

## Chlorine Granules

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

#### 1.1 Product Identifier

Trade Name: Chlorine Granules

#### 1.2 Relevant Identified uses of the substance or mixture and uses advised against

Uses: For disinfection of pool and spa water.

#### 1.3 Details of the supplier of the safety data sheet

Company: Complete Pool Controls Ltd  
Unit 2, The Park  
Stoke Orchard  
Bishops Cleeve  
Gloucestershire  
GL52 7RS

Telephone: +44 (0) 8712 229081

Fax: +44 (0) 8712 229083

E-mail: [sales@cpc-chemicals.co.uk](mailto:sales@cpc-chemicals.co.uk)

#### 1.4 Emergency Telephone

Tel: +44 (0) 8712 229081 (office hours) +44 (0) 371 2229084 (outside of 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
Acute Tox. 4 *	H302
Eye Irrit. 2	H319
STOT SE 3	H335
STOT SE 3	H400
Aquatic Acute 1	H410
Aquatic Chronic 1	

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:



GHS07

GHS09

Signal word: Warning

Hazard statements:	H302	Harmful if swallowed.
	H319	Causes serious eye irritation.
	H335	May cause respiratory irritation.
	H410	Very toxic to aquatic life with long lasting effects.
	EUH031	Contact with acid liberates toxic gas
	EUH026	Warning! Do not use together with other products. May release dangerous gases (chlorine).

Trade Name: Chlorine Granules

## 2. Hazard Identification...cont

Precautionary statements: P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children  
P103 Read label before use  
P260 Do not breathe dust  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P402 Store in a dry place.  
P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.  
P405 Store locked up  
P305+P351+P338: IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing  
P273 Avoid release to the environment  
P501 Dispose of contents/container in accordance with legislation

### Hazardous components which must be listed on the label

Sodium Dichloroisocyanurate Dihydrate

### 2.3 Other Hazards

PBT / vPvB: Not applicable

## 3. Composition/information on ingredients

### 3.1 Substances

Chemical nature: Granules  
Chemical Name Sodium Dichloroisocyanurate Dihydrate,

CAS No	EC No	%	H & S
51580-86-0	220-767-7	100%	H302, H319, H335, H400, H410

## 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. Remove contaminated clothing and loosen remaining clothing. Keep at rest until fully recovered. If breathing is laboured and patient cyanotic (blue), ensure airways are clear and have qualified person give oxygen through a facemask. If breathing has stopped apply artificial respiration at once. In event of cardiac arrest, apply external cardiac massage. Seek medical advice. In severe cases pulmonary oedema can be delayed by up to 48 hours.

In case of skin contact: Drench the skin with plenty of water. Remove contaminated clothing and wash before reuse. If large areas of the skin is damaged or if irritation persists seek medical attention

In case of eye contact: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. Get medical attention

If swallowed: Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician immediately.

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

Symptoms & Effects: No further information available.

### 4.3 Indication of immediate medical attention and special treatment needed

Treatment: Treat Symptomatically.

**5. Fire fighting measures**

**5.1 Extinguishing media:**

Suitable media: Water spray or fog (large quantities available)

Unsuitable media: No information available

**5.2 Special hazards arising from the substance or mixture**

Specific Hazards : Oxidising agent. Not combustible, but will support combustion of other materials. Decomposes upon heating liberating chlorine and oxygen. Heating can cause expansion or decomposition leading to violent rupture of containers. If safe to do so, remove containers from path of fire.

**5.3 Advice for fire-fighters**

Protective equipment Fire-fighters should wear full protective clothing and self-contained breathing apparatus (SCBA). Thoroughly decontaminate fire-fighting equipment including all fire fighting wearing apparel after the incident.

Further Information: Collect contaminated fire extinguishing water separately.

**6. Accidental release Measures**

**6.1 Personal precautions, protective equipment and emergency procedures**

Personal Precautions: Use personal protective equipment. Provide adequate ventilation. For personal protection see section 8.

**6.2 Environmental precautions**

Environmental precautions: Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration. If the product contaminates rivers and lakes or drains inform respective authorities. Local authorities should be advised if significant spillages cannot be contained

**6.3 Methods and materials for containment and cleaning up**

Cleaning up Sweep up, avoiding generation of dust, then immediately spread as a thin layer in an uncontaminated, dry open area, to avoid the possibility of hot spots forming. Gradually hose to drain ensuring large dilution. DO NOT store or transport swept up material. DO NOT return spilled material to original container. Do not add small amount of water to material. Where a spill has occurred in a confined space or an unventilated building and the material is damp and evolving chlorine, the rate of chlorine evolution can be reduced by covering the thinly spread solid with soda ash. For large spills notify Emergency Services.

**6.4 Reference to other sections**

For personal protection see section 8

**7. Handling and storage**

**7.1 Precautions for safe handling**

Advice on safe handling: Strong oxidising agent. DO NOT MIX WITH OTHER CHEMICALS. Mix only with water. Never add water to product. Always add product to water. Use clean dry dispensing equipment. Avoid contact with skin and eyes.

