

# SAFETY DATA SHEET

HA38

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## 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

**Product name:** HA38

**Use / description of product:** Preparation for the production of Chlorine Dioxide solutions. For use in potable and industrial grade waters.

**Company name:** Howlett Associates Water Treatment Ltd  
Challenge House  
Mitcham Road  
Croydon  
CR0 3AA  
Tel: 020 82398865  
Fax: 020 86836460

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

**Contains:** Acidic activator for stabilised chlorine dioxide.

## 3. HAZARDS IDENTIFICATION

**Main hazards:** Not hazardous when normal industrial health and safety practises are observed.

## 4. FIRST AID MEASURES (SYMPTOMS)

**Skin contact:** There may be mild irritation at the site of contact.

**Eye contact:** There may be irritation and redness.

**Ingestion:** There may be soreness and redness of the mouth and throat.

**Inhalation:** Liquid product, Inhalation unlikely.

## 4. FIRST AID MEASURES (ACTION)

**Skin contact:** Immediately wash with soap and water.

**Eye contact:** Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.

**Ingestion:** If conscious, give 1 pint of water to drink immediately. Transfer to hospital as soon as possible.

**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. Transfer to hospital as soon as possible.

## 5. FIRE-FIGHTING MEASURES

**Extinguishing media:** Use media suitable for the surrounding fire.

**Protection of fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Turn leaking containers leak-side up to prevent the escape of liquid. Mark out the contaminated area with signs and prevent access to unauthorised personnel.

**Environmental precautions:** Contain the spillage using bunding. Do not discharge into drains or rivers.

**Clean-up procedures:** Absorb into dry earth or sand. Wash the spillage site with large amounts of water.

[cont...]

**7. HANDLING AND STORAGE**

**Handling requirements:** Ensure there is sufficient ventilation of the area.

**Storage conditions:** Store in cool, well ventilated area.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Engineering measures:** Ensure there is sufficient ventilation of the area.

**Respiratory protection:** Self-contained breathing apparatus must be available in case of emergency.

**Hand protection:** Protective gloves.

**Eye protection:** Safety goggles.

**Skin protection:** Protective clothing.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**State:** Liquid

**Colour:** Colourless

**Odour:** Odourless

**Oxidising:** Non-oxidising (by EC criteria)

**Solubility in water:** Soluble

**Relative density:** 1.060-1.090

**pH:** 1 - 2

**10. STABILITY AND REACTIVITY**

**Stability:** Stable under normal conditions.

**Materials to avoid:** Bases.

**11. TOXICOLOGICAL INFORMATION****12. ECOLOGICAL INFORMATION**

**Mobility:** Soluble in water.

**Bioaccumulative potential:** No bioaccumulation potential.

**Other adverse effects:** Do not allow concentrated product to enter rivers or water courses.

**13. DISPOSAL CONSIDERATIONS**

**Disposal operations:** Disposal should be carried out by licenced contractors.

**Disposal of packaging:** Containers must be disposed of in a safe way.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

**14. TRANSPORT INFORMATION**

**ADR / RID**

**IMDG / IMO**

**IATA / ICAO**

## 15. REGULATORY INFORMATION

**Hazard symbols:** No significant hazard.

**Risk phrases:** Not hazardous when normal industrial health and safety practises are observed.

**Safety phrases:** S24/25: Avoid contact with skin and eyes.

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36/37/39: Wear suitable protective clothing, gloves and eye / face protection.

**Note:** The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

## 16. ADDITIONAL INFORMATION

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.