



INVENTED TO LAST

كيماويات السعودية
Saudi Chem

SC 14-NT

Drilling invert Emulsifier

MATERIAL SAFETY DATA SHEET

Section 1:

Identification of the Substance
Mixture and the Company
Undertaking

1.1 Product Identifier:

Name: SC 14-NT
Description: Drilling invert 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 / Telephone / E-Mail: 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

1.4 Emergency telephone number :

+966 13 8121166
(between 0900 – 1700 Saudi Arabia time)

Section 2:

Hazards Identification

2.1 Classification of the substance/mixture:

Classification according to (EC) Regulation 1272/2008

Aspiration hazard (Category 1) H304
(See section 16 for full text of H-Statements)

Classification according to Directive 1999/45/EC

Xn; R65
(See section 16 for the full text of R-Phrases)

2.2 Label elements:



Signal word: DANGER

Hazard statement(s):

H304 May be fatal if swallowed and enters airways

Precautionary statement(s):

P301 + P310 IF SWALLOWED: Immediately call a **POISON CENTER**
or doctor/physician.
P331 Do **NOT** induce vomiting

2.3 Other hazards:

Possible effects to soil dwelling organisms

3.2 Mixtures:

Hazardous ingredient(s):

Ingredients	% by weight	CAS/EU number	Classification Directive 1999/45/EC	Classification Regulation (EC) 1272/2008
Distillate (petroleum) hydrotreated light	40-60	64742-47-8 / 265-149-8	Xn; R65	Asp. Tox. 1 H304
Fatty acid reaction products	40-60		Not classified	Not classified

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

Section 3:

Composition
Information on Ingredients

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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 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

Section 7:

Handling and Storage

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

Section 8:

Exposure Controls Personal Protection

8.1 Control parameters:

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

Occupational exposure levels for:	Value	Conclusion
Distillate (petroleum) hydrotreated light	DNEL	Oral long term Systemic effects 19 mg/kg/day
Fatty acid reaction product		No data available

Monitoring procedures: None specified

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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 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

9.1 Information on basic physical and chemical properties:

(a) Appearance:	(physical state, colour etc.)
(b) Odour:	Hydrocarbon
(c) Odour threshold:	Not determined
(d) pH:	4 to 5
(e) Melting/freezing point:	< 0°C
(f) Initial boiling point and boiling range:	180 - 390°C
(g) Flash point:	above 150 deg F
(h) Evaporation rate:	Not determined
(i) Flammability (solid, gas):	Not determined
(j) Upper/lower flammability or explosive limits:	Not determined
(k) Vapour pressure:	Not determined
(l) Vapour density:	Not determined
(m) Relative density at 20°C:	0.90 to 0.95 mg/ml
(n) Solubility (ies):	Insoluble
(o) Partition coefficient:	Not determined
(p) Auto-ignition temperature:	>250°C
(q) Decomposition temperature:	Not determined
(r) Viscosity at 20°C:	<200 cps

9.2 Other data:

These are typical values and do not constitute a specification

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Section 9: Physical and Chemical Properties



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Section 9:

Physical and
Chemical Properties

Section 11:

Toxicological Information

Section 12:

Ecological Information

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, 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)

(a) Acute toxicity:

Distillate (petroleum) hydrotreated light

(Oral LD50) >5000 mg/kg Rat

(Dermal LD50) >2000 mg/kg Rabbit

(Inhalation LC50) >5.28 mg/l (vapours)

Rat 4 hours

Fatty acid reaction product

No data available

(b) Skin corrosion/irritation:

Not expected to cause skin corrosion

(c) Serious eye damage/irritation:

May cause mild eye irritation

(d) Respiratory or skin sensitisation:

Not expected to cause respiratory or

skin sensitisation

(e) Germ cell mutagenicity:

Not expected to cause heritable genetic

effects

(f) Carcinogenicity:

Not expected to cause cancer

(g) Reproductive toxicity:

Not expected to cause reproductive

toxicity

(h) STOT – single exposure:

Not expected to cause organ effects after

a single exposure

(i) STOT – repeated exposure:

Not expected to cause organ effects after

a repeated exposure

(j) Aspiration hazard:

Harmful: may cause lung damage if

swallowed

Other information:

Pneumonia may be the result if vomited

material containing solvents reaches the

lungs

12.1 Toxicity:

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

Distillate (petroleum) hydrotreated light

Acute Toxicity – Fish

LC50 96 Hrs >10 mg/l Rainbow trout

EC50 48 Hrs >10mg/l Daphnia magna

12.2 Persistence and degradability:

None known

12.3 Bioaccumulative potential:

Low potential for bioaccumulative

12.4 Mobility in soil:

No data available

12.5 Results of PBT and vPvB assessment:

Not classified as PBT/vPvB by current EU criteria

12.6 Other adverse effects:

None anticipated

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Section 13:

Disposal Considerations

Section 14:

Transport Information

Section 15:

Regulatory Information

Section 16:

Other Information

13.1 Waste treatment methods:

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

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
ADR		Not regulated for transport				
IMDG		Not regulated for transport				
IATA		Not regulated for transport				

14.6 Transport in bulk according to

Annex II of MARPOL 73/78 and the IBC code:

No applicable

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:

H304 May be fatal if swallowed and enters airways

R-Phrases used in this document:

Xn; R65 Harmful: may cause lung damage if swallowed

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.

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