

pH Minus

1. Identification of the substance/preparation and of the company/undertaking


- 1.1 Product Identifier Sodium Hydrogen Sulfate
 Trade Name: pH Minus
 Other Names: Sodium Bisulphate, Dry Acid
 Reach Registration No: 01-2119552465-36-0003
- 1.2 Relevant Identified uses of the substance or mixture and uses advised against
 Uses: Swimming Pool water treatments
- 1.3 Details of the supplier of the safety data sheet
 Company: Maclin Sourcing Solutions Ltd
 Unit A3 Risby
 Business Park
 Newmarket Road
 Risby
 Suffolk
 IP28 6RD
- Telephone: +44 (0) 1284 810887
- E-mail: info@maclingroup.co.uk
- 1.4 Emergency Telephone
 Tel: +44 (0) 1284 810887 (office hours)

2. Hazard Identification

- 2.1 Classification of the substance or mixture
 Classification according to Regulation (EC) No 1272/2008
 Hazard Class Hazard Statements
 Eye Dam .1 H318
 For the full text of the H statements mentioned in this section see Section 16.

Most important adverse effects
 Human Health: See section 11 for toxicological information
 Physical & Chemical Hazards: See section 9 for physicochemical information
 Potential environmental effects: See section 12 for environmental information

- 2.2 Label elements
 Labelling according to Regulation (EC) No 1272/2008

Hazard symbols: 

Signal word: Danger

Hazard statements: H318: Causes serious eye damage

Precautionary statements: P102 Keep out of the reach of children
 P280: Wear protective gloves/protective clothing/eye protection/face protection
 P305+351+338: IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
 P308+310: If exposed or concerned: Immediately call a POISON CENTRE or doctor/physician
 P405 Store locked up
 P501: Dispose of contents / container to an approved waste disposal plant

Hazardous components which must be listed on the label Sodium Hydrogen Sulfate

- 2.3 Other Hazards Results of PBT and vPvB assessment not required (inorganic)

Trade Name: pH Minus

3. Composition/information on ingredients

3.1 Substance

Chemical Name	CAS-No.	EC-No.	Index-No.	%	CLP Classification
Sodium Hydrogen Sulfate	7681-38-1	231-665-7	16-046-00-X	93 - 100%	H318

Full text of H- and EUH-phrases: see section 16.

3.2 Mixtures Not applicable

4. First Aid measures

4.1 Description of first aid measures

General Advice: Take off all contaminated clothing immediately.

If Inhaled: Move to Fresh air. Call a physician immediately

In case of skin contact: Wash off immediately with plenty of soap & water. If irritation persists seek medical advice

In case of eye contact: Rinse immediately with plenty of water, also under eyelids for at least 15 minutes. Remove contact lenses. Call a physician immediately.

If swallowed: Do NOT induce vomiting. Drink plenty of water. Consult a physician.

Additional Information: IF exposed or concerned: Get medical advice/attention
If medical advice is needed, have product container or label at hand

4.2 Most important symptoms and effects, both acute and delayed

Inhalation: May cause irritation of respiratory tract. Inhalation may provoke the following symptoms: Shortness of breath, cough, dry/sore throat.

Skin contact: May be irritating. Skin contact may provoke the following symptoms: Redness, pain, blisters.

Eye contact: Causes serious eye damage. Eye contact may provoke the following symptoms: Redness, pain.

Ingestion: Ingestion may cause irritation to mucous membranes. Ingestion may provoke the following symptoms: Abdominal pain, burning sensation.

4.3 Indication of immediate medical attention and special treatment needed

Treatment No further information available

5. Fire fighting measures

5.1 Extinguishing media:

Suitable media: Use dry chemical, CO₂, water spray or alcohol resistant foam.

Unsuitable media: High volume water jet

5.2 Special hazards arising from the substance or mixture

Fire Hazard: Non-flammable substance

Specific Hazards e: Burning produces noxious and toxic fumes. Sox, NaOx
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
The pressure in sealed containers can increase under the influence of heat.
Vapours may form explosive mixture with air
Vapours are heavier than air and may spread along the floor.

5.3 Advice for fire-fighters

Advice for fire-fighters: In the event of fire, wear self-contained breathing apparatus. In the event of fire, cool tanks with water spray

10. Stability and reactivity

- 10.1 Reactivity
Reactivity See also section 10.5
- 10.2 Chemical stability
Chemical stability Hydroscopic
- 10.3 Possibility of hazardous reactions
Hazardous reactions: Acidic aqueous solution. Gives off hydrogen by reaction with metals.
- 10.4 Conditions to avoid
Conditions to avoid Avoid dust formation, moisture and heat. See also Section 7
- 10.5 Incompatible materials
Materials to avoid Hydrolyses in presence of: Water, acidic aqueous solution. Gives off hydrogen by reaction with metals. See also section 7
- 10.6 Hazardous decomposition products
Haz. decomp. products: Possible decomposition products are: Acidic aqueous solution. Gives off hydrogen by reaction with metals. Vapours may form explosive mixture with air.

