



INVENTED TO LAST

كيماويات السعودية

Saudi Chem

# SC 156-SA

Drilling Oxygen Scavenger

## MATERIAL SAFETY DATA SHEET

### SECTION 1:

Identification of the Substance/  
Mixture and the Company/  
Undertaking

#### 1.1 Product identifier:

**Name:** SC 156-SA  
**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:

**Classification according to (EC) Regulation 1272/2008**

Eye Irritation (Category 2) **H319**  
Single Target Organ Toxicity, Single Exposure (Category 3) **H335**  
**EUH031** Contact with acids liberates toxic gas  
(See section 16 for full text of H-Statements)

**Classification according to Directive 1999/45/EC**

**R36**  
**R37**  
(See section 16 for the full text of R-Phrases)

#### 2.2 Label elements:



**Signal word:** Warning

#### Hazard statement(s):

**H319** Causes serious eye irritation  
**H335** May cause respiratory 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

#### Additional labelling:

Hazardous components which must be listed on the label:  
• Ammonium hydrogensulphite

#### 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
Ammonium hydrogensulphite	>58- <72	10192-30-0  233-469-7	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:** Water jet – will spread product

#### 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

### SECTION 8:

Exposure Controls/  
Personal Protection

#### 8.1 Control parameters:

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

##### 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).

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

**Odour:** Pungent sulphur dioxide

**Odour threshold:** Not applicable

**pH:** 4 - 6

**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:** 1.3 - 1.4 g/cm<sup>3</sup>

**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, nitrites, acids, bases, copper, copper alloys

### 10.6 Hazardous decomposition products:

Ammonia, 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:

<b>Acute toxicity:</b>	Irritating to respiratory system
<b>Skin corrosion/irritation:</b>	May cause skin irritation
<b>Serious eye damage/irritation:</b>	Irritating to eyes
<b>Respiratory or skin sensitisation:</b>	May cause sensitisation by inhalation or skin contact
<b>Germ cell mutagenicity:</b>	Not known
<b>Carcinogenicity:</b>	Not known
<b>Reproductive toxicity:</b>	Not known
<b>STOT – single exposure:</b>	May cause respiratory irritation
<b>STOT – repeated exposure:</b>	Not known
<b>Aspiration hazard:</b>	Not known
<b>Potential health effects:</b>	Not known
<b>Other information:</b>	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:

Not expected

#### 12.4 Mobility in soil:

No data available

#### 12.5 Results of PBT and vPvB assessment:

No data available

#### 12.6 Other adverse effects:

None known

### SECTION 13:

Disposal Considerations

#### 13.1 Waste treatment methods:

Dispose to licensed waste disposal site in accordance with local waste disposal authority regulations

### SECTION 14:

Transport Information

Authority	14.1 UN number	14.2 Proper Shipping Name	14.3 Class or division	14.4 Packing group	14.5 Environmental hazard (Other info)
ADR	UN2693	BISULPHITES, AQUEOUS SOLUTION, N.O.S. (ammonium bisulphite)	8	III	Transport cat. 3 Tunnel restriction code (E)
IMDG	UN2693	BISULPHITES, AQUEOUS SOLUTION, N.O.S. (ammonium bisulphite)	8	III	Marine pollutant: No
IATA	UN2693	Bisulphites, aqueous solution, n.o.s. (ammonium bisulphite)	8	III	

#### 14.6 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

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### 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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