Hygiene measures: Keep away from food, drink and animal feeding stuffs. Smoking, eating and drinking should be prohibited in the application area. Wash hands before breaks and at the end of the work day. Take off all contaminated clothing immediately. Provide adequate ventilation.

Trade Name: Chlorine Granules

## 7. Handling and storage

### 7.2 Conditions for safe storage, including any incompatibilities.

Storage	Keep this product in original, sealed container when not in use. Store in a cool, dry, well-ventilated area.
Protection against fire:	Normal measures for preventive fire protection
Further information	Keep away from children
Common storage:	Keep away from food, drink and animal feeding stuffs. Keep away from combustible material

### 7.3 Specific end uses

Specific use(s)	No information is available.
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## 8. Exposure control/personal protection

### 8.1 Control parameters

EU. Indicative Exposure and Directives relating to the protection of risks related to work exposure to chemical, physical and biological agents

Sodium Dichloroisocyanurate Dihydrate,		
State	8 hour TWA	15 min STEL
UK	1.5 mg/m <sup>3</sup>	2.9 mg/m <sup>3</sup>

### 8.2 Exposure controls

**Engineering measures** Fume cupboard required when vapours/aerosol are generated. Refer to protective measures listed in sections 7 and 8.

#### Personal protective equipment

**Respiratory protection** In case of brief exposure or low pollution use respiratory filter device Filter AB2P2. Filter AB2P3. In case of intensive or longer exposure use self-contained respiratory protective device

**Hand protection** Wear protective gloves. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and standard EN 374.

**Eye protection** Wear safety glasses approved to standard EN 166.

**Skin and body protection** Wear appropriate clothing to prevent repeated or prolonged skin contact

**Environmental exposure controls** Dispose of in accordance with all applicable local and national regulations.

## 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Form:	Granules
Colour:	Whitish
Odour:	Characteristic chlorine
pH @ 20°C:	7.0 - 10% (aqueous solution)
Melting Point	Not Applicable
Boiling point/boiling range:	Not Applicable
Water solubility:	260 gm/litre @25 °C
Partition coefficient:n-octanol/water:	No data available
Explosive properties:	Product is not explosive.
Oxidising properties:	No data available

**9.2 Other Information** No further information

**Trade Name: Chlorine Granules**

**10. Stability and reactivity**

**10.1 Reactivity**  
 Reactivity No information available

**10.2 Chemical stability**  
 Chemical stability No information available

**10.3 Possibility of hazardous reactions**  
 Hazardous reactions Gives off hydrogen by reaction with metals. Reacts exothermic with water.

**10.4 Conditions to avoid**  
 Conditions to avoid Damp or slightly wet conditions may slowly liberate hazardous gases. (will gradually degenerate to Nitrogen Trichloride)

**10.5 Incompatible materials**  
 Materials to avoid Avoid contact with water on concentrated material in the container. Avoid contact with easily oxidisable material such as organic compounds, reducing agents, Nitrogen containing

**10.6 Hazardous decomposition products**  
 Haz. Decomp. products: Decomposes above 240°C forming chlorine, nitrogen, trichloride, nitrogen oxides, carbon dioxide, cyanates and carbon monoxides.

**11. Toxicological Information**

**11.1 Information on toxicological effects**  
 Toxicity Values Sodium Dichloroisocyanurate Dihydrate,

Route	Species	Test	Value	Units
Oral	Rat	LD50	>1,400	mg/kg
Oral	Human	LD50	3,570	mg/kg

(lowest lethal dose)

**Ingestion:** Swallowing can result in nausea, vomiting, diarrhoea, abdominal pain, ulceration of the stomach, lachrymation, difficulty in breathing, loss of consciousness, coma and possible death.

**Inhalation:** Inhalation of the dust will result in respiratory irritation. Decomposes when wet to evolve chlorine gas. Inhalation of chlorine will result in severe respiratory irritation. Delayed effects can include shortness of breath, severe headache, pulmonary oedema and pneumonia.

**Skin:** Contact with the skin will result in mild irritation. Repeat or prolonged skin contact may lead to allergic contact dermatitis.

**Eyes:** A severe eye irritant. Contamination of the eyes can result in permanent injury. Corrosive to eyes; contact can cause corneal burns.

**Sensitisation:** No further information available

**Further information** No further information available

**12. Ecological Information**

**12.1 Toxicity**  
**Acute Toxicity**  
 Highly toxic to aquatic life: DO NOT discharge into lakes, ponds or streams. DO NOT discharge into public waters unless in accordance with consent to discharge orders.

Sodium Dichloroisocyanurate Dihydrate,

Species	Time	Test	Value	Units
Fish	96h	LC50	1,000	mg / l
Daphna magna	48h	LC50	1,000	mg / l

**12.2 Persistence and degradability**  
 Persistence and degradability No data available

Trade Name: Chlorine Granules

## 12. Ecological Information

### 12.3 Bioaccumulative potential

Bioaccumulative potential Not expected to bioaccumulate

### 12.4 Mobility in soil

Mobility in soil Soluble in water, predicted to have high mobility in soil.

### 12.5 Results of PBT and PvB assessment

PBT and PvB assessment No data available

### 12.6 Other adverse effects

Remarks: Harmful effects to aquatic organisms due to pH shift  
Neutralization is necessary before waste water is discharged into water treatment plants.

