

**SAFETY DATA SHEET**  
According to Regulation (EC) No 1907/2006  
**Marisol OC-E**

Version number: 5

Issued: 2022-05-03

Replaces SDS: 2021-06-28

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

### 1.1. Product identifier

<b>Trade name</b>	Marisol OC-E
<b>Article No.</b>	24-4099, 24-4100
<b>UFI code</b>	0GJ3-R07H-E00A-XHPS

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

<b>Product type</b>	Alkaline cleaning agent.
<b>Relevant identified uses</b>	Restricted to professional users.

### 1.3. Details of the supplier of the safety data sheet

<b>Supplier</b>	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

<b>Emergency phone number</b>	112
<b>Available outside office hours</b>	Yes

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

<b>Classification</b>	Serious eye damage, hazard category 1 Skin irritation, hazard category 2
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<b>Hazard statements</b>	H315, H318
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### 2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

**Hazard pictograms**



**Signal word** Danger

**Hazard statements**  
H315 Causes skin irritation.  
H318 Causes serious eye damage.

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**Precautionary statements**

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P310 Immediately call a POISON CENTER/doctor  
P302 + P352 IF ON SKIN: Wash with plenty of water/.

**More information**

Contains: Quaternary ammonium compounds, C12-14-alkyl(hydroxyethyl)dimethyl, ethoxylated, chlorides

*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
Alcohols, C9-11, ethoxylated	68439-46-3 614-482-0 - -	20 - 21%	Eye Irrit. 2	H319 - -	-
Quaternary ammonium compounds, C12-14-alkyl(hydroxyethyl)dimethyl, ethoxylated, chlorides	1554325-20-0 810-152-7 - -	12 - 13%	Acute Tox. 4 - oral, Skin Irrit. 2, Eye Dam. 1	H302, H315, H318 - -	-
Tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate	51981-21-6 257-573-7 01-2119493601-38 -	2 - 3%	Met. Corr. 1	H290 - -	-

**Substance additional information**

Regulation (EC) No 648/2004 on detergents:  
Contains:  
Non-ionic surfactants 15-< 30%.  
Cationic surfactants 5-15%.

For the complete text of H- / EUH-statements mentioned in this section, see section 16.

## 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. Rinse the skin immediately with lots of water. Get medical attention if irritation develops and persists.

**Eye contact**

In case of contact with eyes, remove any contact lenses and rinse immediately with plenty of water, even under the eyelids, for at least 15 minutes. Continue rinsing eyes during transport to hospital.

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<b>Ingestion</b>	Rinse mouth out with water. Give small amounts of water to drink. Do not induce vomiting. Consult a physician for specific advice.
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*4.2. Most important symptoms and effects, both acute and delayed*

<b>Inhalation</b>	Inhalation of mist can cause pain and coughing.
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<b>Skin contact</b>	Irritating to skin. Prolonged/repeated contact may cause skin dryness or cracking.
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<b>Eye contact</b>	Causes serious eye damage. May cause pain, heavy tearing, redness, swelling and blurred vision. Risk of damage to the cornea.
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<b>Ingestion</b>	May cause burning in the mouth and throat. May cause nausea, vomiting, diarrhea and abdominal pain.
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*4.3. Indication of any immediate medical attention and special treatment needed*

<b>Indication of any immediate medical attention and special treatment needed</b>	Treat symptomatically.
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## SECTION 5: Firefighting measures

*5.1. Extinguishing media*

<b>Suitable extinguishing media</b>	Foam, dry chemical or carbon dioxide.
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<b>Unsuitable extinguishing media</b>	Do not use a direct jet of water.
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*5.2. Special hazards arising from the substance or mixture*

<b>Special hazards arising from the substance or mixture</b>	The product is not flammable. Not combustible. If involved in a fire, it may emit noxious and toxic fumes. Fatty alcohol alkoxyate: In case of fire, carbon monoxide (CO) is formed.
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*5.3. Advice for firefighters*

<b>Special protective equipment for fire-fighters</b>	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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<b>Measures in case of fire</b>	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*

<b>Personal precautions, protective equipment and emergency procedures</b>	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*

<b>Environmental precautions</b>	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*

<b>Methods and material for containment and cleaning up</b>	Small quantities may be flushed away with water. 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.

## SECTION 7: Handling and storage

7.1. Precautions for safe handling

**Preventive handling precautions** Ensure good ventilation. Avoid inhalation and contact with the skin and eyes. Wear personal protective equipment.

