



INVENTED TO LAST

كيماويات السعودية

Saudi Chem

SC 276

Drilling Invert Viscosifier

## MATERIAL SAFETY DATA SHEET

## SECTION 1:

Identification of Substance/  
Preparation and Company  
Undertaking

## 1.1 Product identifier:

**Name:** SC 276  
**Description:** Drilling invert viscosifier

## 1.2 Relevant identified uses of the substance/mixture:

**Uses:** Rheological additive used for gelling efficiency  
**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**

Not classified  
(See section 16 for full text of H-Statements)

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

Not classified  
(See section 16 for the full text of R-Phrases)

## 2.2 Label elements:

**Signal word:** N/A

**Hazard statement(s):** N/A

**Precautionary statement(s):**

**P280** Wear protective gloves/eye protection/face protection  
**P308+P313** IF exposed or concerned: get medical advice/attention  
**P501** Dispose of contents/container in accordance with local/national regulations

## 2.3 Other hazards:

Possible effects to soil dwelling organisms

## SECTION 3:

Composition/Information  
on Ingredients

## 3.2 Mixtures:

**Hazardous ingredient(s):**

Substance	% by weight	CAS number	Classification Regulation (EC) 1272/2008
Quartz	0-3	14808-60-7	Not classified
Quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl salts with bentonite	97-100	68953-58-2	Not classified

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

## 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.

SAUDI CHEM P.O. BOX 70108 Al-Khobar 31952 Kingdom of Saudi Arabia

TEL No.: +966 13 812 1166 | +966 13 847 6467 FAX NO.: +966 13 847 6985

E-Mail: solutions@saudichem.com Website: www.saudi-chem.com



INVENTED TO LAST

كيماويات السعودية

Saudi Chem

# SC 276

Drilling Invert Viscosifier

## MATERIAL SAFETY DATA SHEET

### 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

### SECTION 8: Exposure Controls/ Personal Protection

#### 8.1 Control parameters:

Data provided is based on individual ingredient(s)

Substance	Hazard Assessment	Value	Note	Hazard Assessment Conclusion
Quartz	GBZ 2.1-2007	PC-TWA	G1 Total G1 Respirable (G1 carcinogenic to humans)	1 mg/m <sup>3</sup> 0.3 mg/m <sup>3</sup>

**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).

##### 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)

SAUDI CHEM P.O. BOX 70108 Al-Khobar 31952 Kingdom of Saudi Arabia

TEL No.: +966 13 812 1166 | +966 13 847 6467 FAX NO.: +966 13 847 6985

E-Mail: solutions@saudichem.com Website: www.saudi-chem.com



INVENTED TO LAST

كيماويات السعودية

Saudi Chem

# SC 276

Drilling Invert Viscosifier

## MATERIAL SAFETY DATA SHEET

### 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 lauder 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

### SECTION 9: Physical and Chemical Properties

#### 9.1 Information on basic physical and chemical properties:

<b>Appearance:</b> (physical state, colour etc.)	Powder, solid, off-white or tan
<b>Odour:</b>	None
<b>Odour threshold:</b>	Not applicable
<b>pH:</b>	Not applicable
<b>Melting/freezing point:</b>	No data available
<b>Initial boiling point and boiling range:</b>	Not applicable
<b>Flash point:</b>	Not applicable
<b>Evaporation rate:</b>	Not determined
<b>Flammability (solid, gas):</b>	Not determined
<b>Upper/lower flammability or explosive limits:</b>	Not determined
<b>Vapour pressure:</b>	Not applicable
<b>Vapour density:</b>	Not applicable
<b>Relative density at 20°C:</b>	700 to 800 kg/cubic metre
<b>Solubility(ies):</b>	Insoluble in water
<b>Partition coefficient:</b>	Not determined
<b>Auto-ignition temp.:</b>	>190°C
<b>Decomposition temp.:</b>	Not determined
<b>Viscosity at 20°C:</b>	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:

Aniline, Phenol, Isocyanates, Acid anhydrides, Acids, Strong bases, Strong oxidizing agents, Amines, Peroxides

#### 10.6 Hazardous decomposition products:

None known

### SECTION 10: Stability and Reactivity

SAUDI CHEM P.O. BOX 70108 Al-Khobar 31952 Kingdom of Saudi Arabia

TEL No.: +966 13 812 1166 | +966 13 847 6467 FAX NO.: +966 13 847 6985

E-Mail: solutions@saudichem.com Website: www.saudi-chem.com



INVENTED TO LAST

كيماويات السعودية

Saudi Chem

SC 276

Drilling Invert Viscosifier

## MATERIAL SAFETY DATA SHEET

**SECTION 11:**  
 Toxicological Information
**11.1 Information on toxicological effects:**

<b>Acute toxicity:</b>	Not known
<b>Skin corrosion/irritation:</b>	Not considered to be a skin irritant
<b>Serious eye damage/irritation:</b>	May cause eye irritation
<b>Respiratory or skin sensitisation:</b>	May cause sensitisation by inhalation
<b>Germ cell mutagenicity:</b>	Not known
<b>Carcinogenicity:</b>	Not known
<b>Reproductive toxicity:</b>	Not known
<b>STOT – single exposure:</b>	Not known
<b>STOT – repeated exposure:</b>	Not known
<b>Aspiration hazard:</b>	Not known
<b>Potential health effects:</b>	May cause cancer through prolonged or repeated inhalation
<b>Other information:</b>	Inhalation of dusts may cause respiratory irritation

**SECTION 12:**  
 Ecological Information
**12.1 Toxicity - Ingredient(s):**

This material is not expected to be harmful to aquatic life

**12.2 Persistence and degradability:**

None known

**12.3 Bioaccumulative potential:**

No data available

**12.4 Mobility in soil:**

Not applicable

**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
ADR/RID/ IMDG/IATA	n/a	Not regulated	n/a	n/a	No (IMGD; Marine pollutant: No)

**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

**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 and R-Phrases used in this document:** N/A

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 them-self that the information contained herein is pertinent to permit safe handling under their own use conditions, since we cannot foresee all conditions of use.

SAUDI CHEM P.O. BOX 70108 Al-Khobar 31952 Kingdom of Saudi Arabia

TEL No.: +966 13 812 1166 | +966 13 847 6467 FAX NO.: +966 13 847 6985

E-Mail: solutions@saudichem.com Website: www.saudi-chem.com

**SECTION 16:**  
 Other Information