## 13. Disposal Considerations

### 13.1 Waste treatment methods

Product: Disposal together with normal waste is not allowed. Special disposal is required according to local regulations. Do not let product enter drains. Contact waste disposal services.

Contaminated packaging: Empty contaminated packaging thoroughly. They can be re-cycled after thorough and proper cleaning. Packaging that cannot be cleaned is to be disposed of in the same manner as the product

Waste Catalogue No: No waste code according to the European Waste Catalogue can be assigned for this product, as the intended use dictates the assignment. The waste code is established in consultation with the regional waste disposer.

## 14. Transport Information

14.1 UN Number 3077

14.2 UN proper shipping name 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID N.O.S. (SODIUM DICHLOROISOCYANURATE DIHYDRATE)

### 14.3 Transport hazard class(es)

Class	9
Classification Code	M7
Hazard label	90
Transport Category	3

14.4 Packaging Group III

### 14.5 Environmental hazards

Environmentally Hazardous	Yes
Marine Pollutant	Yes

14.6 Special precautions for user Not applicable

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code N/a

Trade Name: Chlorine Granules

## 15. Regulatory information

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

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

### 15.2 Chemical Safety Assessment

Currently we do not have any information from our supplier about this.

## 16. Other information

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

H302	Harmful if swallowed.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
EUH031	Contact with acids liberates toxic gas.
EUH206	Warning! Do not use together with other products. May release dangerous gases (chlorine).

Restricted to professional users. Attention - Avoid exposure- obtain special instructions before use

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.

**Foam Away**

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

- 1.1 Product Identifier** Foam Away
- 1.2 Relevant Identified uses of the substance or mixture and uses advised against**  
Uses: To reduce the build up of foam in spas
- 1.3 Details of the supplier of the safety data sheet**  
Company: Complete Pool Controls Ltd  
Unit 2, The Park  
Stoke Orchard  
Bishops Cleeve  
Gloucestershire  
GL52 7RS
- Telephone: +44 (0) 8712 229081 Fax: +44 (0) 8712 229083  
E-mail: [sales@cpc-chemicals.co.uk](mailto:sales@cpc-chemicals.co.uk)
- 1.4 Emergency Telephone**  
Tel: +44 (0) 8712 229081 (office hours) +44 (0) 371 2229084 (outside of office hours)

**2. Hazard Identification**

- 2.1 Classification of the substance or mixture**  
**Classification according to Regulation (EC) No 1272/2008**  
Not classified as hazardous for supply
- 2.2 Label elements**  
**Labelling according to Regulation (EC) No 1272/2008**  
This product does not need to be labelled in accordance with EC Regulations and Directives
- 2.3 Other Hazards** No information available

**3. Composition/information on ingredients**

- 3.1 Mixture**  
Chemical Name  
Silicone antifoam Emulsion

**4. First Aid measures**

- 4.1 Description of first aid measures**
- General Advice: Immediately remove contaminated clothing
- If inhaled: Move to fresh air. Rinse nose and mouth with water. Consult doctor in case of complaints
- In case of skin contact: Wash off immediately with soap and plenty of water.
- In case of eye contact: Rinse immediately with plenty of water, also under the eyelids for at least 15 minutes. Remove contact lenses. Then consult a doctor.
- If swallowed: Rinse mouth with water and then drink plenty of water. If symptoms persist call a doctor
- 4.2 Most important symptoms and effects, both acute and delayed** No information available
- 4.3 Indication of immediate medical attention and special treatment:** Treat symptomatically



**Trade Name:** Foam Away

## 5. Fire fighting measures

### 5.1 Extinguishing media:

Extinguishing media: Use fire extinguishing methods suitable to surrounding conditions.

### 5.2 Special hazards arising from the substance or mixture

Special hazards: Decomposition products may include carbon oxides

### 5.3 Advice for fire-fighters

Advice for fire-fighters: Wear self contained breathing apparatus (SCBA) and full turn out gear.

## 6. Accidental release Measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions: Wear appropriate clothing.

### 6.2 Environmental precautions

Environmental precautions: Do not allow to enter public sewers and watercourses. Advise authorities if spillage has entered water course or sewer or has contaminated soil or vegetation

### 6.3 Methods and materials for containment and cleaning up

Cleaning up: Stop leak if possible without risk. Absorb vermiculite, dry sand or earth and place into containers. Flush with plenty of water to clean spillage area. Do not contaminate water sources.

### 6.4 Reference to other sections

See Section 1 for emergency contact information  
See Section 8 for information on Personal protective equipment  
See section 13 for waste treatment information

## 7. Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling: Use in a well ventilated area. Prevent formation of aerosols

Hygiene measures: Wash hands before breaks and immediately after handling the product. Keep away from food, drink and animal feed stuffs. When using do not eat and drink.

### 7.2 Conditions for safe storage, including any incompatibilities.

Storage: Keep in a cool, dry, well ventilated place. Keep only in original container  
Protect from frost

### 7.3 Specific end uses

No information available

## 8. Exposure control/personal protection

### 8.1 Control parameters

Contains no substances with occupational exposure limit values

### 8.2 Exposure controls

General Information: Do not subject to unnecessarily high temperature

Respiratory protection: Not required

Hand protection: Wear protective gloves. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and standard EN 374.

