

## SAFETY DATA SHEET

**1. Identification of the substance/preparation and of the company/undertaking****1.1 Product Identifier** Immerse**1.2 Relevant Identified uses of the substance or mixture and uses advised against**

Uses: Disinfection of Swimming Pool Water

Restrictions: At this time we do not have information on use restrictions

**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
Skin Corrosion	Category 1B		H314
Aquatic Toxicity	Category 1		H411

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 &amp; 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: H314 Causes severe skin burns and eye damage  
 H411 Very toxic to aquatic life with long lasting effects

Prevention P260: Do not breathe vapours  
 P273: Avoid release to the environment  
 P280: Wear protective gloves/protective clothing/eye protection/face protection

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

Sodium Hydroxide and Sodium Metasilicate

**2.3 Other Hazards** No other information is available

**Trade Name:** Immerse

### 3. Composition/information on ingredients

#### 3.2 Mixtures

Sodium Hydroxide

CAS No:	EC No:	Index No:	%	CLP Classification
1310-73-2	215-185-5	011-002-00-6	10 - 25%	H314

Sodium meta-Silicate, Pentahydrate

10213-79-3	229-912-9	014-010-00-8	10 - 25%	H290;H314:H335
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sodium carbonate

497-19-8	207-838-8	011-005-00-2	10 - 25%	H319
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sodium dichloroisocyanurate, dihydrate

51580-86-0	220-767-7	613-030-01-7	2.5-10%	H302; H319; H335; H400; H410
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**Contains:** Mixture of listed substances with non hazardous additions.

### 4. First Aid measures

#### 4.1 Description of first aid measures

**General Advice:** Take of all contaminated clothing immediately

**If Inhaled:** In case of accident by inhalation; remove casualty to fresh air and keep at rest. If breathing is irregular or stopped, administer artificial respiration. Call a physician immediately.

**In case of skin contact:** Wash off immediately with plenty of soap & water. If irritation appears 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. Consult an eye specialist immediately. Go to an ophthalmic hospital if possible.

**If swallowed:** Clean mouth with water and drink plenty of water. Never give anything by mouth to an unconscious person. If swallowed, do not induce vomiting - seek medical advice. If a person vomits when lying on his back place him in the recovery position.

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

Symptoms: No further information available

Effects: No further information available

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

Treatment: Treat symptomatically

Effects: No further information available

### 5. Fire fighting measures

#### 5.1 Extinguishing media:

Suitable media: CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray / alcohol resistant foam.

Unsuitable media: Water with full jet

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

Specific Hazards : Nitrogen Oxides (Nox) ; Carbon monoxide (CO) ; Hydrogen chloride ( HCl)

#### 5.3 Advice for fire-fighters

Protective equipment: In the event of fire, wear self-contained breathing apparatus. Wear appropriate body protection (full protective suit).

## 6. Accidental release Measures

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

Personal Precautions: Avoid formation of dust  
Wear protective equipment. Avoid contact with skin and eyes

### 6.2 Environmental precautions

Environmental precautions: In case of seepage into the ground inform responsible authorities  
Do not allow to enter sewers / surface or ground water

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

Cleaning up: Pick up mechanically. Use neutralizing agent. Dispose of contaminated material as waste according to item 13

### 6.4 Reference to other sections

For safe handling see section 7  
For personal protection see section 8  
For disposal information see section 13

## 7. Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling: Thorough dedusting, Prevent formation of dust  
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. Avoid contact with the skin and eyes.

Hygiene measures:

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

Storage areas : No special measures required

Fire and explosion: No special measures required

Further information: No further information available

Common storage: Store away from oxidising agents

Storage Temperature: Cool & Dry

### 7.3 Specific end uses

Specific use(s) No information available

## 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.

#### Component: sodium hydroxide

CAS No: 1310-73-2

Regulatory Basis: UK. EH40 Workplace Exposure Limits (WELS)

Regulatory List: EH40 WEL

Value type: Short Term Exposure Limit (STEL)

