

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name	Marisol SG-2
Article No.	24-4545
UFI code	VGST-G098-C00S-D32H

1.2. Relevant identified uses of the substance or mixture and uses advised against

Product type	Disinfectant
Relevant identified uses	Restricted to professional users.

1.3. Details of the supplier of the safety data sheet

Supplier	AB DFS
Street address	Fiskebäcks Hamn 7 426 58 Västra Frölunda Sweden
Telephone	031-29 14 35
Email	order@dfs-ab.se
Web site	www.dfs-ab.se

1.4. Emergency telephone number

Emergency phone number	112
Available outside office hours	Yes

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Classification	Skin corrosion, hazard category 1B Hazardous to the aquatic environment — Chronic hazard category 2 Hazardous to the aquatic environment — Acute hazard category 1 Serious eye damage, hazard category 1
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Hazard statements	H314, H318, H400, H411
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2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

Hazard pictograms



Signal word Danger

Hazard statements
H314 Causes severe skin burns and eye damage.
H400 Very toxic to aquatic life.
H411 Toxic to aquatic life with long lasting effects.

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Precautionary statements

P310 Immediately call a POISON CENTER/doctor
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P301 + P330 + P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P273 Avoid release to the environment.
P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

More information

Contains: C12-16 Alkyldimethylbenzylammonium chloride

2.3. Other hazards

Other hazards

This mixture does not contain any REACH registered substances that are assessed to be a PBT or a vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical name	CAS No. EC No. REACH No. Index No.	Concentration	Classification	H-phrase M factor acute M factor chronic	Note
C12-16 Alkyldimethylbenzylammonium chloride	68424-85-1 270-325-2 - -	11 - 12%	Acute Tox. 4 - oral, Skin Corr. 1B, Eye Dam. 1, Aquatic Acute 1, Aquatic Chronic 1	H302, H314, H318, H400, H410 M-acut=10 M-chro=1	-

**Substance additional
information**

Section 16 for the full text of H-phrases mentioned in this section.

SECTION 4: First aid measures

4.1. Description of first aid measures

Description of first aid measures

In uncertainty or when symptoms persist, seek medical attention.

Inhalation

If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Rinse nose and mouth with water. Consult a physician.

Skin contact

Remove contaminated clothing. Flush immediately with plenty of tempered water for several minutes. Consult a physician.

Eye contact

In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Seek medical attention immediately.

Ingestion

Rinse mouth If the injured person is fully conscious, give him/her a couple of glasses of milk or water immediately. DO NOT INDUCE VOMITING! Consult a physician for specific advice.

4.2. Most important symptoms and effects, both acute and delayed

**Most important symptoms and
effects, both acute and delayed**

Causes severe caustic burns to skin and eyes.

4.3. Indication of any immediate medical attention and special treatment needed

Indication of any immediate medical attention and special treatment needed	Treat symptomatically.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
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Unsuitable extinguishing media	Do not use a direct jet of water.
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5.2. Special hazards arising from the substance or mixture

Special hazards arising from the substance or mixture	Corrosive liquid. By heating and fire, harmful vapours/gases may be formed.
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5.3. Advice for firefighters

Special protective equipment for fire-fighters	Containers in the vicinity of fire should be moved immediately or cooled with water. Firefighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face mask. Firefighter equipment (eg helmet, safety boots and gloves) that complies with the European standard EN 469, provides basic protection in the event of chemical accidents.
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Measures in case of fire	Immediately isolate the area by dismissing people in the vicinity of the fire.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions, protective equipment and emergency procedures	Ensure good ventilation. Wear suitable protective equipment. Avoid inhalation and contact with the skin and eyes. Prevent further leakage or spillage if safe to do so.
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6.2. Environmental precautions

Environmental precautions	Prevent entry to sewers and public waters. Notify the responsible authority in the event of contamination of soil or water, or discharges into sewage systems.
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6.3. Methods and material for containment and cleaning up