Eye protection: Wear safety glasses approved to standard EN 166. Provide eye station

Skin and body protection: Wear apron or other light protective clothing

**Environmental controls**: Dispose of in accordance with all applicable local and national regulations,

Trade Name: Foam Away

## 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Form:	Viscous Emulsion
Colour:	Whitish
Odour:	Mild
pH @ 20°C:	4.5
Boiling point:	100°C
Melting Point	Not applicable
Flash point	Not known
Density @ 20°C:	1000 kg / m <sup>3</sup>
Water solubility:	Emulsifiable
Vapour pressure	Not known
Vapour density	Not known
Specific gravity	Not known

**9.2 Other Information** No further information available

## 10. Stability and reactivity

<b>10.1 Reactivity</b>	No information available
<b>10.2 Chemical stability</b>	No decomposition if stored and applied as directed
<b>10.3 Possibility of hazardous reactions</b>	No information available
<b>10.4 Conditions to avoid</b>	No information available
<b>10.5 Incompatible materials</b>	No information available
<b>10.6 Hazardous decomposition products</b>	Carbon monoxide and carbon dioxide

## 11. Toxicological Information

### 11.1 Information on toxicological effects

#### Primary Irritant effect

If inhaled: Not applicable in supplied form  
On the skin: In cases of severe exposure, irritation may develop  
On the eye: May cause irritation  
If Ingested: The ingestion of significant quantities may cause nausea/vomiting

**Carcinogenic** There is no evidence that this substance has any carcinogenic properties.  
**Mutagenic** There is no evidence that this substance is mutagenic  
**Sensitization:** No sensitizing effects known

**Other relevant toxicity:** Not subject to classification according to the calculation method of the General EU Guidelines for preparations as issued in the latest version.  
When used and handled according to specifications, the product does not have harmful effects to our experience and the information provided to us.

## 12. Ecological Information

<b>12.1 Toxicity</b>	No information available
<b>12.2 Persistence and degradability</b>	No information available
<b>12.3 Bioaccumulative potential</b>	No information available
<b>12.4 Mobility in soil</b>	Readily absorbed into soil
<b>12.5 PBT and PvB assessment</b>	This substance is not identified as a PBT substance
<b>12.6 Other adverse effects</b>	No information available

**Trade Name:** Foam Away

### 13. Disposal Considerations

#### 13.1 Waste treatment methods

- Disposal should be in accordance with local, state or national legislation
- Do not reuse empty containers without commercial cleaning or reconditioning
- Do not discharge into drains or the environment ,dispose to an authorised waste collection point

#### Classification

Waste Codes in accordance with the European Waste catalogue (EWC) are origin-defined. Since this product is used in several industries, no Waste Code can be provided by the supplier. The Waste Code should be determined in arrangement with your waste disposal partner or the responsible authority

### 14. Transport Information

<b>14.1 UN Number</b>	Not applicable
<b>14.2 UN proper shipping name</b>	Not applicable
<b>14.3 Transport hazard class(es)</b>	Not applicable
<b>14.4 Packaging Group</b>	Not applicable
<b>14.5 Environmental hazards</b>	Clean up even minor leaks or spills if possible without unnecessary risk
<b>14.6 Special precautions for user</b>	See Section 7
<b>14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	Not applicable

### 15. Regulatory information

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

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

#### 15.2 Chemical Safety Assessment

No information available

### 16. Other information

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

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.

#### Abbreviations and acronyms:

GHS:	Globally Harmonized System of Classification and Labelling of Chemicals
EINECS	European Inventory of Existing Commercial Chemical Substances.
CAS:	Chemicals Abstracts Service (division of the American Chemical Society)
LC50:	Lethal concentration, 50 percent
LD50:	Lethal dose, 50 percent

#### Revision 5

■ Indicates updated section.

**Foam Away**

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

- 1.1 Product Identifier** Foam Away
- 1.2 Relevant Identified uses of the substance or mixture and uses advised against**  
Uses: To reduce the build up of foam in spas
- 1.3 Details of the supplier of the safety data sheet**  
Company: Complete Pool Controls Ltd  
Unit 2, The Park  
Stoke Orchard  
Bishops Cleeve  
Gloucestershire  
GL52 7RS
- Telephone: +44 (0) 8712 229081 Fax: +44 (0) 8712 229083  
E-mail: [sales@cpc-chemicals.co.uk](mailto:sales@cpc-chemicals.co.uk)
- 1.4 Emergency Telephone**  
Tel: +44 (0) 8712 229081 (office hours) +44 (0) 371 2229084 (outside of office hours)

**2. Hazard Identification**

- 2.1 Classification of the substance or mixture**  
Classification according to Regulation (EC) No 1272/2008  
Not classified as hazardous for supply
- 2.2 Label elements**  
Labelling according to Regulation (EC) No 1272/2008  
This product does not need to be labelled in accordance with EC Regulations and Directives
- 2.3 Other Hazards** No information available

