

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

Version number: 6

Issued: 2022-05-03

Replaces SDS: 2021-05-07

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

1.1. Product identifier

Trade name	Marisol PC
Article No.	24-4055
UFI code	DUJ5-60AQ-S00M-6CRM

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

Relevant identified uses	Acidic cleaner Restricted to professional users.
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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 Corrosive to metals, hazard category 1
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Hazard statements	H290, H314
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2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

Hazard pictograms



Signal word Danger

Hazard statements
H290 May be corrosive to metals.
H314 Causes severe skin burns and eye damage.

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Precautionary statements

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.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P363 Wash contaminated clothing before reuse.

More information

Contains: Phosphoric acid

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
Phosphoric acid	7664-38-2 231-633-2 01-2119485924-24 -	30 - 60%	Met. Corr. 1, Skin Corr. 1B	H290, H314 - -	-

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

Inhalation

If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Give oxygen or artificial respiration if needed. Call a physician immediately.

Skin contact

Rinse the skin immediately with lots of water. Wash skin thoroughly with soap and water or use recognized skin cleanser. Remove contaminated clothing. Call a physician immediately.

Eye contact

Rinse immediately with a gentle jet of water or eye wash for at least 15 minutes. Remove any contact lenses. Keep your eyelids wide open during rinsing so that nothing gets stuck under them. Seek medical attention after initial flushing. Continue rinsing until medical personnel take over.

Ingestion

Rinse mouth 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! Consult a physician.

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.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media Avoid powerful jets of water directly at the fire.

5.2. Special hazards arising from the substance or mixture

Special hazards arising from the substance or mixture If involved in a fire, it may emit noxious and toxic fumes.

5.3. Advice for firefighters

Special protective equipment for fire-fighters 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. Avoid contact with the skin and eyes. Wear suitable protective equipment.

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 Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13). Small quantities may be flushed away with water. Pick up and transfer to properly labelled containers.

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 Handle in accordance with good industrial hygiene and safety practice. Ensure good ventilation. Avoid contact with skin, eyes and clothing.

General hygiene Wash hands before breaks and at the end of workday.

7.2. Conditions for safe storage, including any incompatibilities

Conditions for safe storage, including any incompatibilities Keep container tightly closed. Keep locked-up. Keep in properly labelled containers. Keep in a frost-free place.

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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

National occupational exposure limits

Ingredient	CAS No. EC No.	Exposure limit ppm / mg/m ³	Short-term exposure limit ppm / mg/m ³	Source	Remark	Year
Phosphoric acid	7664-38-2 231-633-2	- 1	- 2	OELs - Occupational Exposure Limits - 1st List	European Union	2000

8.2. Exposure controls

Appropriate engineering controls Eye washes must be available.

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

Hand protection For prolonged or repeated contact use protective gloves.
Protective gloves: vinyl or nitrile. Protective gloves complying with EN 374.

Other skin protection Wear suitable protective clothing.

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

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid
Colour	Colourless
Odour	Strong
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

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Kinematic viscosity No information available

Viscosity, dynamic No information available

Solubility Water-soluble

Partition coefficient n-octanol/water No information available

Vapour pressure No information available

Density and/or relative density 1310 kg/m³

Relative vapour density No information available

Evaporation Rate No information available

Explosive properties No information available

Oxidising properties No information available

9.2. Other information

Other information No information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity May be corrosive to metals.

10.2. Chemical stability

Chemical stability Stable under normal usage and storage conditions.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions No known risks of hazardous reactions.

10.4. Conditions to avoid

Conditions to avoid No specific hazards.

10.5. Incompatible materials

Incompatible materials Hydrogen gas is formed upon contact with metals, that can form explosive mixtures with air.

10.6. Hazardous decomposition products

Hazardous decomposition products No harmful degradation products during normal handling.

SECTION 11: Toxicological information

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

Acute toxicity Ingestion may result in nausea, vomiting and/or diarrhoea.

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Product / Substance name CAS / EC no.	Dose descriptor	Value / Dose	Exposure route	Test animals	Method / Guideline
Phosphoric acid 7664-38-2 / 231-633-2	LD50	2600 mg/kg bw	Oral	Rat	OECD 423

Skin corrosion/irritation Causes severe skin burns.

Serious eye damage/irritation Causes severe eye burns.

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

Other information No information available

SECTION 12: Ecological information

12.1. Toxicity

Acute toxicity The product is not classified as environmentally harmful.

Acute algae toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline
Phosphoric acid 7664-38-2 / 231-633-2	ErC50	> 100 mg/l	72h	Desmodesmus subspicatus	OECD 201

Acute crustacean toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline
Phosphoric acid 7664-38-2 / 231-633-2	EC50	> 100 mg/l	48h	Daphnia magna (Water flea)	OECD 202

12.2. Persistence and degradability

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

12.3. Bioaccumulative potential

Bioaccumulative potential Bio-accumulation is unlikely.

12.4. Mobility in soil

Mobility No information available

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12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment No information available

12.6. Endocrine disrupting properties

Endocrine disrupting properties No information available

12.7. Other adverse effects

Other adverse effects No information available

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. Empty, cleaned packaging must be sorted for recycling.

Packaging Contaminated packaging must be disposed of as product.

Waste code	Description
07 06 01*	aqueous washing liquids and mother liquors
20 01 29*	detergents containing hazardous substances

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 1805

14.2. UN proper shipping name

CORROSIVE LIQUID N.O.S (phosphoric acid solution)

IMDG proper shipping name CORROSIVE LIQUID N.O.S (phosphoric acid)

14.3. Transport hazard class(es)

Label 8

ADR / RID Class 8

ADR / RID Classification code C1

ADR / RID hazard identification number 80

IMDG Class 1-Acids

IATA Class 8

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14.4. Packing group

Packing group III

14.5. Environmental hazards

IMDG Marine Pollutant No

14.6. Special precautions for user

Not applicable

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

Other

Other Tunnel restriction code :(E)

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.

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:
Phosphoric acid

SECTION 16: Other information

Changes to previous revision 1, 2

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.
DNEL: Derived level without observed effects.
PNEC: Presumed concentration without observed effects.

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