

SAFETY DATA SHEET

According to Regulation (EC) No 1907/2006

Marisol GP

Version number: 5

Issued: 2025-02-04

Replaces SDS: 2022-05-03

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

1.1. Product identifier

Trade name

Marisol GP

Article No.

24-4111

CAS number

1310-73-2

EC number

215-185-5

REACH registration number

01-2119457892-27-xxxx

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

Product type

pH regulating agent

Relevant identified uses

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

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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 1A

Serious eye damage, hazard category 1

Hazard statements

H314, H318

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.

Precautionary statements

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

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

P301 + P330 + P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

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 CENTER/doctor.

More information

Contains: Sodiumhydroxide

2.3. Other hazards

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

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SECTION 3: Composition/information on ingredients

3.1. Substances

Chemical name	CAS No. EC No. REACH No. Index No.	Concentration	Classification	H-phrase M factor acute M factor chronic	Note
Sodium hydroxide	1310-73-2 215-185-5 01-2119457892-27 011-002-00-6	99 - 100%	Met. Corr. 1, Skin Corr. 1A, Eye Dam. 1	H290, H314, H318 - -	Eye Irrit. 2; H319: 0,5 % ≤ C < 2 % Skin Corr. 1A; H314: C ≥ 5 % Skin Corr. 1B; H314: 2 % ≤ C < 5 % Skin Irrit. 2; H315: 0,5 % ≤ C < 2 %

Substance additional information

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

Inhalation

Fresh air. Rinse mouth and drink water. If symptoms persist, call a physician. Remove person to fresh air and keep comfortable for breathing.

Skin contact

Rinse the skin immediately with lots of water. Remove contaminated clothing. Consult a physician for specific advice. Burns should be treated by a doctor.

Eye contact

Rinse immediately with water for at least 15 minutes (separate eyelids). Remove any contact lenses. As a long rinsing time is required, the water must be temperate. Transport to hospital. Continue rinsing during transport.

Ingestion

Rinse mouth out with water. If the injured person is fully conscious, give him/her a couple of glasses of milk or water immediately. DO NOT INDUCE VOMITING! Immediately to hospital.

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

Causes severe caustic burns to skin and eyes.

Perforation of stomach/intestine, burns in mouth and throat.

Inhalation

Inhalation of vapors may cause burning in the nose and throat, sneezing, coughing and breathing difficulties. Inhalation of high concentrations of mist entails a risk of lung injury.

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Skin contact

May cause chemical burns with blisters and sores. Even some risk of this with dilute solutions.

Eye contact

Splashes causes pain and burns. Risk of permanent visual impairment.

Ingestion

Ingestion may cause severe burns with pain, vomiting, abdominal pain and possibly severe general effect (shock) and kidney damage. Risk of permanent damage due to scarring of burns in the esophagus or stomach.

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

Foam or powder. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media

Water may be ineffective.

Do not use a direct jet of water.

5.2. Special hazards arising from the substance or mixture

The product is not flammable. In contact with some metals (eg light metals), hydrogen gas can form, which with air can form explosive mixtures. Reacts violently with water.

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.

Measures in case of fire

Immediately isolate the area by dismissing people in the vicinity of the fire.

SECTION 6: Accidental release measures

6.1. 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

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.

6.3. Methods and material for containment and cleaning up

Methods and materials for containment and cleaning up :
Sweep up and shovel into suitable containers for disposal.
Avoid dust formation.
Keep in properly labelled containers.
Keep in suitable, closed containers for disposal.

6.4. 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 dust formation. Do not breathe vapours/dust. Avoid contact with skin and eyes. Wear personal protective equipment.

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 reuse.

7.2. 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)

Identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No data available

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).

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Hand protection

Wear protective gloves Protective gloves complying with EN 374.

The following materials are suitable for protective gloves (Permeation time \geq 8 hours): Natural rubber/Natural latex - NR (0,5 mm) (use non-powdered and allergen free products), Polychloroprene - CR (0,5 mm), Nitrile rubber/Nitrile latex - NBR (0,35 mm), Butyl rubber - Butyl (0,5 mm), Fluoro carbon rubber - FKM (0,4 mm), Polyvinyl chloride - PVC (0,5 mm).