**3. Composition/information on ingredients**

- 3.1 Mixture**  
Chemical Name  
Silicone antifoam Emulsion

**4. First Aid measures**

- 4.1 Description of first aid measures**
- General Advice: Immediately remove contaminated clothing
- If inhaled: Move to fresh air. Rinse nose and mouth with water. Consult doctor in case of complaints
- In case of skin contact: Wash off immediately with soap and plenty of water.
- In case of eye contact: Rinse immediately with plenty of water, also under the eyelids for at least 15 minutes. Remove contact lenses. Then consult a doctor.
- If swallowed: Rinse mouth with water and then drink plenty of water. If symptoms persist call a doctor
- 4.2 Most important symptoms and effects, both acute and delayed** No information available
- 4.3 Indication of immediate medical attention and special treatment:** Treat symptomatically

Trade Name: **Foam Away**

## 5. Fire fighting measures

### 5.1 Extinguishing media:

Extinguishing media: Use fire extinguishing methods suitable to surrounding conditions.

### 5.2 Special hazards arising from the substance or mixture

Special hazards: Decomposition products may include carbon oxides

### 5.3 Advice for fire-fighters

Advice for fire-fighters Wear self contained breathing apparatus (SCBA) and full turn out gear.

## 6. Accidental release Measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions: Wear appropriate clothing.

### 6.2 Environmental precautions

Environmental precautions: Do not allow to enter public sewers and watercourses. Advise authorities if spillage has entered water course or sewer or has contaminated soil or vegetation

### 6.3 Methods and materials for containment and cleaning up

Cleaning up: Stop leak if possible without risk. Absorb vermiculite, dry sand or earth and place into containers. Flush with plenty of water to clean spillage area. Do not contaminate water sources.

### 6.4 Reference to other sections

See Section 1 for emergency contact information  
See Section 8 for information on Personal protective equipment  
See section 13 for waste treatment information

## 7. Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling: Use in a well ventilated area. Prevent formation of aerosols

Hygiene measures: Wash hands before breaks and immediately after handling the product. Keep away from food, drink and animal feed stuffs. When using do not eat and drink.

### 7.2 Conditions for safe storage, including any incompatibilities.

Storage Keep in a cool, dry, well ventilated place. Keep only in original container  
Protect from frost

### 7.3 Specific end uses

No information available

## 8. Exposure control/personal protection

### 8.1 Control parameters

Contains no substances with occupational exposure limit values

### 8.2 Exposure controls

General Information: Do not subject to unnecessarily high temperature

Respiratory protection Not required

Hand protection Wear protective gloves. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and standard EN 374.

Eye protection Wear safety glasses approved to standard EN 166. Provide eye station

Skin and body protection Wear apron or other light protective clothing

Environmental controls Dispose of in accordance with all applicable local and national regulations,

Trade Name: **Foam Away**

## 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Form:	Viscous Emulsion
Colour:	Whitish
Odour:	Mild
pH @ 20°C:	4.5
Boiling point:	100°C
Melting Point	Not applicable
Flash point	Not known
Density @ 20°C:	1000 kg / m <sup>3</sup>
Water solubility:	Emulsifiable
Vapour pressure	Not known
Vapour density	Not known
Specific gravity	Not known

**9.2 Other Information** No further information available

## 10. Stability and reactivity

<b>10.1 Reactivity</b>	No information available
<b>10.2 Chemical stability</b>	No decomposition if stored and applied as directed
<b>10.3 Possibility of hazardous reactions</b>	No information available
<b>10.4 Conditions to avoid</b>	No information available
<b>10.5 Incompatible materials</b>	No information available
<b>10.6 Hazardous decomposition products</b>	Carbon monoxide and carbon dioxide

## 11. Toxicological Information

### 11.1 Information on toxicological effects

#### Primary Irritant effect

If inhaled: Not applicable in supplied form  
On the skin: In cases of severe exposure, irritation may develop  
On the eye: May cause irritation  
If Ingested: The ingestion of significant quantities may cause nausea/vomiting

<b>Carcinogenic</b>	There is no evidence that this substance has any carcinogenic properties.
<b>Mutagenic</b>	There is no evidence that this substance is mutagenic
<b>Sensitization:</b>	No sensitizing effects known

Other relevant toxicity: Not subject to classification according to the calculation method of the General EU Guidelines for preparations as issued in the latest version.  
When used and handled according to specifications, the product does not have harmful effects to our experience and the information provided to us.

