



INVENTED TO LAST

كيماويات السعودية

Saudi Chem

SC 56-SAB

Drilling Oxygen Scavenger

MATERIAL SAFETY DATA SHEET

SECTION 1:

Identification of the Substance/
Mixture and the Company/
Undertaking

1.1 Product identifier:

Name: SC 56-SAB
Description: Drilling Oxygen Scavenger

1.2 Relevant identified uses of the substance/mixture:

Uses: Oil and gas industry applications
Not to be used for: Any other purposes

1.3 Details of the supplier of the safety data sheet:

Company identification: Saudi Chem
Address: P.O. Box 70108
Al Khobar 31952
Kingdom of Saudi Arabia
Telephone: +966 13 812 1166 | +966 13 847 6467
Fax: +966 13 847 6985
Email: solutions@saudichem.com

SECTION 2:

Hazards Identification

2.1 Classification of the substance/mixture:

No Information Available

2.2 Label elements:



Signal word: Warning
Classification according to (EC) Regulation 1272/2008
H319 Eye Irritation (Category 2)
H335 Single Target Organ Toxicity, Single Exposure (Category 3)
EUH031 Contact with acids liberates toxic gas
(See section 16 for full text of H-Statements)

Hazard statement(s):

H302 Harmful if swallowed
H319 Causes serious eye irritation

Precautionary statement(s):

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray
P264 Wash skin thoroughly after handling
P271 Use outdoors or in a well ventilated area
P280 Wear protective gloves/eye protection/face protection
P305+P351+P338 Rinse with water for several minutes. Remove contact lens. Continue rinsing
P330 Rinse mouth

Additional labelling:

Hazardous components which must be listed on the label:

- Sodium hydrogen sulphite

2.3 Other hazards:

Possible effects to soil dwelling organisms

SECTION 3:

Composition/Information on
Ingredients

3.1 Substance:

Substance	% by weight	CAS number/ EC No	Classification Regulation (EC) 1272/2008
Sodium hydrogen sulphite	>38-40	7631-90-5 231-548-0	Eye Irrit. 2, H319 STOT SE 3, H335

(See section 16 for the full text of R-Phrases and H-Statements)

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SECTION 4: First-aid Measures

4.1 Description of first-aid measures:

Inhalation:

Remove patient from exposure. Remove patient to fresh air, allow to rest and keep warm. Get medical attention if feeling unwell

Ingestion:

Immediately rinse out mouth with water. Give sips of water. Do not induce vomiting. Provide rest and warmth. Get medical attention if feeling unwell

Skin contact:

Immediately wash thoroughly with soap and water. Remove contaminated clothing. Get medical attention if skin appears damaged

Eye contact:

Immediately flood the eye with plenty of water, holding the eye open. Get medical attention.

SECTION 5: Fire-fighting Measures

5.1 Extinguishing media:

Suitable: Water mist, foam, carbon dioxide or dry powder

Not suitable: none in particular

5.2 Special hazards arising from the substance/mixture:

Fumes containing carbon dioxide, carbon monoxide, amine vapour and oxides of nitrogen may be formed in large fires

5.3 Advice for fire-fighters:

Keep run-off water out of sewers and water sources. Self-contained breathing apparatus and full protective clothing must be worn

SECTION 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures:

Use personal protective equipment (see section 8). Avoid contact with eyes and skin. Use with adequate ventilation

6.2 Environmental precautions:

Prevent from entering the sewers or the immediate environment. In case of large spill, inform local police, local authority, water supplier, national rivers authority and/or fire brigade if appropriate

6.3 methods and materials for containment and clean-up:

On soil: Contain any spilled material immediately and remove to labelled containers for disposal (see section 13)

On water: None known

6.4 Reference to other sections:

See section 8 for details of protective equipment

See section 13 for details of disposal methods

SECTION 7: Handling and Storage

7.1 Precautions for safe handling:

Use personal protective equipment (see section 8)

Ensure good ventilation during handling

7.2 Conditions for safe storage, including any incompatibilities:

Keep in original packaging and away from heat, food and acids

SECTION 8: Exposure Controls/Personal Protection

8.1 Control parameters: sodium hydrogen sulphite 38 to 40%

No data available

Monitoring procedures: None specified

8.2 Exposure controls:

Recommended engineering controls:

Ensure good ventilation. Arrange for eye-wash possibility

Personal protection:

Always check applicability with your supplier of protective equipment

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Respiratory protection:

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as CEN (EU).

