



INVENTED TO LAST

كيماويات السعودية

Saudi Chem

SC 54-SA

Drilling Corrosion Inhibitor

MATERIAL SAFETY DATA SHEET

Section 1:

Identification of the Substance
Mixture and Company
Undertaking

1.1 Product identifier:

Name: SC 54-SA
Description: Drilling Corrosion Inhibitor

1.2 Relevant identified uses of the substance/mixture:

Uses: Oil and gas industry application use anti-corrosion additive
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 13 812 3928
(between 0900 – 1700 Saudi Arabia time)

Section 2:

Hazards Identification

2.1 Classification of the substance/mixture:

Classification according to (EC) Regulation 1272/2008

Acute Toxicity (Category 4) H302
Hazardous to the Aquatic Environment (Chronic Category 3) H412
(See section 16 for full text on H-Statements)

Classification according to Directive 1999/45/EC

Xn; R22
R/5253
(See section 16 for full text on R-Phrases)

2.2 Label elements:



Signal word: **WARNING**

Hazard statement(s):

H302 Harmful if swallowed
H412 Harmful to aquatic life with long lasting effects

Precautionary statement(s):

P273 Avoid release to the environment
P301+P312 IF SWALLOWED: Call a doctor if you feel unwell
P501 Dispose of the contents/container in accordance with local/national regulations

2.3 Other hazards:

Possible effects to soil dwelling organisms

3.2 Mixture

Hazardous ingredients: Heterocyclic polyamine in water

Ingredients	% Conc	CAS number	Classification Directive 1999/45/EC	Classification Regulation (EC) 1272/2008
Heterocyclic Polyamines	30-50	68909-77-3	Xn; R22 R52/53	Acute Tox. 4, H302 Aquatic Chronic 3, H412
COCO QUAT	XXX	XXX	XXX	XXX

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:

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

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Section 8:

Exposure Controls
Personal Protection

8.1 Control parameters:

Occupational exposure levels for:	8h-TWA	Reference
Polyamine	100 mg/m ³	ACGIH (2006)

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)

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:

(a) Appearance: (physical state, colour etc.) Brown liquid

(b) Odour: Ammonia type

(c) Odour threshold: Not determined

(d) pH: 10 to 12

(e) Melting/freezing point: <1°C

(f) Initial boiling point and boiling range: Not determined

(g) Flash point: >60°C

(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

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(m) Relative density 20°C:	0.98 to 1.15 g/cc
(n) Solubility (ies):	Soluble in water and organic solvents
(o) Partition coefficient:	Not determined
(p) Auto-ignition temperature:	Not determined
(q) Decomposition temperature:	Not determined
(r) Viscosity:	<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

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.

(a) Acute toxicity:	Not known
(b) Skin corrosion/irritation:	May irritate on contact
(c) Serious eye damage/irritation:	May cause irritation
(d) Respiratory or skin sensitisation:	May cause sensitisation by inhalation or skin contact
(e) Germ cell mutagenicity:	Not known
(f) Carcinogenicity:	Not known
(g) Reproductive toxicity:	Not known
(h) STOT – single exposure:	Not known
(i) STOT – repeated exposure:	Not known
(j) Aspiration hazard:	Not known

Likely routes of exposure: Contact with skin and eyes or by inhalation

Symptoms relating to physical, chemical and toxicological characteristics:

Eye, nose or throat irritation

Delayed and immediate effects as well as chronic effects from short and long-term exposure:

May cause irritation short-term.

Other information:

None known

Section 10:

Stability and Reactivity

Section 11:

Toxicological Information

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No data available on mixture.

12.1 Toxicity:

None known

12.2 Persistence and degradability:

None known

12.3 Bioaccumulative potential:

Low potential for bioaccumulative potential

12.4 Mobility in soil:

High mobility

12.5 Results of PBT and vPvB assessment:

Not required

12.6 Other adverse effects:

None known

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
EU/ADR/RID/ IATA		Not regulated			

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

Not 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

Inventories used: ESIS (European chemical Substances Information System)

Sources of information used: ECHA (European Chemicals Agency)
HSE (Health and Safety Executive)
OSHA (Occupational Safety and Health Administration)

H-Statements used in this document:

H302 Harmful if swallowed
H412 Harmful to aquatic life with long lasting effects

R-Phrases used in this document:

Xn; R22 Harmful if swallowed
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

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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Section 12:

Ecological Information

Section 13:

Disposal Considerations

Section 14:

Transport Information

Section 15:

Regulatory Information

Section 16:

Other Information