

Safety Data Sheet

PM-172 MINI POOL & SPA CLEANER



Safety Data Sheet dated 25/10/2022, version 2

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

- 1.1. Product identifier
Trade name: PM-172 MINI POOL & SPA CLEANER
- 1.2. Relevant identified uses of the substance or mixture and uses advised against
Recommended use:
Water treatment chemicals.
Washing and cleaning products.
Uses advised against:
No uses advised against.
- 1.3. Details of the supplier of the safety data sheet
Company:
BONET ESPECIALITATS HIDROQUÍMIQUES, S.L.U.
C/Holanda, 41. P.I. Pla de Llerona
Les Franqueses del Vallès (08520) (Spain)
Telf: (+34) 900 82 87 81, 93 846 53 36
Fax: (+34) 93 846 78 21
info@behqsl.com
Competent person responsible for the safety data sheet:
regulatory@behqsl.com
- 1.4. Emergency telephone number
In case of poisoning call the Spanish National Institute of Toxicology: +34 91 562 04 20

SECTION 2: Hazards identification

- 2.1. Classification of the substance or mixture
EC regulation criteria 1272/2008 (CLP)
 Danger, Skin Corr. 1A, Causes severe skin burns and eye damage.

 Danger, Eye Dam. 1, Causes serious eye damage.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Hazard pictograms:



Danger

Hazard statements:

H314 Causes severe skin burns and eye damage.

Precautionary statements:

- P102+P405 Keep out of reach of children. Store locked up.
- P280 Wear protective gloves and eye/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 [or 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.
- P501 Dispose of contents/container in accordance with applicable regulations.

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Special Provisions:

PACK1 The packing must be featured by a safety lock for children.

PACK2 The packing must have tactile indications of danger for blind people.

Contains

Glycolic acid

Pine oil: May produce an allergic reaction.

citral: May produce an allergic reaction.

Special provisions according to Annex XVII of REACH and subsequent amendments:

None

2.3. Other hazards

No PBT, vPvB or endocrine disruptor substances present in concentration $\geq 0.1\%$

Other Hazards:

No other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances

N.A.

3.2. Mixtures

Hazardous components within the meaning of the CLP regulation and related classification:

Qty	Name	Ident. Number	Classification
$\geq 5\%$ - $< 7\%$	Glycolic acid	CAS: 79-14-1 EC: 201-180-5 REACH No.: 01-21194855 79-17-XXXX	 3.1/4/Inhal Acute Tox. 4 H332  3.2/1 Skin Corr. 1 H314  3.3/1 Eye Dam. 1 H318
$\geq 3\%$ - $< 5\%$	oxalic acid	Index number: 607-006-00-8 CAS: 144-62-7 EC: 205-634-3	 3.1/4/Oral Acute Tox. 4 H302  3.1/4/Dermal Acute Tox. 4 H312
$\geq 1\%$ - $< 3\%$	2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether	Index number: 603-096-00-8 CAS: 112-34-5 EC: 203-961-6 REACH No.: 01-21194751 04-44-XXXX	 3.3/2 Eye Irrit. 2 H319
$\geq 1\%$ - $< 3\%$	C9-11 Alcohol ethoxylate	CAS: 68439-46-3 EC: 931-514-1	 3.1/4/Oral Acute Tox. 4 H302  3.3/1 Eye Dam. 1 H318

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Remove contaminated clothing immediately and dispose off safely.

OBTAIN IMMEDIATE MEDICAL ATTENTION.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

Protect uninjured eye.

