

# SAFETY DATA SHEET

According to Regulation (EC) No 1907/2006

Issued: 2024-03-18

## Marisol CA

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

#### 1.1. Product identifier

**Trade name**

Marisol CA

**Article No.**

24-4051

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

**Relevant identified uses**

Cleansing agents, acidic.

Restricted to professional users.

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

**Supplier**

AB DFS

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

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**

Eye irritation, hazard category 2

Specific Target Organ Toxicity — Single exposure, hazard category 3 - respiratory tract irritation

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### Hazard statements

H319, H335

### 2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

### Hazard pictograms



### Signal word

Warning

### Hazard statements

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

### Precautionary statements

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P501 Dispose of contents/container to in accordance with local regulations.

### 2.3. Other hazards

The product and its ingredients are not expected to be PBT and/or 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
Citric acid	5949-29-1 201-069-1 01-2119457026-42 -	80 - 100%	Eye Irrit. 2, STOT SE 3 - resp. tract irrit.	H319, H335 - -	-

### Substance additional information

Explanation of the hazard statements is given in section 16

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### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### Inhalation

Exposed should be moved to a place with fresh air. Rinse nose and mouth with water. Seek medical attention if symptoms persist.

##### Skin contact

Wash skin thoroughly with soap and water. Take off contaminated clothing. Seek medical attention if symptoms persist.

##### Eye contact

Rinse immediately with plenty of water during at least 15-30 minutes (keep eye-lids wide apart). If symptoms persists (eg, stinging, pain, and impaired vision) continue to rinse and seek medical attention or hospitalization.

##### Ingestion

Rinse mouth with water. Seek medical attention if symptoms persist.

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

##### Inhalation

May cause respiratory irritation.

##### Eye contact

May cause severe eye irritation.

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

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

##### Suitable extinguishing media

Choose extinguishing media depending on what is burning. Foam, dry powder, carbon dioxide or water spray jet is suitable.

##### Unsuitable extinguishing media

Do not use water in a collected jet, as this may cause the fire to spread.

#### 5.2. Special hazards arising from the substance or mixture

Oxides of: Carbon.

#### 5.3. Advice for firefighters

##### Special protective equipment for fire-fighters

Firefighting Personnel, in addition to their usual protective equipment should use eye and face protection against the effects of acid splashes. Breathing Apparatus with closed system should be used immediately at risk of product developing toxic and flammable gas (phosphine).

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### **Measures in case of fire**

Move container from fire.

## SECTION 6: Accidental release measures

### **6.1. Personal precautions, protective equipment and emergency procedures**

Information regarding appropriate equipment see section 8. Avoid inhalation of dust. Ventilate well. Avoid contact with skin and eyes.

### **6.2. Environmental precautions**

Prevent discharges to watercourses, waste water or the ground. Notify the responsible authority in the event of contamination of soil or water, or discharges into sewage systems.

### **6.3. Methods and material for containment and cleaning up**

Ensure that waste and contaminated materials are collected and removed from the work area as soon as possible in a suitably labelled container. Flush the contaminated area with plenty of water. Collect and place in suitable waste containers and seal them securely.

### **6.4. Reference to other sections**

Reference to Section 8 for protective equipment and section 13 for waste disposal.

## SECTION 7: Handling and storage

### **7.1. Precautions for safe handling**

#### **Preventive handling precautions**

Avoid spilling, skin and eye contact. Avoid handling which leads to dust formation. Avoid inhalation of dust. Ventilate well.

#### **General hygiene**

Do not eat or drink at workplace. Wash hands after handling.

### **7.2. Conditions for safe storage, including any incompatibilities**

The product should be stored in sealed original containers in a cool and ventilated place. Keep only in original packaging. Avoid temperatures above 30 ° C.

Store away from: oxidising substances

### **7.3. Specific end use(s)**

The identified uses for this product are detailed in Section 1.2.

## SECTION 8: Exposure controls/personal protection

### **8.1. Control parameters**

No data available

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### 8.2. Exposure controls

#### Appropriate engineering controls

Ventilate well.

#### Eye / face protection

Safety glasses with side-shields conforming to EN166

#### Hand protection

Use protective gloves made of: PVC or rubber gloves are recommended. The selected protective gloves have to satisfy the specifications of EU Directive 89/689/EEC and the standard EN 374 derived from it.

#### Other skin protection

Protective clothing as needed.

#### Respiratory protection

In case of insufficient ventilation wear suitable respiratory equipment. Use respiratory equipment with particle filter, type P2.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

#### Physical state

Solid – Dusty

#### Colour

Colourless or white

#### Odour

Odourless.

#### Melting point / freezing point

135 - 152 °C

#### Boiling point or initial boiling point and boiling range

No data available

#### Flammability

The product is not flammable.

#### Lower and upper explosion limit

No data available

#### Flash point

No data available

#### Auto-ignition temperature

345 °C

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### Decomposition temperature

No data available

### pH

1.85

### **Method**

5%

### Kinematic viscosity

No data available

### Solubility

Easily soluble in water

### Partition coefficient n-octanol/water

-1.8 - -0.2

### Vapour pressure

No data available

### Density and/or relative density

1.54 g/cm<sup>3</sup>

### Relative vapour density

No data available

### Explosive properties

Not considered to be explosive.

