

---

## SAFETY DATA SHEET

---

### 1 Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Product Name: **Revablue**  
Datasheet Number: 019 1. 1. 0

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

Pool / spa treatment

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

Name of Supplier: Plastica Ltd  
Address of Supplier: Perimeter House  
Napier Road  
St Leonards-on-Sea  
East Sussex TN38 9NY  
United Kingdom  
Telephone: +44 (0) 1424 857857  
Fax:  
Responsible Person:  
Email: [info@plasticapools.com](mailto:info@plasticapools.com)

#### 1.4 Emergency telephone number

0800 043 0891 - Technical  
0800 043 0892 - Emergency

---

## 2 Hazards identification

### 2.1 Classification of the substance or mixture

- Classification (REGULATION (EC) No 1272/2008) [CLP/GHS]
- Acute Tox. 4, H302
- Eye Irrit. 2, H319
- Aquatic Chronic 1, H410
- Classification (67/548/EEC, 1999/45/EC)
- Xn; R22
- Xi; R36
- N; R50/53
- Additional information: For full text of R-phrases and Hazard- and EU Hazard-statements: see section 16

### 2.2 Label elements



- Signal Word: Warning
- Symbols: GHS07, GHS09

## 2 Hazards identification (....)

### Hazard phrases

- Harmful if swallowed.
- Causes serious eye irritation.
- Very toxic to aquatic life with long lasting effects.

### Precautionary Phrases

- Wash thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Avoid release to the environment.
- Wear protective gloves/protective clothing/eye protection/face protection.
- IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

### 2.3 Other hazards

- Marine pollutant

## 3 Composition/information on ingredients

### 3.1 Mixtures

Chemical Name	Concentration	CAS Number	EC Number	R/H Phrases*	Symbols
Polymerised Quaternary Ammonium chloride (polymer)	50-100%	25988-97-0		H302, H319, H400, H410 R22, R36, R50/53	GHS07, GHS09 Xn, N
Amino Tri (Methylenephosphonic Acid)	10-25%	6419-19-8	229-146-5	H319 R36	GHS07

\*See Section 16

## 4 First aid measures

### 4.1 Description of first aid measures

- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- IF ON SKIN: Wash with plenty of soap and water.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
- Get medical advice/attention.

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

- May cause irritation

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

- Treat symptomatically

---

## 5 Fire-fighting measures

### 5.1 Extinguishing media

- In case of fire: use water, carbon dioxide or dry agent for extinction

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

- Gives off irritating or toxic fumes (or gases) in a fire.
- See Section 10.6

### 5.3 Advice for firefighters

- Wear protective clothing as per section 8

---

## 6 Accidental release measures

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

- Wear protective clothing as per section 8

### 6.2 Environmental Precautions

- Do not allow to enter public sewers and watercourses
- If contamination of drainage systems or water courses is unavoidable, immediately inform appropriate authorities

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

- Absorb spillage in earth or sand
- Remove contaminated material to safe location for subsequent disposal

### 6.4 Reference to other sections

- See Section 7 & 8

---

## 7 Handling and storage

### 7.1 Precautions for safe handling

- Ensure adequate ventilation

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

- Store in a well-ventilated place. Keep cool.
- Store in a dry place.
- Protect from frost

### 7.3 Specific end use(s)

- No information available.

---

## 8 Exposure controls/personal protection

### 8.1 Control parameters

- No information available

### 8.2 Exposure controls

- Engineering controls should be provided to prevent the need for ventilation

#### Occupational exposure controls

- Wear rubber gloves

---

## 8 Exposure controls/personal protection (....)

- When handling this substance, e.g. sampling, wear goggles giving complete eye protection
- Wear apron or other light protective clothing



Goggles



Gloves



Suit

---

## 9 Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

- Odour: Organic odour
- Appearance: blue, Liquid
- pH 3-6
- Boiling point 102 °C to 105 °C
- Vapour pressure - not known
- Vapour density - not known
- Melting point 240 °C to 250 °C
- Completely soluble in water
- Specific gravity 1.05 - 1.15 g/cm<sup>3</sup>
- Flash point - not known
- Partition coefficient : n-Octanol/water - not known
- Evaporation rate - not known
- Viscosity - not applicable

### 9.2 Other information

- No information available

---

## 10 Stability and reactivity

### 10.1 Reactivity

- No information available

### 10.2 Chemical stability

- No decomposition if stored normally.

### 10.3 Possibility of hazardous reactions

- No information available

### 10.4 Conditions to avoid

- Keep away from frost

### 10.5 Incompatible materials

- Incompatible with oxidizing substances
- Incompatible with acid

### 10.6 Hazardous Decomposition Products

- Decomposition products may include amines
- Decomposition products may include nitrogen oxides

---

## 11 Toxicological information

### 11 .1 Information on toxicological effects

- May cause irritation

#### Inhalation

- May cause irritation

#### Contact with skin

- May cause irritation

#### Contact with eyes

- May cause irritation

#### Ingestion

- Harmful if swallowed.

#### Carcinogenicity

- No information available

#### Teratogenicity

- No information available

#### Mutagenicity

- No information available

---

## 12 Ecological information

### 12 .1 Toxicity

- Very toxic to aquatic life with long lasting effects.

### 12 .2 Persistence and degradability

- No information available

### 12 .3 Bioaccumulation Potential

- No information available

### 12 .4 Mobility in soil

- Marine pollutant

### 12 .5 Results of PBT and vPvB assessment

- Not a PBT according to REACH Annex XIII

### 12 .6 Other Adverse Effects

- See Section 12.1

---

## 13 Disposal considerations

### 13 .1 Waste treatment methods

- Disposal should be in accordance with local, state or national legislation

## 13 Disposal considerations (....)

### Classification

- The waste must be identified according to the List of Wastes (2000/532/EC)

## 14 Transport information



Dangerous Substance ENVIRONMENTALLY HAZARDOUS

14.1 UN Number  
3082

14.2 UN Proper Shipping Name  
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(Polymerised Quaternary Ammonium)

14.3 Transport hazard class(es)

14.4 Packing group  
III

14.5 Environmental hazards

- Marine pollutant

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

### Other information

#### Road/Rail (ADR/RID)

Proper Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(Polymerised Quaternary Ammonium)		
ADR UN No.:	3082		
ADR Hazard Class:	9	ADR Packing Group:	III
Tunnel Code:	E		

#### Sea (IMDG)

Proper Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(Polymerised Quaternary Ammonium)		
IMDG UN No.:	3082		
IMDG Hazard Class.:	9	IMDG Pack Group.:	III

#### Air (ICAO/IATA)

Proper Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(Polymerised Quaternary Ammonium)		
ICAO Un No.:	3082		
ICAO Hazard Class.:	9	ICAO Packing Group.:	III

---

## 15 Regulatory information

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

- Refer to current CPL Regulations
- Refer to current EC Directive 82/501/EEC (the Seveso Directive)
- The List of Wastes (England) Regulations 2005 apply in the UK

15.2 Chemical Safety Assessment

---

## 16 Other information

Text of R and S phrase codes used in this safety data sheet:- H302: Harmful if swallowed.; H319: Causes serious eye irritation.; H400: Very toxic to aquatic life.; H410: Very toxic to aquatic life with long lasting effects.; R22: Harmful if swallowed; R36: Irritating to eyes; R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of PLASTICA'S limited knowledge and belief, accurate, and reliable as of the date of authorisation of this safety data sheet. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to be satisfied as to the suitability and completeness of such information for the product as used.