## 12. Ecological Information

<b>12.1 Toxicity</b>	No information available
<b>12.2 Persistence and degradability</b>	No information available
<b>12.3 Bioaccumulative potential</b>	No information available
<b>12.4 Mobility in soil</b>	Readily absorbed into soil
<b>12.5 PBT and PvB assessment</b>	This substance is not identified as a PBT substance
<b>12.6 Other adverse effects</b>	No information available

Trade Name: **Foam Away**

### 13. Disposal Considerations

#### 13.1 Waste treatment methods

- Disposal should be in accordance with local, state or national legislation
- Do not reuse empty containers without commercial cleaning or reconditioning
- Do not discharge into drains or the environment, dispose to an authorised waste collection point

#### Classification

Waste Codes in accordance with the European Waste catalogue (EWC) are origin-defined. Since this product is used in several industries, no Waste Code can be provided by the supplier. The Waste Code should be determined in arrangement with your waste disposal partner or the responsible authority

### 14. Transport Information

14.1 UN Number	Not applicable
14.2 UN proper shipping name	Not applicable
14.3 Transport hazard class(es)	Not applicable
14.4 Packaging Group	Not applicable
14.5 Environmental hazards	Clean up even minor leaks or spills if possible without unnecessary risk
14.6 Special precautions for user	See Section 7
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable

### 15. Regulatory information

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

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

#### 15.2 Chemical Safety Assessment

No information available

### 16. Other information

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

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.

#### Abbreviations and acronyms:

GHS:	Globally Harmonized System of Classification and Labelling of Chemicals
EINECS	European Inventory of Existing Commercial Chemical Substances.
CAS:	Chemicals Abstracts Service (division of the American Chemical Society)
LC50:	Lethal concentration, 50 percent
LD50:	Lethal dose, 50 percent

#### Revision 5

█ Indicates updated section.

**pH Plus**

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

**1.1 Product Identifier**

Trade Name: pH Plus  
Other Names: Sodium Carbonate, Soda Ash, Alkali

**1.2 Relevant Identified uses of the substance or mixture and uses advised against**

Uses: The preparation of pH regulation

**1.3 Details of the supplier of the safety data sheet**

Company: Complete Pool Controls Ltd  
Unit 2, The Park  
Stoke Orchard  
Bishops Cleeve  
Gloucestershire  
GL52 7RS

Telephone: +44 (0) 8712 229081 Fax: +44 (0) 8712 229083  
E-mail: [sales@cpc-chemicals.co.uk](mailto:sales@cpc-chemicals.co.uk)

**1.4 Emergency Telephone**

Tel: +44 (0) 8712 229081 (office hours) +44 (0) 1242 300271 ( outside of office hours)

**2. Hazard Identification**

**2.1 Classification of the substance or mixture**

**Classification according to Regulation (EC) No 1272/2008**

Hazard Class	Hazard Category	Target Organs	Hazard Statements
Eye Irrit	Category 2		H319

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.  
Potential environmental effects: See section 12 .

**2.2 Label elements**

**Labelling according to Regulation (EC) No 1272/2008**

Hazard statements: H319 Causes serious eye irritation

Signal word: Warning

Hazard pictograms: GHS07

Hazard symbols:



Precautionary statements:

P102 Keep out of reach of children  
P260 Do not breathe dust  
P280 Wear protective gloves / eye protection.  
P264 Wash hands thoroughly after handling.  
P305+351 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing  
P337+P313: If eye irritation persists: Get medical advice/attention.  
P501 Dispose of contents/container to waste according to local/ national regulation

**Hazardous components which must be listed on the label** sodium carbonate

**2.3 Other Hazards**

No other information is available.



Trade Name: pH Plus

### 3. Composition/information on ingredients

#### 3.1 Substances

Chemical Name	CAS-No.	EC- No	Index No	%	H & S
sodium carbonate	497-19-8	207-838-8	011-005-00-2	92%	H319

### 4. First Aid measures

#### 4.1 Description of first aid measures

General Advice: Take off all contaminated clothing immediately.

If inhaled: Remove casualty to fresh air; consult a doctor if symptoms persist

In case of skin contact: Wash off with plenty of water. Generally the product does not irritate the skin

In case of eye contact: IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing

If swallowed: Clean mouth with water and drink afterwards plenty of water. DO NOT INDUCE VOMITING. Seek immediate medical attention if symptoms persist.

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

Symptoms and effects: No further information available.

#### 4.3 Indication of immediate medical attention and special treatment needed

Treatment Treat Symptomatically.

### 5. Fire fighting measures

#### 5.1 Extinguishing media:

Suitable media: Dry powder, CO2 or water spray

Unsuitable media: High volume water jet

#### 5.2 Special hazards arising from the substance or mixture

Specific Hazards Gives off irritating or toxic fumes (or gases) in a fire. Vapours may ignite. Vapours are heavier than air and may travel considerable distances to a source of ignition and flashback

#### 5.3 Advice for fire-fighters

Protective equipment In the event of fire, wear self-contained breathing apparatus.

Further Information: Collect contaminated fire extinguishing water separately. This MUST not be discharged into drains. Prevent fire extinguishing water from contaminating surface or ground water.

### 6. Accidental release Measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions: Wear protective clothing as per Section 8  
Evacuate the area and keep personnel upwind  
Avoid breathing gas / mist / fumes. Avoid contact with skin and eyes  
Eye wash bottles should be available

#### 6.2 Environmental precautions

Environmental precautions: Do not allow to enter public sewers and watercourses

#### 6.3 Methods and materials for containment and cleaning up

Cleaning up. Place in sealed and labelled appropriate containers. Remove contaminated material to safe location for subsequent disposal.

#### 6.4 Reference to other sections

Reference to other sections See Section 7 for information on safe handling  
See Section 8 for information on personal protection equipment.  
See Section 13 for information on disposal

Trade Name: pH Plus

## 7. Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling: Avoid breathing dust. Avoid contact with eyes. Wash thoroughly with soap and water after handling.