In case of Ingestion:

Do NOT induce vomiting.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

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

None

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- 4.3. Indication of any immediate medical attention and special treatment needed
In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).
Treatment: None

SECTION 5: Firefighting measures

- 5.1. Extinguishing media
Suitable extinguishing media:
Water. Carbon dioxide (CO₂).
Extinguishing media which must not be used for safety reasons:
None in particular.
- 5.2. Special hazards arising from the substance or mixture
Do not inhale explosion and combustion gases.
Burning produces heavy smoke.
- 5.3. Advice for firefighters
Use suitable breathing apparatus .
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

- 6.1. Personal precautions, protective equipment and emergency procedures
Wear personal protection equipment.
Remove persons to safety.
See protective measures under point 7 and 8.
- 6.2. Environmental precautions
Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.
Retain contaminated washing water and dispose it.
In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.
Suitable material for taking up: absorbing material, organic, sand
- 6.3. Methods and material for containment and cleaning up
Wash with plenty of water.
- 6.4. Reference to other sections
See also section 8 and 13

SECTION 7: Handling and storage

- 7.1. Precautions for safe handling
Avoid contact with skin and eyes, inhalation of vapours and mists.
No smoking. Keep away from food, drink and animal feed.
Use appropriate personal protective equipment. Refer to paragraph 8.
Prevent entry of unauthorized persons.
Advice on general occupational hygiene:
Follow legislation on safety and health at work.
- 7.2. Conditions for safe storage, including any incompatibilities
As a general storage conditions, it should be avoided sources of heat, radiation, electricity and food contact. Store according to local legislation.
Store between 5 and 35 °C in a dry and well ventilated place.
None in particular.
Store into the original container. Keep the container properly sealed and labeled.
Keep away from incompatible materials: see paragraph 10.
- 7.3. Specific end use(s)
None in particular

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

oxalic acid - CAS: 144-62-7

EU - TWA(8h): 1 mg/m³

ACGIH - TWA(8h): 1 mg/m³ - STEL: 2 mg/m³ - Notes: URT, eye, and skin irr

2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether - CAS: 112-34-5

EU - TWA(8h): 67.5 mg/m³, 10 ppm - STEL: 101.2 mg/m³, 15 ppm

ACGIH - TWA(8h): 10 ppm - Notes: (IFV) - Hematologic, liver and kidney eff

DNEL Exposure Limit Values

N.A.

PNEC Exposure Limit Values

N.A.

8.2. Exposure controls

Eye protection:

Use close fitting safety goggles, don't use eye lens.

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:

Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

Respiratory protection:

Not needed for normal use.

Thermal Hazards:

None

Environmental exposure controls:

None

Appropriate engineering controls:

None

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes:
Physical state:	Liquid	--	--
Colour:	Light yellow	--	--
Odour:	Citric	--	--
Melting point/freezing point:	Not available	--	--
Boiling point or initial boiling point and boiling range:	Not available	--	--
Flammability:	N.A.	--	--
Lower and upper explosion limit:	Not available	--	--
Flash point:	Not available	--	--
Auto-ignition temperature:	Not available	--	--
Decomposition temperature:	Not available	--	--
pH:	0,3 - 1,8	--	--
Kinematic viscosity:	N.A.	--	--
Solubility in water:	Soluble in water in all proportions	--	--
Solubility in oil:	LIPO	--	--
Partition coefficient n-octanol/water (log value):	Not available	--	--

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Vapour pressure:	Not available	--	--
Density and/or relative density:	1.000 - 1.070	--	--
Relative vapour density:	Not available	--	--
Particle characteristics:			
Particle size:		--	--

9.2. Other information

Properties	Value	Method:	Notes:
Explosive properties:	Not available	--	--
Evaporation rate:	Not available	--	--
Miscibility:	Not available	--	--
Conductivity:	Not available	--	--
Oxidizing properties:	Not available	--	--
Fat Solubility:	Not available	--	--

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
None
- 10.4. Conditions to avoid
Stable under normal conditions.
- 10.5. Incompatible materials
None in particular.
- 10.6. Hazardous decomposition products
None.

SECTION 11: Toxicological information

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

Toxicological information of the product:

N.A.