Eye Protection:

Tightly fitting safety goggles. Face shield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as EN166 (EU)

Skin protection:

Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace

Hand protection:

Wear gloves when handling the product. Contact your supplier of protective equipment for more details. Note: Break-through times can vary depending upon the thickness, use and source. Change gloves regularly. The selected protective gloves have to satisfy the standard of EN 374 (EU)

General hygiene:

Do not eat, drink or smoke while handling the product. Immediately take off any contaminated clothing and launder before re-use. Wash hands and/or face before breaks and at the end of the shift. After the session apply hand-cream to clean skin

9.1 Information on basic physical and chemical properties:

Appearance

(physical state, colour etc.): Liquid, slight yellow

Odour:

Pungent

Odour threshold:

2 ppm sulphur dioxide

pH:

3.5 to 5.0

Melting/freezing point:

0°C

Initial boiling point and boiling range:

Not applicable

Flash point:

Not determined

Evaporation rate:

Not determined

Flammability (solid, gas):

Not determined

Upper/lower flammability or explosive limits:

Not determined

Vapour pressure:

Not applicable

Vapour density:

Not applicable

Specific density at 20°C:

1.1 – 1.35 g/cm³

Solubility (ies):

Miscible in water

Partition coefficient:

Not determined

Auto-ignition temperature:

Not determined

Decomposition temperature:

Not determined

Viscosity cps at 23°C:

Not applicable

9.2 Other data:

These are typical values and do not constitute a specification

10.1 Reactivity:

Stable under normal conditions and relevant use

10.2 Chemical stability:

Stable under normal conditions and relevant use

10.3 Possibility of hazardous reactions:

Stable under normal conditions and relevant use

10.4 Conditions to avoid:

Heat, flames and sparks

10.5 Incompatible materials:

Oxidizing agents, acids, bases,

10.6 Hazardous decomposition products:

nitrogen oxides, sulphur oxides

SECTION 9:

Physical and Chemical Properties

SECTION 10:

Stability and Reactivity

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SECTION 11:

Toxicological Information

11.1 Information on toxicological effects:

Acute toxicity:	Irritating to respiratory system
Skin corrosion/irritation:	May cause skin irritation
Serious eye damage/irritation:	Irritating to eyes
Respiratory or skin sensitisation:	May cause sensitisation by inhalation or skin contact
Germ cell mutagenicity:	Not known
Carcinogenicity:	Not known
Reproductive toxicity:	Not known
STOT – single exposure:	May cause respiratory irritation
STOT – repeated exposure:	Not known
Aspiration hazard:	Not known
Potential health effects:	Not known
Other information:	None known

SECTION 12:

Ecological Information

12.1 Toxicity: No data available

12.2 Persistence and degradability:

Not persistent and easily degraded

12.3 Bioaccumulative potential:

No

12.4 Mobility in soil: No

12.5 Results of PBT and vPvB assessment:

None

12.6 Other adverse effects: None known

12.7

LC50: Fish duration 96 hour: 150 to 220 mg/L

EC 50 Daphnia duration 48 hour: 89 mg/L

EC 50 Algae 72 hour: 48 mg/L

EC 50 Bacteria 17 hour: 56 mg/L

SECTION 13:

Disposal Considerations

13.1 Waste treatment methods:

Recover if possible. Dispose of in incineration plants

SECTION 14:

Transport Considerations

U.N. number: not classified as dangerous for transport

14.1 Transport in bulk according to Annex II of MARPOL 73/78

and the IBC code: Not applicable

SECTION 15:

Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance/mixture:

The provision of safety data sheets (SDS) comes under Regulation 6 of CHIP (CHIP is the recognised abbreviation for Chemicals Hazards Information and Packaging Regulations). This is in addition to The Health and Safety at Work Act 1974 in the United Kingdom

15.2 Chemical safety assessment:

Chemical safety assessment has not been carried out

SECTION 16:

Other Information

Sources of information used:

ECHA (European Chemicals Agency)

HSE (Health and Safety Executive)

EU-OSHA (European Agency for Safety and Health at Work)

H-Statements used in this document:

H319 Causes serious eye irritation

H335 May cause respiratory irritation

EUH031 Contact with acids liberates toxic gas

R-Phrases used in this document:

R36 Irritating to eyes

R37 Irritating to respiratory system

Reasonable care has been taken in the preparation of this document to assess and summarise the hazard properties of the product(s), the user must still satisfy themselves that the information contained herein is pertinent to permit safe handling under their own use conditions, since we cannot foresee all conditions of use.

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