11. Toxicological Information

11.1 Information on toxicological effects

Acute toxicity : Not classified (Not classified due to data which are conclusive although insufficient for classification.)

Sodium hydrogensulphate (7681-38-1)			
LD50	oral - rat	2140 mg/kg	sulfuric acid
LC50	inhalation/4h - rat	> 2400 mg/m ³	sodium sulphate

Skin corrosion/irritation	Not classified (Not classified due to data which are conclusive although insufficient for classification.) pH: 1,3
Serious eye damage/irritation	Causes serious eye damage. pH: 1,3
Respiratory or skin sensitisation	Not classified (Not classified due to data which are conclusive although insufficient for classification.)
Germ cell mutagenicity	Not classified (Not classified due to data which are conclusive although insufficient for classification.)
Carcinogenicity	Not classified (Not classified due to data which are conclusive although insufficient for classification.)
Reproductive toxicity	Not classified (Not classified due to data which are conclusive although insufficient for classification.)
Specific target organ toxicity (single exposure)	Not classified (Not classified due to data which are conclusive although insufficient for classification.)
Specific target organ toxicity (repeated exposure)	Not classified (Not classified due to data which are conclusive although insufficient for classification.)
Aspiration hazard	Not classified (Not classified due to data which are conclusive although insufficient for classification.)

Further information

Watery solution: same properties as H₂SO₄. Fine granules, crystals or powder. Fine substance that can cause the irritation of the airways, with coughing and the contraction of the airways. In contact with water the product forms sulphuric acid that can cause burns.

Trade Name: pH Minus

12. Ecological Information

12.1 Toxicity
Etoxicity effects Toxic to aquatc organisms

Sodium hydrogensulphate (7681-38-1)				
LC50	96h	fish	7960	mg l
EC50	48h	daphnia	1766	mg/l
IC50	72h	algae	1900	mg/l

12.2 Persistence and degradability
Persistence and degradability Hydrolysis in water

12.3 Bioaccumulative potential
Bioaccumulative potential Low bioaccumulation potential
Partition coefficient: n-octanol/water -2,2 (KOWWIN)

12.4 Mobility in soil
Mobility in soil Highly mobile in soil

12.5 Results of PBT and PvB assessment
PBT & PVT Results of PBT and vPvB assessment: Not required (inorganic)

12.6 Other adverse effects
Other adverse effects No information available

13. Disposal Considerations

13.1 Waste treatment methods
Product: Disposal together with normal waste is not allowed. Handle with care. Special disposal required according to local regulations. Do not let product enter drains. Contact waste disposal services.
Contaminated packaging: Dispose of in accordance with local regulations
European Waste Catalogue No: Classified as hazardous waste according to European Union regulation. (06 03 03) Waste codes should be assigned by the user based on the application for which the product was used.

14. Transport Information

14.1 Transport class: This product does not require a classification for transport.

15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for this substance or mixture.

15.1.1 EU- Regulations

This Safety Data Sheet is provided in compliance with REACH Regulation (EC) No 1907/2006

15.1 Safety, health and environmental regulations/legislation specific for this substance or mixture.

15.1.1 EU- Regulations

TSCA (US): OK AICS (Australia): OK DSL (Canada): OK ENCS (Japan): OK ECL (Korea): OK PICCS (Philippines): OK Authorisations/Restrictions on use : Not applicable.

This product contains an ingredient according to the candidate list of Annex XIV of the REACH Regulation 1907/2006/EC. : None.

15. Regulatory information

15.1.2 National Regulations

Germany

VwVwS Annex reference : Water hazard class (WGK) 1, low hazard to waters (Classification according to VwVwS, Annex 4)
12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Netherlands

SZW-lijst van kankerverwekkende stoffen : None of the components are listed

SZW-lijst van mutagene stoffen : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen –Vruchtbaarheid :None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen –Ontwikkeling : None of the components are listed

15.2 Chemical Safety Assessment

A chemical safety assessment has been carried out for this substance

16. Other information

Full text of H-statements referred to under sections 2 and 3

H318 Causes serious eye damage

This information is believed to be accurate and represents the best information currently available to us. However, we make no warranty or merchantability, or fitness for any particular use, or any other warranty, express or implied, with respect to this information, and we assume no liability resulting from use of this information. Users should make their own investigations to determine the suitability of the information for their particular needs and uses.

█ Indicates updated section