



INVENTED TO LAST

كيماويات السعودية

Saudi Chem

SC 143-SA

Bactericide

MATERIAL SAFETY DATA SHEET

SECTION 1:

Identification of the Substance/
Mixture and the Company/
Undertaking

1.1 Product identifier:

Name: SC 143-SA
Description: Bactericide

1.2 Relevant identified uses of the substance/mixture:

Uses: Oil and gas industry application use biocide
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

Acute toxicity (Category 4) **H302**
Acute toxicity (Category 4) **H332**
Eye damage (Category 1) **H318**
Skin corrosion (Category 1B) **H314**
Skin sensitisation (Category 1) **H317**
Respiratory sensitisation (Category 1) **H334**
Acute aquatic toxicity (Category 1) **H400**
Chronic aquatic toxicity (Category 2) **H411**

(See section 16 for full text of H-Statements)

Classification according to Directive 1999/45/EC

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

T; R23/25
C; R34
R42/43
N; R50

2.2 Label elements:



Signal word: Danger

Hazard statement(s):

H302 Harmful if swallowed
H332 Harmful if inhaled
H314 Causes severe skin burns and eye damage
H317 May cause an allergic skin reaction
H318 Causes serious eye damage
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled
H400 Very toxic to aquatic life
H411 Toxic to aquatic life with long lasting effects

Precautionary statement(s):

P261 Avoid breathing dust/fume/gas/mist/vapours/spray
P273 Avoid release to the environment
P280 Wear protective gloves/eye protection/face protection
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTRE or doctor / physician

2.3 Other hazards:

Possible effects to soil dwelling organisms

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SECTION 3: Composition/Information on Ingredients

3.2 Mixtures:mixture of glutaral and none classified ingredients Hazardous ingredient(s):

Substance	% by weight	CAS number	Classification Regulation (EC) 1272/2008
Glutaral solution	25-50	111-30-8	Acute Tox. 3, H301+H331, Skin Corr. 1B H314, Skin Sens.1 H317, Resp Sens. 1 H334, Eye Damage 1 H318, Aquatic Acute 1 H400, Aquatic Chronic 1 H411
Methanol	<1	67-56-1	Flam. Liq. 2, H225 Acute Tox. 3 H301 Acute Tox. 3 H311 Acute Tox. 3 H331 STOT SE 1 H370

(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.

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-
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

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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

SECTION 8: Exposure Controls/ Personal Protection

8.1 Control parameters:

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

Substance	Hazard Assessment	Hazard route	Exposure	Hazard Assessment Conclusion
Glutaral solution	DNEL (Derived No Effect Limit)	Inhalation - workers	Long term exposure	0.25 mg/m ³
			Acute / Short term	0.5 mg/m ³

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

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:

Appearance: (physical state, colour etc.)	Yellow liquid
Odour:	No data available
Odour threshold:	Not determined
pH:	2 to 4
Melting/freezing point:	-5°C
Initial boiling point and boiling range:	Not determined
Flash point:	Not determined
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:	0.97 to 1.12 g/cm ³

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Solubility(ies):	Not determined
Partition coefficient:	Not determined
Auto-ignition temperature:	Not determined
Decomposition temperature:	Not determined
Viscosity cps at 23°C:	Not determined

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, flamed 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

11.1 Information on toxicological effects:

Acute toxicity:	No data available
Skin corrosion/irritation:	No data available
Serious eye damage/irritation:	No data available
Respiratory or skin sensitisation:	May cause allergic respiratory reaction and allergic skin reaction
Germ cell mutagenicity:	Not known
Carcinogenicity:	Not known
Reproductive toxicity:	Not known
STOT – single exposure:	Not known
STOT – repeated exposure:	Not known
Aspiration hazard:	Not known
Potential health effects:	
Inhalation:	Toxic if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract
Ingestion:	Toxic if swallowed. Causes burns
Skin:	Toxic if absorbed through skin. Causes skin burns
Eyes:	Causes eye burns
Other information:	None known

12.1 Toxicity–On Ingredient(s):

Glutaral: Short term toxicity to fish 96 h / LC50 13 mg/L Trout

Glutaral: Long term toxicity to fish 97 d / NOEC / 3.2 mg/L Trout

12.2 Persistence and degradability:

None known

12.3 Bioaccumulative potential:

Low potential

SECTION 10:

Stability and Reactivity

SECTION 11:

Toxicological Information

SECTION 12:

Ecological Information

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12.4 Mobility in soil:

High mobility in soil

12.5 Results of PBT and vPvB assessment:

No data available

12.6 Other adverse effects:

Toxic to aquatic life with long lasting effects

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 Info
ADR	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Glutaral)	9	III	Trans cat. 3 Tunnel code (E)
IMDG	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Glutaral)	9	III	Yes (IMGD: Marine pollutant)
IATA	UN3082	Environmentally hazardous substance, liquid, n.o.s. (Glutaral)	9	III	Yes

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

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:

H302 Harmful if swallowed
H332 Harmful if inhaled
H301 Toxic if swallowed
H331 Toxic if inhaled
H314 Causes severe skin burns and eye damage
H317 May cause an allergic skin reaction
H318 Causes serious eye damage
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled
H400 Very toxic to aquatic life
H411 Toxic to aquatic life with long lasting effects
H225 Highly flammable liquid and vapour
H311 Toxic in contact with skin
H370 Causes damage to organs

R-Phrases used in this document:

T; R23/25 Toxic by inhalation and if swallowed.
C; R34 Causes burns.
R42 May cause sensitization by inhalation
R43 May cause sensitization by skin contact
N; R50 Very toxic to aquatic organisms

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SECTION 13:
Disposal Considerations

SECTION 14:
Transport Information

SECTION 15:
Regulatory Information

SECTION 16:
Other Information



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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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