in tightly closed original container in a cool, dry well-ventilated place.

Chemical may experience gradual degradation if storage temperatures are kept in excess of 35°C over a period of time.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE CONTROLS: Not available.

PERSONAL PROTECTION: Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

RESPIRATOR: In the case of insufficient ventilation or a spill where exposure limits are exceeded, an air-supplied respirator should be used.

EYE: Chemical goggles. Face shield may be required for supplementary but never for primary protection of eyes.

HAND/FEET: Use of protective coveralls and long sleeves is recommended. Use of impervious boots is recommended.

ENGINEERING CONTROLS: Provide adequate general and local exhaust ventilation. Ensure that eyewash stations and safety showers are near to handling and use locations.

9. PHYSICAL & CHEMICAL PROPERTIES

Physical State and Appearance: Light Brown or Yellow Liquid

Odor: Mild Amine odor

pH: 9-11

Boiling Point: 100-120°C

Melting/Freezing Point: Not available

Flash Point: >130°C

Specific Gravity: 1.05-1.15

Solubility: Soluble in water



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10. STABILITY & REACTIVITY

Chemical Stability: Normally stable to heat, lights, and air maintained at atmospheric conditions. Immediate thermal decomposition may occur at temperatures above 93° Cs.

Conditions to Avoid: Chemical may experience gradual degradation if storage temperatures are kept in excess of 35oC over a period of time. Avoid any source of ignition such as sparks, flame, or static discharge.

Materials to Avoid: Reactive with Oxidizing Agents/ Metals

Special Remarks on Reactivity: Upon decomposition this product emits acrid dense smoke with carbon dioxide, carbon monoxide, oxides of nitrogen, formaldehyde.

Special Remarks on Corrosivity: Non-corrosive in presence of glass.

11. TOXICOLOGICAL INFORMATION

Refer to chronic effects

12. ECOLOGICAL INFORMATION

Not available.

13. DISPOSAL CONSIDERATION

DISPOSAL METHODS: Waste must be disposed of in accordance with federal, state and local environmental control regulations.

14. TRANSPORT INFORMATION

DOT Classification: Flammable liquid.

15. REGULATORY INFORMATION

Classification: Toxicity: refer to section 11 and 12.

Poisons Schedule (SUSMP): None allocated.

This material is listed on the international standard such as OHSAS 18001:2007.



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16. ADDITIONAL INFORMATION

Reason(s) for Issue:

- 3 Yearly Revised Primary MSDS
- Update in Toxicological Information
- Update in Ecological Information

This MSDS summaries to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. TEAM Chemicals cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material.



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The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. TEAM Chemicals and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product.