

SAFETY DATA SHEET
According to Regulation (EC) No 1907/2006
Marisol GP

Version number: 4

Issued: 2022-05-03

Replaces SDS: 2021-06-29

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

1.1. Product identifier

Trade name	Marisol GP
Article No.	24-4110
UFI code	WEJ3-70J4-300U-963Q

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
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 1A Serious eye damage, hazard category 1
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Hazard statements	H314, H318
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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.

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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.
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P310 Immediately call a POISON CENTER/doctor
P301 + P330 + P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

More information

Contains: Sodiumhydroxide

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
Sodium hydroxide	1310-73-2 215-185-5 01-2119457892-27 011-002-00-6	30%	Met. Corr. 1, Skin Corr. 1A	H290, H314 - -	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

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.

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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.

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

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

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

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.

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.

6.3. Methods and material for containment and cleaning up

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

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

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

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).

Hand protection

Use 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	No information available.
Odour	Unscented
Melting point / freezing point	No information available
Boiling point or initial boiling point and boiling range	No information available
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
pH	No information available.
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/m ³
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	Potential for exothermic hazard. May be corrosive to metals.
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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	Gives off hydrogen by reaction with metals. Exothermic reaction with strong acids. Risk of violent reaction. Reacts violently with water.
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10.4. Conditions to avoid

Conditions to avoid

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

10.5. Incompatible materials

Incompatible materials

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

10.6. Hazardous decomposition products

Hazardous decomposition products

Hydrogen.

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.

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.

Acute fish toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result
Sodium hydroxide 1310-73-2 / 215-185-5	LC50	35-189 mg/l

12.2. Persistence and degradability

Persistence and degradability

No information available

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12.3. Bioaccumulative potential

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

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 The product is alkaline and may raise the pH locally, if discharged into water. pH 9 is toxic to fish. pH >8.5 has a detrimental effect on algae. Available data on raw materials suggests that only large local emissions may pose a risk of poisoning of aquatic organisms.

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	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

UN number 1823

14.2. UN 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

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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 not classified as environmentally hazardous.

IMDG Marine Pollutant No

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 (EU) No 1272/2008 of the European Parliament and of the Council (CLP).
EUROPEAN PARLIAMENT AND COUNCIL REGULATION (EC) No 648/2004 on detergents.
The International Maritime Dangerous Goods (IMDG) Code, 2020 Edition.
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 A chemical safety assessment has been performed for:
Sodium hydroxide

SECTION 16: Other information

Changes to previous revision 1

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>

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

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Phrase meaning

Met. Corr. 1 - Corrosive to metals, hazard category 1
Skin Corr. 1A - Skin corrosion, hazard category 1A
H290 May be corrosive to metals.
H314 Causes severe skin burns and eye damage.