Toxicological information of the main substances found in the product:

Glycolic acid - CAS: 79-14-1

a) acute toxicity:

Test: LC50 - Route: Inhalation - Species: Rat = 3.6 mg/l - Duration: 4h

Test: LD50 - Route: Oral - Species: Rat = 2040 mg/kg

b) skin corrosion/irritation:

Species: Rabbit Yes

c) serious eye damage/irritation:

Species: Rabbit Yes

C9-11 Alcohol ethoxylate - CAS: 68439-46-3

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 2000 mg/kg

If not differently specified, the information required in Regulation (EU)2020/878 listed below must be considered as N.A.:

- a) acute toxicity;
- b) skin corrosion/irritation;
- c) serious eye damage/irritation;
- d) respiratory or skin sensitisation;
- e) germ cell mutagenicity;
- f) carcinogenicity;
- g) reproductive toxicity;

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- h) STOT-single exposure;
- i) STOT-repeated exposure;
- j) aspiration hazard.
- 11.2. Information on other hazards
 - Endocrine disrupting properties:
 - No endocrine disruptor substances present in concentration $\geq 0.1\%$

SECTION 12: Ecological information

- 12.1. Toxicity
 - Adopt good working practices, so that the product is not released into the environment.
 - Glycolic acid - CAS: 79-14-1
 - a) Aquatic acute toxicity:
 - Endpoint: LC50 - Species: Fish = 164 mg/l - Duration h: 96
 - Endpoint: EC50 - Species: Algae = 44 mg/l - Duration h: 72 - Notes: OECD 201
 - Endpoint: EC50 - Species: Daphnia = 141 mg/l - Duration h: 48 - Notes: OECD 202
 - C9-11 Alcohol ethoxylate - CAS: 68439-46-3
 - a) Aquatic acute toxicity:
 - Endpoint: LC50 - Species: Onchorhynchus mykiss $> 1-10$ mg/l - Duration h: 96 - Notes: OECD 203
 - Endpoint: EC50 - Species: Daphnia $> 1-10$ mg/l - Duration h: 48
 - Endpoint: EC50 - Species: Algae $> 1-10$ mg/l - Duration h: 72
- 12.2. Persistence and degradability
 - Glycolic acid - CAS: 79-14-1
 - Biodegradability: Easily biodegradable
 - C9-11 Alcohol ethoxylate - CAS: 68439-46-3
 - Biodegradability: Easily biodegradable
- 12.3. Bioaccumulative potential
 - Glycolic acid - CAS: 79-14-1
 - Bioaccumulation: Not bioaccumulative
 - 2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether - CAS: 112-34-5
 - Bioaccumulation: Not much bioaccumulative - Test: Kow - Partition coefficient 0.56
 - C9-11 Alcohol ethoxylate - CAS: 68439-46-3
 - Bioaccumulation: Not bioaccumulative
- 12.4. Mobility in soil
 - N.A.
- 12.5. Results of PBT and vPvB assessment
 - vPvB Substances: None - PBT Substances: None
- 12.6. Endocrine disrupting properties
 - No endocrine disruptor substances present in concentration $\geq 0.1\%$
- 12.7. Other adverse effects
 - None

SECTION 13: Disposal considerations

- 13.1. Waste treatment methods
 - Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.
 - Waste should not be disposed of through the sewer.

SECTION 14: Transport information

- 14.1. UN number or ID number

ADR-UN number:	3265
IATA-Un number:	3265
IMDG-Un number:	3265
- 14.2. UN proper shipping name

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ADR-Shipping Name:	Corrosive liquid, acid, organic, n.o.s. (oxalic acid, glycolic acid), 8, III, (E)
IATA-Technical name:	Corrosive liquid, acid, organic, n.o.s. (oxalic acid, glycolic acid), 8, III, (E)
IMDG-Technical name:	Corrosive liquid, acid, organic, n.o.s. (oxalic acid, glycolic acid), 8, III, (E)
14.3. Transport hazard class(es)	
ADR-Class:	8
ADR-Label:	8
IATA-Class:	8
IATA-Label:	8
IMDG-Class:	8
14.4. Packing group	
ADR-Packing Group:	III
IATA-Packing group:	III
IMDG-Packing group:	III
14.5. Environmental hazards	
Marine pollutant:	No
14.6. Special precautions for user	
IMDG-Technical name:	Corrosive liquid, acid, organic, n.o.s. (oxalic acid, glycolic acid), 8, III, (E)
14.7. Maritime transport in bulk according to IMO instruments	
No	