**General hygiene** Wash hands before breaks and immediately after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

**Conditions for safe storage, including any incompatibilities** Keep locked-up. Keep in a frost-free place. Keep container tightly closed. 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 eyewash shall be available at the work site.

**Eye / face protection** Use goggles or face shield (EN 166).

**Hand protection** Protective gloves complying with EN 374.  
Use suitable protective gloves made of nitrile rubber.

**Other skin protection** Long-sleeved clothes.

**Respiratory protection** In case of inadequate ventilation wear respiratory protection.

**Environmental exposure controls** Dispose of rinse water in accordance with local and national regulations.

## SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

**Physical state** Liquid

**Colour** Colourless

**Odour** Slight odour

**Melting point / freezing point** No information available

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<b>Boiling point or initial boiling point and boiling range</b>	Approx. 100 ° C
<b>Flammability</b>	The product is not flammable.
<b>Lower and upper explosion limit</b>	No information available
<b>Flash point</b>	No data available
<b>Auto-ignition temperature</b>	No information available
<b>Decomposition temperature</b>	No information available
<b>pH</b>	11
<b>Kinematic viscosity</b>	No information available
<b>Solubility</b>	Miscible with water.
<b>Partition coefficient n-octanol/water</b>	No information available
<b>Vapour pressure</b>	No information available
<b>Density and/or relative density</b>	1000 kg/m <sup>3</sup>
<b>Relative vapour density</b>	No information available
<b>Particle characteristics</b>	Not relevant.

*9.2. Other information*

<b>Other information</b>	No information available
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## SECTION 10: Stability and reactivity

*10.1. Reactivity*

<b>Reactivity</b>	Stable under normal usage and storage conditions.
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*10.2. Chemical stability*

<b>Chemical stability</b>	Stable under normal usage and storage conditions.
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*10.3. Possibility of hazardous reactions*

<b>Possibility of hazardous reactions</b>	Avoid contact with strong oxidizing agents.
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*10.4. Conditions to avoid*

<b>Conditions to avoid</b>	No information available.
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*10.5. Incompatible materials*

<b>Incompatible materials</b>	Avoid contact with strong oxidizing agents.
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*10.6. Hazardous decomposition products*

<b>Hazardous decomposition products</b>	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 the available data, the classification criteria are not met.

Product / Substance name CAS / EC no.	Dose descriptor	Value / Dose	Exposure route	Test animals
Alcohols, C9-11, ethoxylated 68439-46-3 / 614-482-0	LD50	> 2000 mg/kg	Oral	Rat
Quaternary ammonium compounds, C12-14-alkyl(hydroxyethyl)dimethyl, ethoxylated, chlorides 1554325-20-0 / 810-152-7	LD50	>300-2000 mg/kg	Oral	Rat
Tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate 51981-21-6 / 257-573-7	LD50	>5000 mg/kg	Oral	-

**Skin corrosion/irritation** Irritating to skin.

**Serious eye damage/irritation** Causes serious eye damage.

**Respiratory or skin sensitisation** Based on the available data, the classification criteria are not met.

Product / Substance name CAS / EC no.	Value / Dose	Species	Other
Alcohols, C9-11, ethoxylated 68439-46-3 / 614-482-0	Result : Negative.	Guinea pig	OECD Test Guideline 406

**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.

**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.

### 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** The product is not classified as environmentally harmful.

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**Acute fish toxicity**

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline
Alcohols, C9-11, ethoxylated 68439-46-3 / 614-482-0	LC50	>1-10 mg/l	96 h	Rainbow trout	OECD Test Guideline 203
Quaternary ammonium compounds, C12-14-alkyl(hydroxyethyl)dimethyl, ethoxylated, chlorides 1554325-20-0 / 810-152-7	LC50	>10-100 mg/l	96h	-	-
Tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate 51981-21-6 / 257-573-7	LC50	>100 mg/l	96 h	Rainbow trout	OECD Test Guideline 203

**Acute algae toxicity**

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species
Alcohols, C9-11, ethoxylated 68439-46-3 / 614-482-0	EC50	>1-10 mg/l	72 h	Skeletonema costatum
Quaternary ammonium compounds, C12-14-alkyl(hydroxyethyl)dimethyl, ethoxylated, chlorides 1554325-20-0 / 810-152-7	EC50	>1-10 mg/l	72h	-