### Oxidising properties

The product has no oxidizing properties.

### Particle characteristics

No data available

## 9.2. Other information

No other information to add.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Stable under normal conditions.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Not determined.

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### 10.4. Conditions to avoid

Avoid intense heat for prolonged periods of time. Avoid formation and deposition of dust.

### 10.5. Incompatible materials

Avoid contact with strong oxidisers. Strong alkalis.

### 10.6. Hazardous decomposition products

Burning produces carbon monoxide (CO) and carbon dioxide (CO<sub>2</sub>).

## 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.

Product / Substance name CAS / EC no.	Dose descriptor	Value / Dose	Exposure route	Test animals
Citric acid 5949-29-1 / 201-069-1	LD50	5400 mg/kg	Oral	Mouse
Citric acid 5949-29-1 / 201-069-1	LD50	2000 mg/kg	Dermal	Rat

#### Skin corrosion/irritation

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

#### Serious eye damage/irritation

Irritating to eyes.

#### Respiratory or skin sensitisation

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

#### Germ cell mutagenicity

Negative.

#### Carcinogenicity

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

#### Reproductive toxicity

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

#### STOT-single exposure

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

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Product / Substance name CAS / EC no.	Other
Citric acid 5949-29-1 / 201-069-1	May cause respiratory irritation.

### **STOT-repeated exposure**

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

### **Aspiration hazard**

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

### **Toxicity in case of inhalation**

May cause respiratory irritation.

### **Toxicity in case of skin contact**

Powder may irritate skin.

### **Toxicity in case of eye contact**

Irritating to eyes.

### **Toxicity in case of ingestion**

May cause discomfort if swallowed.

## 11.2. Information on other hazards

### **Endocrine disrupting properties**

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57 (f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

## SECTION 12: Ecological information

### 12.1. Toxicity

#### **Toxicity**

The product's components are not classified as environmentally hazardous. This does not rule out that large or often repeated spills can have dangerous effects in the environment.

#### **Acute fish toxicity**

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species
Citric acid 5949-29-1 / 201-069-1	LC50	440-706 mg/l	96h	fish

#### **Acute crustacean toxicity**



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Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species
Citric acid 5949-29-1 / 201-069-1	EC50	1535 mg/l	24h	Daphnia magna

### 12.2. Persistence and degradability

The product is biodegradable.

### 12.3. Bioaccumulative potential

The product does not contain any substances expected to be bioaccumulating.

### 12.4. Mobility in soil

#### Mobility

The product is soluble in water.

### 12.5. 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

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57 (f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### 12.7. Other adverse effects

No data available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Disposal considerations

The product is classified as hazardous waste according to the waste regulation (2020:614) Consult local authorities when handling waste. Prevent discharge to drains.

#### Packaging

Empty the packaging thoroughly. If recycling is not practicable, dispose of in compliance with local regulations.

#### Other

No waste code according to the European Waste Catalogue (EWC) can be assigned to this product as intended use determines the allocation. The waste code is determined in consultation with the regional disposer.

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### SECTION 14: Transport information

#### 14.1. UN number

Not applicable

#### 14.2. UN proper shipping name

Not applicable

#### 14.3. Transport hazard class(es)

Not applicable

#### 14.4. Packing group

Not applicable

#### 14.5. Environmental hazards

The product is not classified as environmentally hazardous.

#### 14.6. Special precautions for user

No special measures are necessary.

#### 14.7. Maritime transport in bulk according to IMO instruments

No special measures are necessary.

### 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 of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, with amendments.

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 concerning the classification, labeling and packaging of substances and mixtures, amending and repealing Directives 67/548 / EEC and 1999/45 / EC and amending Regulation (EC) No. 1907/2006.

##### National regulations

No data available

#### 15.2. Chemical safety assessment

A chemical safety assessment has been carried out.

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### SECTION 16: Other information

#### **Abbreviations**

PBT: Persistent, Bioaccumulative and Toxic.

vPvB: very Persistent and very Bioaccumulative.

DNEL: Derived level without observed effects.

PNEC: Presumed concentration without observed effects.

LD50: Lethal dose, the dose that kills 50% of a population.

LC50: Lethal concentration for 50% of a test population.

EC50: The concentration of a substance that affects 50% of a population over a given period of time.

#### **References to key literature and data sources**

This information is based on safety data from the ingredients.

#### **Phrase meaning**

Eye Irrit. 2 - Eye irritation, hazard category 2

STOT SE 3 - resp. tract irrit. - Specific Target Organ Toxicity — Single exposure, hazard category 3 - respiratory tract irritation

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

#### **Other**

##### **Additional information**

The information provided only describes the products with regard to safety measures and should not be seen as a guarantee or quality specification and is not a contractual legal relationship. The information in the safety data sheets relates only to the specified material and does not apply to material used in combination with any other material or process unless indicated in the text.