Methods and material for containment and cleaning up	Small quantities: Clean surface thoroughly to remove residual contamination. Major spillage should be banked with sand, earth or similar material and collected into suitable enclosed containers for further destruction.
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6.4. Reference to other sections

Reference to other sections	Personal protection see section 8 and for disposal see section 13.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Preventive handling precautions	Ensure good ventilation. Avoid the inhalation of fumes as well as contact with skin and eyes. Wear personal protective equipment.
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General hygiene

Emergency shower and eyewash shall be available at the work site. Wash hands before breaks and immediately after handling the product. Wash contaminated clothing before re-use.

7.2. Conditions for safe storage, including any incompatibilities

Conditions for safe storage, including any incompatibilities

The product is not flammable. Do not store in tanks/containers made of materials such as aluminum, which can be attacked by alkaline substances. Keep locked-up. Keep in a frost-free place. The product should be stored in sealed containers at room temperature or cooler. Keep in properly labelled containers.

7.3. Specific end use(s)

Specific end use(s)

Identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits

Contains no substances with occupational exposure limit values.

8.2. Exposure controls

Appropriate engineering controls

Emergency shower and eye wash facilities must be available at the workplace. Ensure adequate ventilation.

Eye / face protection

Use goggles or face shield (EN 166).

Hand protection

Protective gloves complying with EN 374. Protective Gloves: Neoprene or nitrile rubber.

Other skin protection

Wear suitable protective clothing.

Respiratory protection

Breathing protection is not normally required.
In case of inadequate ventilation wear respiratory protection.

Environmental exposure controls

To limit the environmental exposure of the product, the product must be disposed of or incinerated in accordance with local regulations. Do not empty into drains.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state

Liquid

Colour

Clear

Odour

Unscented

Melting point / freezing point

No information available

Boiling point or initial boiling point and boiling range

Approx. 100 ° C

Flammability

The product is not flammable.

Lower and upper explosion limit

No information available

Flash point

>100°C

Auto-ignition temperature

The product is not self-ignitable.

Decomposition temperature

No information available

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pH	7.5
Kinematic viscosity	No information available
Solubility	Easy soluble in water
Partition coefficient n-octanol/water	No information available
Vapour pressure	No information available
Density and/or relative density	No data available
Relative density	0.991
Relative vapour density	No information available
Particle characteristics	Not relevant.

9.2. Other information

Other information	No information available
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	Stable under normal conditions and temperatures.
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10.2. Chemical stability

Chemical stability	Stable under normal conditions and temperatures.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Avoid contact with strong acids.
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10.4. Conditions to avoid

Conditions to avoid	Avoid excessive heat for prolonged periods.
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10.5. Incompatible materials

Incompatible materials	Avoid contact with strong acids.
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10.6. Hazardous decomposition products

Hazardous decomposition products	No known hazardous decomposition products for this product.
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SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity	Based on available data, the classification criteria are not met.
Skin corrosion/irritation	Causes severe skin burns and eyes.
Serious eye damage/irritation	Causes serious eye damage.

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Germ cell mutagenicity Based on the available data, the classification criteria are not met.

Carcinogenicity Based on the available data, the classification criteria are not met.

Repeated dose toxicity Based on the available data, the classification criteria are not met.

Reproductive toxicity Based on the available data, the classification criteria are not met.

STOT-single exposure Based on the available data, the classification criteria are not met.

STOT-repeated exposure Based on the available data, the classification criteria are not met.

Aspiration hazard Based on the available data, the classification criteria are not met.

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation may cause burning in the nose and throat and irritate the mucous membranes.

Acts degreasing / drying on the skin. Prolonged or repeated skin contact may cause toxic irritant dermatitis.

Causes irritation, excessive burning and pain. Risk of damage to the cornea.

Ingestion may cause severe pain and possibly burns of the mouth and throat, nausea, vomiting and abdominal pain.

