

# SAFETY DATA SHEET

HA25

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

**Product name:** HA25

**Use / description of product:** A blend of corrosion inhibitors for multimetal systems. Liquid. Irritant. The regulatory information is dependent upon the concentration limit of the specific substance.

**Company name:** Howlett Associates Water Treatment Ltd

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## 2. COMPOSITION / INFORMATION ON INGREDIENTS

**Ingredients:** SODIUM NITRITE <10%

CAS: 7632-00-0

EINECS: 231-555-9

[O] R8; [T] R25; [N] R50;

- SODIUM NITRATE <10%

CAS: 7631-99-4

EINECS: 231-554-3

[O] R8; [Xn] R22;

**Contains:** Molybdate corrosion inhibitors in neutral solution.

## 3. HAZARDS IDENTIFICATION

**Main hazards:** Harmful if swallowed.

## 4. FIRST AID MEASURES (SYMPTOMS)

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

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

**Ingestion:** Nausea and stomach pain may occur. Contact with stomach acids may produce toxic gas.

**Inhalation:** Liquid product, Inhalation unlikely. Nausea and stomach pain may occur. There may be loss of consciousness.

## 4. FIRST AID MEASURES (ACTION)

**Skin contact:** Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Transfer to hospital if there are burns or symptoms of poisoning.

**Eye contact:** Bathe the eye with running water for 15 minutes. Consult a doctor.

**Ingestion:** Do not induce vomiting. If conscious, give 1 pint of water to drink immediately. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. Transfer to hospital as soon as possible.

**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. If unconscious,

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check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. If conscious, ensure the casualty sits or lies down. If breathing becomes bubbly, have the casualty sit and provide oxygen if available. Transfer to hospital as soon as possible.

## 5. FIRE-FIGHTING MEASURES

**Extinguishing media:** Carbon dioxide.

**Exposure hazards:** In combustion emits toxic fumes.

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

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

**Clean-up procedures:** Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Wash the spillage site with large amounts of water.

## 7. HANDLING AND STORAGE

**Handling requirements:** Ensure there is sufficient ventilation of the area. Avoid direct contact with the substance.

**Storage conditions:** Store in cool, well ventilated area. Keep container tightly closed.

## 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 with elasticated cuffs and closed neck. Boots made of PVC.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**State:** Liquid

**Colour:** Pale brown

**Odour:** Barely perceptible odour

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

**Solubility in water:** Soluble

**Viscosity:** Non-viscous

**Relative density:** 1.090 -1.100

**pH:** 7.5-8.0

## 10. STABILITY AND REACTIVITY

**Stability:** Stable under normal conditions.

**Materials to avoid:** Bases. Acids.

**Haz. decomp. products:** Contact with acids liberates toxic gas.

**11. TOXICOLOGICAL INFORMATION**

- Ingredients:** SODIUM NITRITE  
ORL MUS LD50 175 mg/kg  
ORL RAT LD50 180 mg/kg  
SCU RAT LD50 96600 µg/kg
- SODIUM NITRATE  
IVN MUS LD50 175 mg/kg  
ORL RAT LD50 1267 mg/kg

**Chronic toxicity:** Danger of very serious irreversible effects if swallowed.

**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:** Harmful.



**Risk phrases:** R22: Harmful if swallowed.

**Safety phrases:** S1/2: Keep locked up and out of the reach of children.

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.

S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

**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

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the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

#### **16. ADDITIONAL INFORMATION**

**Risk phrases used in s.2:** R8: Contact with combustible material may cause fire.

R25: Toxic if swallowed.

R50: Very toxic to aquatic organisms.

R22: Harmful if swallowed.

**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.