Value: 0.02 mg/m<sup>3</sup>

#### Component: sodium dichloroisocyanurate, dihydrate

CAS No: 51580-86-0

Regulatory List: EU ELV

Value: Short Term Exposure (STEL) 0.07 mg/m<sup>3</sup>

Value: Long Term Exposure (LEV) 0.02 mg/m<sup>3</sup>

### 8.2 Exposure controls

#### Engineering measures

Refer to protective measures listed in sections 7 and 8

(continued on Page 4)

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

Respiratory protection

Low exposure: Respiratory filter device

Intensive exposure: Self contained respiratory protective device

Hand protection Use protective gloves

Eye protection Chemical goggles

Skin and body protection Protective clothing

**Environmental exposure controls**

General advice:

Do not flush into surface water or sanitary sewer systems

Avoid subsoil penetration

If the product contaminates rivers and lakes or drains inform respective authorities.

If the product reaches soil inform respective authorities.

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

Form: Solid

Colour: Colourless

Odour: Characteristic

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

pH @ 20°C: No information available

Melting point: Undetermined

Boiling point: 1390 ° C

Flash point: not applicable

Upper explosion limit: not applicable

Lower explosion limit: not applicable

Density @ 20°C: Not determined

Water solubility: Completely soluble

Partition coefficient:n-octanol/water: No information available

Ignition temperature: 250 ° C

Explosive properties: Product does not present an explosion hazard

**9.2 Other Information**

No further information available

**10. Stability and reactivity****10.1 Reactivity**

Reactivity Stable under normal use and storage conditions

**10.2 Chemical stability**

Chemical stability No decomposition if stored and applied as directed

**10.3 Hazardous reactions:**

Hazardous reactions: None reasonably foreseeable

**10.4 Conditions to avoid**

Conditions to avoid High temperature. Poor ventilation. Contamination

**10.5 Materials to avoid**

Materials to avoid Acids

**10.6 Hazardous decomposition products**

Haz. Decomp. Products Chlorine

**11. Toxicological Information****11.1 Information on toxicological effects**

<b>sodium hydroxide</b>			
Value type	Species	Value	
LD50	Rat	2,000	mg/kg
<b>sodium dichloroisocyanurate, dihydrate</b>			
LD50	Rat	1,400	mg/kg

**Primary irritant effect:**

**on the skin:** Strong caustic effect on skin and mucous membranes

**on the eye:** Strong caustic effect

**Sensitization:** No sensitizing effects known.

**Further Information:**

Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of the esophagus and stomach  
Handle in accordance with good industrial hygiene and safety practise.

**12. Ecological Information****12.1 Toxicity**

Toxicity Toxic for fish

**12.2 Persistence and degradability**

Persistence and degradability: No information available

**12.3 Bioaccumulative potential**

Bioaccumulative potential No information available

**12.4 Mobility in soil**

Mobility in soil No information available

**12.5 Results of PBT and PvB**

Remarks: No information available

**12.6 Other adverse effects**

Remarks: Water hazard class 2 (German regulation)(Self-assessment): hazardous for water.  
Danger to drinking water even if small quantities leak into the ground.  
Also poisonous for fish and plankton in water bodies  
Toxic for aquatic organisms

**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** 3262
- 14.2 UN proper shipping name** Corrosive solid, basic, inorganic, n.o.s.(Sodium Hydroxide Solid)
- 14.3 Transport hazard class(es)**
- |                     |      |
|---------------------|------|
| Class               | 8    |
| Classification Code | M6   |
| Hazard label        | 9    |
| Transport Category  | 3    |
| Tunnel              | E    |
| LQ                  | 1 kg |
- 14.4 Packaging Group** II
- 14.5 Environmental hazards** Classified as environmentally hazardous:
- 14.6 Special precautions for user**  
Note: No information available
- 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**  
Note: No information available

**15. Regulatory information**

- 15.1 Safety, health and environmental regulations/legislation specific for this substance or mixture.**  
No information available
- 15.2 Chemical Safety Assessment**  
No information available

**16. Other information**

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

- H314 Causes severe skin burns and eye damage
- H411 Very toxic to aquatic life with longlasting effects

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.

**Revision 4**

Indicates updated section.