11.2. Information on other hazards

Endocrine disrupting properties Contains no substances with endocrine disrupting properties.

Other information No information available

SECTION 12: Ecological information

12.1. Toxicity

Toxicity Very toxic to aquatic organisms.
Toxic to aquatic life with long lasting effects.

12.2. Persistence and degradability

Persistence and degradability No information available

12.3. Bioaccumulative potential

Bioaccumulative potential No information available

12.4. Mobility in soil

Mobility No information available

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment The product and its agents are not expected to be PBT and/or vPvB.

12.6. Endocrine disrupting properties

Endocrine disrupting properties Contains no substances with endocrine disrupting properties.

12.7. Other adverse effects

Other adverse effects None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal considerations

The product should be disposed of as hazardous waste. Dispose of any product, residue or packing material according to national and local regulations. Do not dispose of waste into sewer.

Packaging

Contaminated packaging must be disposed of as product. Empty, cleaned packaging must be sorted for recycling.

Waste code	Description
07 04 01*	aqueous washing liquids and mother liquors

Please note - an asterisk (*) next to a code denotes that it is HAZARDOUS WASTE.

Other

Waste code

The waste code is a recommendation. Depends on business area and use. Appropriate classification of waste is the user's responsibility.

SECTION 14: Transport information

14.1. UN number

UN number

1760

14.2. UN proper shipping name

CORROSIVE LIQUID N.O.S. (C12-16 alkyldimethylbenzylammonium chloride)

IMDG proper shipping name

CORROSIVE LIQUID N.O.S. (C12-16 Alkyldimethylbenzylammonium chloride)

14.3. Transport hazard class(es)

Label

8

ADR / RID Class

8

ADR / RID Classification code

C9

ADR / RID hazard identification number

80

IMDG Class

8

14.4. Packing group

Packing group

II

14.5. Environmental hazards

Environmental hazards

The product is classified as dangerous for the environment: Toxic to aquatic life with long lasting effects. Very toxic to aquatic organisms.

IMDG Marine Pollutant

YES

14.6. Special precautions for user

Special precautions for user

Tunnel restriction code: E
IMDG EmS: F-A, S-B

14.7. Maritime transport in bulk according to IMO instruments

Maritime transport in bulk according to IMO instruments

The load is not intended for bulk transport.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulations

Regulation (EC) No 1907/2006 of the European Parliament and of the Council, (REACH).
Regulation (EC) No 1272/2008 of the European Parliament and of the Council.
EUROPEAN PARLIAMENT AND COUNCIL REGULATION (EC) No 648/2004 on detergents.
The International Maritime Dangerous Goods (IMDG) Code, 2020 Edition.
REGULATION (EU) No 528/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL concerning the making available on the market and use of biocidal products.
ADR 2021: Agreement concerning the International Carriage of Dangerous Goods by Road, ECE/TRANS/300.

National regulations

Local laws and regulations should be carefully observed.

15.2. Chemical safety assessment

Chemical safety assessment

No chemical safety assessment has been performed.

SECTION 16: Other information

Changes to previous revision

1

Abbreviations

PBT: Persistent, Bioaccumulative and Toxic.
vPvB: very Persistent and very Bioaccumulative.

References to key literature and data sources

<http://echa.europa.eu>
<http://eur-lex.europa.eu>

Evaluation methods for classification

The classification is based on the addition method according to Regulation (EC) No 1272/2008 (CLP).

Phrase meaning

Acute Tox. 4 - oral - Acute toxicity, oral, hazard category 4
Skin Corr. 1B - Skin corrosion, hazard category 1B
Eye Dam. 1 - Serious eye damage, hazard category 1
Aquatic Acute 1 - Hazardous to the aquatic environment — Acute hazard category 1
Aquatic Chronic 1 - Hazardous to the aquatic environment — Chronic hazard category 1
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.