



## Material Safety Datasheet

**OXY-SCAVENGER****1. DESCRIPTION****Trade Name:** OXY-SCAVENGER**Chemical Name:** -**Application:** Oxygen Scavenger for Drilling and Completion Fluids**Supplier:** TEAM Chemicals**Telephone:** +44 (0)207 408 7700 - +98 912 371 7539**Address:** No. 43, Souri St., 43 Ashrafi Esfahani Expressway**2. COMPOSITION / INFORMATION ON INGREDIENTS****Ingredients**

INGREDIENT NAME:	CAS No:	CONTENTS:
Not available	-	-

**3. HAZARD IDENTIFICATION****EMERGENCY OVERVIEW** Possible risks of irreversible effects. Harmful in contact with skin and if swallowed.

Irritating to eyes, respiratory system and skin. Vapors may cause drowsiness and dizziness.

**Skin Contact** May cause sensitization by skin contact. Possible risks of irreversible effects. 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** May be harmful 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.



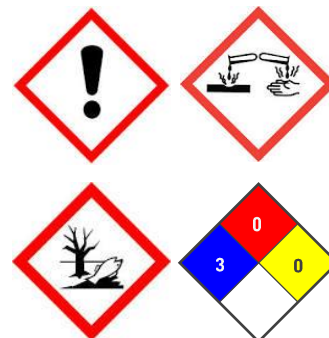
**Irritant** YES **Flammable** NO

**Carcinogenic** NO **Oxidant** NO

**Explosive** NO **Environmental Hazard** YES **Corrosive** YES

**(Risk-Phrases)** R22, R36/37/38, R67

**(Safety-Phrases)** S26, S36/37



#### 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** In combustion emits toxic fumes of Sulphur oxides. Ammonia.

**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.



Tiam Earth Advanced Materials

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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.

## 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:** Clear light brick or pink liquid

**Odor:** Unpleasant

**pH:** 4.5-6

**Boiling Point:** Not available

**Melting/Freezing Point:** Not available

**Flash Point:** Not available

**Specific Gravity:** 1.2-1.4

**Solubility:** Soluble in water

## 10. STABILITY & REACTIVITY

**Chemical Stability:** Normally stable to heat, lights, and air maintained at atmospheric conditions.

**Conditions to Avoid:** Heat. Sources of ignition. Flames.

**Materials to Avoid:** Reactive with strong acids and bases Metals

**Special Remarks on Reactivity:** In combustion emits toxic fumes of sulphur oxides. Ammonia.

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

## 11. TOXICOLOGICAL INFORMATION

Over exposure may cause kidney and liver damage. Avoid prolonged or repeated contact with the skin.

## 12. ECOLOGICAL INFORMATION

Adverse effects: Harmful to aquatic organisms.

## 13. DISPOSAL CONSIDERATION

**Disposal Method** Dispose of in a regulated landfill site or other method for hazardous or toxic wastes.

## 14. TRANSPORT INFORMATION

DOT Classification: Corrosive 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.

## 16. ADDITIONAL INFORMATION

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 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.