SECTION 15: Regulatory information

- 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
- Dir. 98/24/EC (Risks related to chemical agents at work)
 - Dir. 2000/39/EC (Occupational exposure limit values)
 - Regulation (EC) n. 1907/2006 (REACH)
 - Regulation (EC) n. 1272/2008 (CLP)
 - Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013
 - Regulation (EU) n. 2020/878
 - Regulation (EU) n. 286/2011 (ATP 2 CLP)
 - Regulation (EU) n. 618/2012 (ATP 3 CLP)
 - Regulation (EU) n. 487/2013 (ATP 4 CLP)
 - Regulation (EU) n. 944/2013 (ATP 5 CLP)
 - Regulation (EU) n. 605/2014 (ATP 6 CLP)
 - Regulation (EU) n. 2015/1221 (ATP 7 CLP)
 - Regulation (EU) n. 2016/918 (ATP 8 CLP)
 - Regulation (EU) n. 2016/1179 (ATP 9 CLP)
 - Regulation (EU) n. 2017/776 (ATP 10 CLP)
 - Regulation (EU) n. 2018/669 (ATP 11 CLP)
 - Regulation (EU) n. 2018/1480 (ATP 13 CLP)
 - Regulation (EU) n. 2019/521 (ATP 12 CLP)
 - Regulation (EU) n. 2020/217 (ATP 14 CLP)
 - Regulation (EU) n. 2020/1182 (ATP 15 CLP)
 - Regulation (EU) n. 2021/643 (ATP 16 CLP)
- Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:
- Restrictions related to the product:
 - Restriction 3
 - Restriction 40
 - Restrictions related to the substances contained:
 - Restriction 55
 - Restriction 75

Where applicable, refer to the following regulatory provisions :

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Directive 2012/18/EU (Seveso III)
 Regulation (EC) nr 648/2004 (detergents).
 Dir. 2004/42/EC (VOC directive)
 Provisions related to directive EU 2012/18 (Seveso III):
 Seveso III category according to Annex 1, part 1
 None

15.2. Chemical safety assessment
 No Chemical Safety Assessment has been carried out for the mixture.

SECTION 16: Other information

Full text of phrases referred to in Section 3:

H332 Harmful if inhaled.
 H314 Causes severe skin burns and eye damage.
 H318 Causes serious eye damage.
 H302 Harmful if swallowed.
 H312 Harmful in contact with skin.
 H319 Causes serious eye irritation.

Hazard class and hazard category	Code	Description
Acute Tox. 4	3.1/4/Dermal	Acute toxicity (dermal), Category 4
Acute Tox. 4	3.1/4/Inhal	Acute toxicity (inhalation), Category 4
Acute Tox. 4	3.1/4/Oral	Acute toxicity (oral), Category 4
Skin Corr. 1	3.2/1	Skin corrosion, Category 1
Skin Corr. 1A	3.2/1A	Skin corrosion, Category 1A
Eye Dam. 1	3.3/1	Serious eye damage, Category 1
Eye Irrit. 2	3.3/2	Eye irritation, Category 2

This safety data sheet has been completely updated in compliance to Regulation 2020/878.

Paragraphs modified from the previous revision:

SECTION 3: Composition/information on ingredients
 SECTION 8: Exposure controls/personal protection
 SECTION 11: Toxicological information
 SECTION 12: Ecological information
 SECTION 16: Other information

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Classification according to Regulation (EC) Nr. 1272/2008	Classification procedure
Skin Corr. 1A, H314	Calculation method
Eye Dam. 1, H318	Calculation method

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre,
 Commission of the European Communities
 SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van
 Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date.
 It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

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ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
ATE:	Acute Toxicity Estimate
ATEmix:	Acute toxicity Estimate (Mixtures)
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average
WGK:	German Water Hazard Class.