Hygiene measures: Keep away from food, drink and animal feeding stuffs. Smoking, eating and drinking should be prohibited in the application area.

### 7.2 Conditions for safe storage, including any incompatibilities.

Storage : Store in original container

Fire and explosion: No special measures required

Further information : Keep this product in original, closed container when not in use. Store in a cool, dry, well-ventilated area. Keep this product out of the reach of children.

Common storage: Keep away from food, drink and animal feeding stuffs.

### 7.3 Specific end uses

Specific use(s) The preparation of pH regulation

## 8. Exposure control/personal protection

**8.1 Control parameters** Contains no substances with occupational exposure limit values

### 8.2 Exposure controls

**Engineering measures** Refer to protective measures listed in sections 7 and 8.

**General Information:** Use in a well ventilated area

#### Personal protective equipment

**Respiratory protection** In case of inadequate ventilation wear respiratory protection

**Hand protection** Wear protective gloves. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and standard EN 374.

**Eye protection** Wear safety glasses approved to standard EN 166.

**Skin and body protection** Wear appropriate clothing to prevent repeated or prolonged skin contact

#### Environmental exposure controls

**Environmental** Dispose of in accordance with all applicable local and national regulations.

## 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Form: Crystalline powder

Colour: White

Odour: Odourless

pH @ 20°C: 11.5

Melting Point 854°C

Boiling point/boiling range: > 999°C

Flash point: Not applicable

Relative vapour density: 2.533 g/cm<sup>3</sup>

Water solubility: 212 g/l

Partition coefficient:n-octanol/water: Not known

Explosive properties: Product is not explosive.

**9.2 Other Information** No further information available

Trade Name: pH Plus

## 10. Stability and reactivity

### 10.1 Reactivity

Reactivity No information available

### 10.2 Chemical stability

Chemical stability No decomposition if stored normally

### 10.3 Possibility of hazardous reactions

Hazardous reactions: No information available

### 10.4 Conditions to avoid

Conditions to avoid Avoid formation of dust. Keep away from heat and moisture.

### 10.5 Incompatible materials

Materials to avoid Incompatible with acid

### 10.6 Hazardous decomposition products

Haz. decomp. products: Stable under recommended storage conditions.

## 11. Toxicological Information

### 11.1 Information on toxicological effects

#### Toxicity Values

Sodium carbonate				497-19-8
Route	Species	Test	Value	Units
Oral	Rat	LD50	2,800	mg/kg
Dermaml	Rabbit	LD50	>2000	mg/kg

#### Primary Irritant effect

On the skin: Powder may irritate skin

On the eye: Irritant

**Carcinogenic** There is no evidence that this substance has any carcinogenic properties.

**Mutagenic** There is no evidence that this substance is mutagenic

**Sensitization:** No sensitizing effects known

#### Additional toxicological information:

**If ingested** may cause discomfort

**If inhaled** irritating to mucous membranes and respiratory tract

## 12. Ecological Information

### 12.1 Etotoxicity

Sodium carbonate				497-19-8
LC50	96h	fish	100/1000	mg l
EC50		daphnia	265	mg l
EC50		Lepomis macrochirus	300	mg/l

### 12.2 Persistence and degradability

Persistence and degradability No data available

### 12.3 Bioaccumulative potential

Bioaccumulative potential No data available

### 12.4 Mobility in soil

Mobility in soil No data available

### 12.5 Results of PBT and PvB :

PBT and PvB : Not a PBT according to REACH Annex XIII

### 12.6 Other adverse effects

Other adverse effects No data available

**Trade Name:** pH Plus

### 13. Disposal Considerations

#### 13.1 Waste treatment methods

**Product:** Disposal together with normal waste is not allowed. Special disposal is required according to local regulations. Do not let product enter drains. Contact waste disposal services.

**Contaminated packaging:** Empty contaminated packaging thoroughly. They can be re-cycled after thorough and proper cleaning. Packaging that cannot be cleaned is to be disposed of in the same manner as the product

**Euro Waste Catalogue No:** No waste code according to the European Waste Catalogue can be assigned for this product, as the intended use dictates the assignment. The waste code is established in consultation with the regional waste disposer.

### 14. Transport Information

- |  |  |
|--|--|
| <b>14.1 UN Number</b>  | Not applicable   |
| <b>14.2 UN proper shipping name</b>  | Not applicable   |
| <b>14.3 Transport hazard class(es)</b>   | Not applicable   |
| <b>14.4 Packaging Group</b>  | Not applicable   |
| <b>14.5 Environmental hazards</b>  | Clean up even minor leaks or spills if possible without unnecessary risk |
| <b>14.6 Special precautions for user</b>   | See Section 7  |
| <b>14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b> | Not applicable   |

### 15. Regulatory information

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

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

#### 15.2 Chemical Safety Assessment

No further information

### 16. Other information

Full text of H-statements referred to under sections 2 and 3  
H319 Causes serious eye irritation

#### Further information

Restricted to professional users. Attention - Avoid exposure- obtain special instructions before use

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█ Indicates updated section.