**Acute crustacean toxicity**

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species
Alcohols, C9-11, ethoxylated 68439-46-3 / 614-482-0	EC50	>1-10 mg/l	48 h	Daphnia magna (Water flea)
Quaternary ammonium compounds, C12-14-alkyl(hydroxyethyl)dimethyl, ethoxylated, chlorides 1554325-20-0 / 810-152-7	EC50	>1-10 mg/l	48h	Daphnia magna (Water flea)

**12.2. Persistence and degradability**

**Persistence and degradability**

The component surfactants are easily biodegradable according to Regulation (EC) No 648/2004 on detergents.

Product / Substance name CAS / EC no.	Result	Method / Guideline
Alcohols, C9-11, ethoxylated	Readily biodegradable.	OECD TG 301D

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Product / Substance name CAS / EC no.	Result	Method / Guideline
68439-46-3 / 614-482-0		
Quaternary ammonium compounds, C12-14-alkyl(hydroxyethyl)dimethyl, ethoxylated, chlorides 1554325-20-0 / 810-152-7	Readily biodegradable.	OECD TG 301D

*12.3. Bioaccumulative potential*

**Bioaccumulative potential** Bioaccumulation is unlikely.

*12.4. Mobility in soil*

**Mobility** No information available

*12.5. Results of PBT and vPvB assessment*

**Results of PBT and vPvB assessment** This mixture does not contain any REACH registered substances that are assessed to be a PBT or a vPvB.

*12.6. Endocrine disrupting properties*

**Endocrine disrupting properties** Not relevant.

*12.7. Other adverse effects*

**Other adverse effects** No other adverse effects.

## 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.

**Packaging** Contaminated packaging must be disposed of as product. Emptied and cleaned packaging can be recycled.

Waste code	Description
07 06 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** Not classified as dangerous in the meaning of transport regulations.

*14.2. UN proper shipping name*

Not applicable.



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14.3. *Transport hazard class(es)*

<b>Label</b>	Not applicable.
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14.4. *Packing group*

<b>Packing group</b>	Not applicable.
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14.5. *Environmental hazards*

<b>Environmental hazards</b>	The product is not classified as environmentally hazardous.
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<b>IMDG Marine Pollutant</b>	No
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14.6. *Special precautions for user*

<b>Special precautions for user</b>	Not applicable.
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14.7. *Maritime transport in bulk according to IMO instruments*

<b>Maritime transport in bulk according to IMO instruments</b>	Not intended for bulk transport.
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## SECTION 15: Regulatory information

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

<b>EU regulations</b>	Regulation (EC) No 1907/2006 of the European Parliament and of the Council, (REACH). European Parliament and Council Regulation (EC) No. 1272/2008, CLP. EUROPEAN PARLIAMENT AND COUNCIL REGULATION (EC) No 648/2004 on detergents.
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<b>National regulations</b>	Local laws and regulations should be carefully observed.
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15.2. *Chemical safety assessment*

<b>Chemical safety assessment</b>	A chemical safety assessment has been performed for: Tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate
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## SECTION 16: Other information

<b>Changes to previous revision</b>	1
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<b>Abbreviations</b>	PBT: Persistent, Bioaccumulative and Toxic. vPvB: very Persistent and very Bioaccumulative. LD50: Lethal dose, the dose that kills 50% of a population. LC50: Lethal concentration for 50% of a test population. DNEL: Derived level without observed effects. PNEC: Presumed concentration without observed effects. EC50: The concentration of a substance that affects 50% of a population over a given period of time.
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<b>References to key literature and data sources</b>	<a href="http://echa.europa.eu">http://echa.europa.eu</a> <a href="http://eur-lex.europa.eu">http://eur-lex.europa.eu</a> C&L Inventory
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<b>Evaluation methods for classification</b>	The classification is based on the addition method according to Regulation (EC) No 1272/2008 (CLP).
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**Phrase meaning**

Eye Irrit. 2 - Eye irritation, hazard category 2  
Acute Tox. 4 - oral - Acute toxicity, oral, hazard category 4  
Skin Irrit. 2 - Skin irritation, hazard category 2  
Eye Dam. 1 - Serious eye damage, hazard category 1  
Met. Corr. 1 - Corrosive to metals, hazard category 1  
H290 May be corrosive to metals.  
H302 Harmful if swallowed.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.