

SECTION 1: Identification of the substance/mixture and of the company/undertaking*1.1. Product identifier*

Trade name	Marisol PC
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1.2. Relevant identified uses of the substance or mixture and uses advised against

Use	Acidic cleaner
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1.3. Details of the supplier of the safety data sheet

Manufacturer	Clemondo AB - Marisol
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Street address	Box 13073 250 13 HELSINGBORG SVERIGE
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Telephone	+46 42 25 67 00
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Fax	+46 42 25 67 50
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Email	marisol@clemondo.se
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Web site	www.clemondo.se
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1.4. Emergency telephone number

Emergency phone number	999
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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, Annex VI**

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***GHS labeling of the substance (in accordance with Regulation (EC) No 1272/2008, Annex VI)**

Pictogram	
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Signal word	Danger
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Hazard statements	H290 May be corrosive to metals. H314 Causes severe skin burns and eye damage.
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Precaution statements

P261 Avoid breathing mist and spray.

P280 Wear protective gloves. Choose neoprene or nitrile rubber - resistant to acid-based liquids.

Wear protective clothing and 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.

P308 + P311 IF exposed or concerned: Call a POISON CENTER/doctor/ .

2.3. Other hazards

Not applicable

SECTION 3: Composition/information on ingredients**3.2. Mixtures**

Chemical name	CAS No. EC No. REACH No.	Concentration	Classification	R-phrase H-phrase
phosphoric acid	7664-38-2 231-633-2 -	>30%	- Skin Corr. 1B, Met. Corr. 1	- H290, H314
Aminotris (methylenephosphonic acid)	6419-19-8 229-146-5 01-2119487988-08	<5%	- Met. Corr. 1, Eye Irrit. 2	- H290, H319
C6 alkyl glucoside	54549-24-5 259-217-6 01-2119492545-29	<5%	- Eye Dam. 1	- H318

SECTION 4: First aid measures**4.1. Description of first aid measures****Inhalation**

Fresh air. Rinse nose and mouth with water. By inhalation of high concentrations seek medical advice immediately.

Skin contact

Rinse the skin immediately with lots of water. Remove contaminated clothing. Consult a physician.

Eye contact

Immediately rinse with water for at least 15 minutes (eyelids parted) and consult a physician. Since long rinsing time is required, the water must be lukewarm.

Ingestion

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

Causes severe caustic burns to skin and eyes.

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 Water mist, foam, carbon dioxide, powder.

5.2. Special hazards arising from the substance or mixture

Toxic gases are formed in the event of fire.

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.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear suitable protective equipment

6.2. Environmental precautions

Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

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 incineration.

6.4. Reference to other sections

See Section 1 for contact in case of emergency. 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 Avoid contact with eyes. Provide adequate ventilation.

7.2. Conditions for safe storage, including any incompatibilities

Plastic packaging. Keep in a frost-free place.

7.3. Specific end use(s)

No information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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Replaces SDS: 2017-05-11

Issued: 2017-05-22

National occupational exposure limits										
	<i>Ingredient</i>	<i>CAS no.</i>	<i>EC No.</i>	<i>Exposure limit mg/m3-ppm</i>		<i>Short-term exposure limit mg/m3-ppm</i>		<i>Remark</i>	<i>Source</i>	<i>Year</i>
	phosphoric acid	7664-38-2	231-633-2	1	-	3	-	-	-	-

8.2. Exposure controls

Technical precaution measures	Eye washes must be available.
Eye / face protection	In case of direct contact, wear safety glasses.
Safety gloves	Wear suitable gloves (such as vinyl or nitrile).
Other skin protection	Suitable protective clothing.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance, colour	colourless
Appearance, physical state	Not applicable
Auto-ignition temperature	Not applicable
Decomposition temperature	Not applicable
Density	1310 kg/m3
Evaporation rate	Not applicable
Explosive properties	Not applicable
Flammability (solid, gas)	Not applicable
Flash point	Not applicable
Form	Liquid
Initial boiling point and boiling range	Not applicable
Melting point / freezing point	Not applicable
Odour	strong
Odour treshold	Not applicable
Oxidising properties	Not applicable
Partition coefficient: n-octanol / water	Not applicable
pH concentrate	ca 0
pH in solution	ca 0,7 (1%)
pH value	Not applicable

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Relative density Not applicable

Solubility Water-soluble

Upper / lower flammability or explosive limits Not applicable

Vapour density Not applicable

Vapour pressure Not applicable

Viscosity Not applicable

9.2. Other information

Not applicable

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity No special precautions required.

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 toxicological effects

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

skin corrosion/irritation Causes severe skin burns.

serious eye damage/irritation Causes severe eye burns.

germ cell mutagenicity Not applicable

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Genotoxicity Not applicable

carcinogenicity Not applicable

reproductive toxicity Not applicable

STOT-single exposure Not applicable

STOT-repeated exposure Not applicable

SECTION 12: Ecological information

12.1. Toxicity

Not applicable

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

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment No information available

12.6. 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. Emptied and cleaned packaging can be recycled.

Other

Waste code (EWC) The waste code (EWC) is a recommendation. 20 01 29 - detergents containing dangerous substances 07 06 01 - aqueous washing liquids and mother liquors

SECTION 14: Transport information

14.1. UN number

UN number 1805

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14.2. UN proper shipping name

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
IMDG Marine Pollutant	No
IMDG EmS	F-A, S-B
IATA Class	8

14.4. Packing group

Packing group	III
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14.5. Environmental hazards

Not applicable

14.6. Special precautions for user

Not applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

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	Safety Data Sheet according to regulation (EC) No 1907/2006.
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15.2. Chemical safety assessment

Chemical safety assessment	No chemical safety assessment has been performed.
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SECTION 16: Other information

Marisol PC

Phrase meaning

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

Eye Irrit. 2 - Eye irritation, hazard category 2

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.

H318 - Causes serious eye damage.

H319 - Causes serious eye irritation.