



INVENTED TO LAST

كيماويات السعودية

Saudi Chem

SC 207

Drilling Emulsifier

MATERIAL SAFETY DATA SHEET

SECTION 1:

Identification of Substance/
Preparation and Company
Undertaking

1.1 Product identifier:

Name: SC 207
Description: Drilling Emulsifier

1.2 Relevant identified uses of the substance/mixture:

Uses: Oil and gas industry liquid emulsifier
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

Category 2 Carcinogen **H351**
(See section 16 for full text of H-Statements)

Classification according to Directive 1999/45/EC

Xn; R40
(See section 16 for the full text of R-Phrases)

2.2 Label elements:

Signal word: Warning

Hazard statement(s):

H351 Suspected of causing cancer

Precautionary statement(s):

P280 Wear protective gloves/protective clothing/eye protection/face protection
P273 Avoid release to the environment.
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P331 Do NOT induce vomiting
P501 Dispose of contents/container in accordance with local/national regulations

2.3 Other hazards:

Possible effects to soil dwelling organisms

3.2 Mixtures:

Fatty acid reaction product and gas oil

Hazardous ingredient(s):

Ingredients	% by weight	CAS/EU number	Classification Directive 1999/45/EC	Classification Regulation (EC) 1272/2008
Gas Oil	20-40	68334-30-5 269-822-7	Xn; R40	Carc. 2 H351
Fatty acid esters	60-80		Not classified	Not classified

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

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 207

Drilling Emulsifier

MATERIAL SAFETY DATA SHEET

SECTION 4:

First-aid Measures

SECTION 5:

Fire-fighting Measures

SECTION 6:

Accidental Release Measures

SECTION 7:

Handling and Storage

SECTION 8:

Exposure Controls/
Personal Protection

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.

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

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 onto a non-reactive absorbent material 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

7.1 Precautions for safe handling:

Keep away from heat. No smoking
Use personal protective equipment (see section 8)
Ensure good ventilation during handling

7.2 Conditions for safe storage, including any incompatibilities:

Store outdoors in a secure site
Keep in original containers

8.1 Control parameters:

No data available on mixture. Data provided is based on individual ingredient(s)

Occupational exposure levels for:	Value	Conclusion
Gas oil		Note: In this case the information in heading 8 is not required
Fatty acid esters		No data available

Monitoring procedures: None specified

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 207

Drilling Emulsifier

MATERIAL SAFETY DATA SHEET

8.2 Exposure controls:

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)

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, amber to light brown

(physical state, colour etc.)

Odour: Hydrocarbon

Odour threshold: Not determined

pH: 6-8

Melting/freezing point: < 0°C

Initial boiling point and boiling range: Not determined

Flash point: >60°C

Evaporation rate: Not determined

Flammability (solid, gas): Not determined

Upper/lower flammability or explosive limits: Not determined

Vapour pressure: Not determined

Vapour density: Not determined

Relative density at 20°C: 0.95 to 1.1 mg/ml

Solubility(ies): Insoluble

Partition coefficient: Not determined

Auto-ignition temp.: Not determined

Decomposition temp.: Not determined

Viscosity at 20°C: <200 cps

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

SECTION 9: Physical and Chemical Properties

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 207

Drilling Emulsifier

MATERIAL SAFETY DATA SHEET

10.5 Incompatible materials:

Oxidizing agents, Strong acids, Strong bases, Amines

10.6 Hazardous decomposition products:

None known

11.1 Information on toxicological effects:

No data available on mixture. Data provided is based on individual ingredient(s)

Acute toxicity:**Gas oil**

Straight run middle distillate was inhaled by male and female rats for 4 hours at TWA concentrations from 1.05 mg/L to 5.39 mg/L. An estimated LC50 value of 1.78 mg/L for the combined sexes and 1.72 mg/L for males rats and 1.82 mg/L for females.

Fatty acid esters No data available**Skin corrosion/irritation:**

Repeated exposure may cause skin dryness or cracking

Serious eye damage/irritation:

Causes mild eye irritation

Respiratory or skin sensitisation:

Not expected to cause respiratory or skin sensitisation

Germ cell mutagenicity:

Not expected to cause heritable genetic effects

Carcinogenicity:

Suspected of causing cancer through prolonged and repeated exposure

Reproductive toxicity:

Not expected to cause reproductive toxicity

STOT – single exposure:

Not expected to cause organ effects after a single exposure

STOT – repeated exposure:

Not expected to cause organ effects after a repeated exposure

Aspiration hazard:

May be fatal if swallowed and enters airways

Symptoms relating to physical, chemical and toxicological characteristics:

While significant vapour concentrations are not likely, high concentrations can cause minor respiratory irritation, headache, drowsiness and dizziness, loss of co-ordination, disorientation and fatigue. Ingestion can cause irritation of the digestive tract, nausea, diarrhoea and vomiting.

Other information:

None known

12.1 Toxicity:

No data available on mixture.

12.2 Persistence and degradability:

None known

12.3 Bioaccumulative potential:

High potential for bioaccumulative

12.4 Mobility in soil:

Adsorption is the most predominant physical process on release to soil. Adsorbed hydrocarbons will slowly degrade in both soil and water.

12.5 Results of PBT and vPvB assessment:

No data available

12.6 Other adverse effects:

None anticipated

**SECTION 11:
Toxicological Information****SECTION 12:
Ecological Information**

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@saudi-chem.com Website: www.saudi-chem.com



INVENTED TO LAST

كيماويات السعودية

Saudi Chem

SC 207

Drilling Emulsifier

MATERIAL SAFETY DATA SHEET

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 information
		Not classified for transport				

14.6 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code:

No 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 used in this document:

H351 Suspected of causing cancer

R-Phrases used in this document:

Xn; R40 Limited evidence of carcinogenicity

SECTION 16: Other Information

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