Other skin protection

Long-sleeved clothes.

Respiratory protection

Breathing protection is not normally required.

In case of inadequate ventilation wear respiratory protection. Particle filter P2, colour code white.

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

Powder

Colour

White.

Odour

Odourless.

Melting point / freezing point

318 °C

Boiling point or initial boiling point and boiling range

1388 °C

Flammability

No information available

Lower and upper explosion limit

No information available

Flash point

No data available

Auto-ignition temperature

No information available

Decomposition temperature

No information available

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pH

> 13

Method

(5% solution (25°C))

Kinematic viscosity

No information available

Solubility

Relatively easily soluble.

Partition coefficient n-octanol/water

No information available

Vapour pressure

No information available

Density and/or relative density

2130 kg/m³

Relative vapour density

No information available

Particle characteristics

Not relevant.

9.2. Other information

No information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Potential for exothermic hazard. May be corrosive to metals.

10.2. Chemical stability

Stable under normal conditions and temperatures.

10.3. Possibility of hazardous reactions

Gives off hydrogen by reaction with metals. Exothermic reaction with strong acids. Risk of violent reaction. Reacts violently with water.

10.4. Conditions to avoid

Keep away from direct sunlight. To avoid thermal decomposition, do not overheat. Exposure to moisture. Freezing.

10.5. Incompatible materials

Metals, oxidizing agents, water, acids, aluminium, other light metals and their alloys.

10.6. Hazardous decomposition products

Hydrogen.

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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 burns.

Serious eye damage/irritation

Causes serious eye damage.

Respiratory or skin sensitisation

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

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.

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
Sodium hydroxide 1310-73-2 / 215-185-5	LC50	125 mg/l	96h	Gambusia affinis (Mosquito fish)	(No guidelines have been followed)
Sodium hydroxide 1310-73-2 / 215-185-5	LC50	145 mg/l	24h	Poecilia reticulata	(No guidelines have been followed)

Acute crustacean toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline
Sodium hydroxide 1310-73-2 / 215-185-5	EC50	40,4 mg/l	48h	Ceriodaphnia dubia	(No guidelines have been followed)

12.2. Persistence and degradability

No information available

12.3. Bioaccumulative potential

Bio-accumulation is unlikely.

12.4. Mobility in soil

Mobility

Sodium hydroxide: Movable in the aquatic environment.

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

Contains no substances with endocrine disrupting properties.

12.7. Other adverse effects

Other adverse effects

The product is alkaline and may raise the pH locally, if discharged into water. Available data on raw materials suggests that only large local emissions may pose a risk of poisoning of aquatic organisms.

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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 can be sorted for recycling.

Waste code	Waste description
06 02 04*	sodium and potassium hydroxide

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

1823

14.2. UN proper shipping name

ADR / RID / ADN proper shipping name

SODIUM HYDROXIDE, SOLID

IMDG proper shipping name

SODIUM HYDROXIDE, SOLID

14.3. Transport hazard class(es)

Label

8

ADR / RID Class

8

ADR / RID Classification code

C6

ADR / RID hazard identification number

80

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IMDG Class

8

14.4. Packing group

II

14.5. Environmental hazards

The product is not classified as environmentally hazardous.

IMDG Marine Pollutant

No

14.6. Special precautions for user

Tunnel restriction code: E

IMDG EmS

F-A, S-B

14.7. 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

National regulations

Local laws and regulations should be carefully observed.

15.2. Chemical safety assessment

A chemical safety assessment has been performed for:

Sodium hydroxide

SECTION 16: Other information

Changes to previous revision

1, 3, 8, 9, 11, 12

Abbreviations

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.

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

<http://echa.europa.eu>

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

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Evaluation methods for classification

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

Phrase meaning

Skin Corr. 1A - Skin corrosion, hazard category 1A

Eye Dam. 1 - Serious eye damage, hazard category 1

Met. Corr. 1 - Corrosive to metals, hazard category 1

H290 May be corrosive to metals.

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.