



Material Safety Datasheet

OXY-SCAVENGER P**1. DESCRIPTION****Trade Name:** OXY-SCAVENGER**Chemical Name:** -**Application:** Oxygen Scavenger for Fresh water, Sea water, Brines and drilling 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:**

Slightly irritant in case of skin contact or eye contact.

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 and central nervous system damage.

Potential Chronic Health Effects:

CARCINOGENIC EFFECTS: 3 (Not classifiable for human.) by IARC.

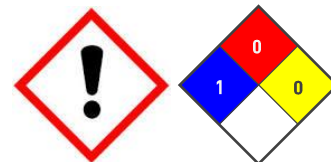
MUTAGENIC EFFECTS: Mutagenic for mammalian somatic cells. Mutagenic for bacteria and/or yeast.

TERATOGENIC EFFECTS: Not available.

DEVELOPMENTAL TOXICITY: The product may be toxic to peripheral nervous system, central nervous system (CNS). Repeated or prolonged exposure to the substance can produce target organs damage.



Irritant YES **Flammable** NO
Carcinogenic NO **Oxidant** NO
Explosive NO **Environmental Hazard** YES **Corrosive** YES
(Risk-Phrases) R36/37/38
(Safety-Phrases) S26, S37/39



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: In case of contact, immediately flush skin with plenty of water. Get medical attention.

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

Ingestion: Do not induce vomiting. Obtain medical attention immediately.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA Not applicable

FIRE FIGHTING Not applicable

FIRE/EXPLOSION HAZARD Not available

PERSONAL PROTECTION Not applicable

6. ACCIDENTAL RELEASE MEASURES

Small Spill:

The solid shall be put in waste disposal container using proper tools.

Large Spill:

Put material in waste disposal area using a shovel. Fully protective cloth must be used while disposing material.

7. HANDLING AND STORAGE

Handling Precautions:

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.



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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: White crystalline powder

Odor: odorless

pH: 8-9.8

Boiling Point: Not available

Melting/Freezing Point: Decomposition temperature: >500°C (932°F)

Flash Point: Not available

Specific Gravity: 2.6-2.65

Solubility: Soluble in water

Vapor Pressure: Not applicable.

Vapor Density: Not applicable.

10. STABILITY & REACTIVITY

Chemical Stability: Stable

Conditions to Avoid: Air and Moisture

Materials to Avoid: Reactive with strong acids and bases Metals

Special Remarks on Reactivity: Reactivity with air and moisture. When heated to decomposition, it emits toxic fumes of Na₂O and SO_x.

Special Remarks on Corrosivity: Not available



11. TOXICOLOGICAL INFORMATION

Toxicity to Animals: Acute oral toxicity (LD50): 820 mg/kg [Mouse.].

Special Remarks on Toxicity to Animals: Lowest Published Dose: LDL [Rabbit] - Route: Oral; Dose 2825 mg/kg

Chronic Effects on Humans: CARCINOGENIC EFFECTS: 3 (Not classifiable for human.) by IARC. MUTAGENIC EFFECTS: Mutagenic for mammalian somatic cells. Mutagenic for bacteria and/or yeast. May cause damage to the following organs: peripheral nervous system, central nervous system.

Special Remarks on other Toxic Effects on Humans: May cause hypersensitivity reaction with swelling of the tongue, bronchospasm, bronchoconstriction diaphoresis, flushing, urticaria, hypotension, tachycardia, and anaphylaxis particularly in asthmatic people who are sulfite sensitive.

Chronic Potential Health Effects: Skin: Prolonged or repeated skin contact may cause dermal sensitization (contact dermatitis), but this is rare. Inhalation: Prolonged or repeated inhalation may cause chronic irritation, inflammation, delayed pulmonary edema, and alteration of sense of smell and taste. Ingestion: Prolonged or repeated ingestion may affect the bone marrow (bone marrow atrophy), and behavior/central/peripheral nervous systems.

12. ECOLOGICAL INFORMATION

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation: Not Likely.

Toxicity of the Products of Biodegradation: Less than the product itself.

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: Not regulated.

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

Yearly Revised Primary MSDS

Update in Toxicological Information

Update in Ecological Information

This MSDS summarizes 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.



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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.

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