**pH Minus**

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

- 1.1 Product Identifier**  
 Trade Name: Sodium Hydrogen Sulfate  
 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: Complete Pool Controls Ltd  
 Unit 2, The Park  
 Stoke Orchard  
 Bishops Cleeve  
 Gloucestershire  
 GL52 7RS  
 Telephone: +44 (0) 8712 229081 Fax: +44 (0) 8712 229083  
 E-mail: [sales@cpc-chemicals.co.uk](mailto:sales@cpc-chemicals.co.uk)
- 1.4 Emergency Telephone**  
 Tel: +44 (0) 8712 229081 (office hours) +44 (0) 1242 300271 (outside of 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

May cause irritation of respiratory tract. Inhalation may provoke the following symptoms:

Inhalation: 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, CO<sub>2</sub>, 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

**6. Accidental release Measures**

**6.1 Personal precautions, protective equipment and emergency procedures**

Personal precautions: Wear protective clothing as per Section 8  
 Evacuate the area and keep personnel upwind  
 Avoid breathing gas / mist / fumes. Avoid contact with skin and eyes  
 Eye wash bottles should be available

**6.2 Environmental precautions**

Environmental precautions Do not allow to enter public sewers and watercourses

**6.3 Methods and materials for containment and cleaning up**

Cleaning up Prevent further leakage or spillage if safe to do so. Sweep up  
 Place in sealed and labelled appropriate containers. Remove contaminated material to safe location for subsequent disposal. Local authorities should be advised if significant spillages cannot be contained

**6.4 Reference to other sections**

Other sections For personal protection see Section 8  
 For disposal considerations see Section 13

**7. Handling and storage**

**7.1 Precautions for safe handling**

Advice on safe handling: Storage and handling must take place in conformity with national laws: GO70STORA025. Avoid contact with skin and eyes. Avoid dust formation. Do not breathe dust. Ensure that eye flushing systems and safety showers are located close to the working place.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice. When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product. Keep away from food, drink and animal feeding stuffs. Wash contaminated clothing before re-use. Keep working clothes separately.

**7.2 Conditions for safe storage, including any incompatibilities.**

Storage areas: Store in dry, cool, well-ventilated area. Keep containers dry and tightly closed to avoid moisture absorption and contamination. Keep container closed and dry. Keep away from open flames, hot surfaces and sources of ignition

**7.3 Specific end uses** No information available

**8. Exposure control/personal protection**

**8.1 Control parameters**

Exposure Limits No information available

PNEC		
Freshwater	11.09	mg/l
Marinewater	1.11	mg/l
Intermittent release	17.66	mg/l
Sediment (Freshwater)	40.2	mg/kg sediment dw
Sediment (Marinewater)	4.02	mg/kg sediment dw
Soil 1.54	1.54	mg/kg soil dw
STP	800	mg/l



**8. Exposure control/personal protection****8.2 Exposure controls****Personal protective equipment**

The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection	Respirator with a full face mask (EN136). Recommended Filter type: ABEK/P2 (EN141). Wear self-contained breathing apparatus when entering area unless atmosphere is proved to be safe (EN138/269 - EN137 - EN139).
Hand protection	Rubber gloves (EN 374): PVC. The selection of specific gloves for a specific application and time of use in a working area, should also take into account other factors on the working space, such as (but not limited to): other chemicals that are possibly used, physical requirements (protection against cutting/drilling, skill, thermal protection), and the instructions/specification of the supplier of gloves.
Eye protection	Tightly fitting safety goggles (EN166)
Skin and body protection	Chemical-resistant overalls.
Thermal hazard protection:	Not required under normal use. Use dedicated equipment.
Engineering measures	Ensure adequate ventilation. Use only in area provided with appropriate exhaust ventilation. Ensure that eyewash stations and safety showers are close to the workstation location. Eye wash bottle with pure water. Organisational measures to prevent /limit releases, dispersion and exposure. See also section 7.

**Environmental exposure controls**

General advice: Do not flush into surface water or sanitary sewer systems. Avoid subsoil penetration.

**9. Physical and chemical properties****9.1 Information on basic physical and chemical properties**

Form:	Crystals, granular
Colour:	White, light yellow
Odour:	none
pH @ 20°C:	1.3
Melting point:	315°C
Boiling point:	Not known
Flash point:	Not applicable
Evaporation rate:	Not applicable
Flammability (solid, gas)	Not applicable
Explosion limits	Not applicable
Vapour pressure	Not applicable
Vapour density	Not applicable
Relative density	1,4 - 1,5 kg/l
Water solubility:	ca 1080 g/l 2 @ 25°C
Solubility in other solvents	Not applicable
Partition coefficient:n-octanol/water:	-2,2 (KOWWIN)
Autoignition temperature	Not applicable
Thermal decomposition:	460°C
Explosive properties:	Not applicable

**9.2 Other Information**

No further information available

Trade Name: pH Minus

## 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 <sup>3</sup>	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 H<sub>2</sub>SO<sub>4</sub>. 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

Etotoxicity effects Toxic to aquatic 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.

Trade Name: pH Minus

## 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

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