

**SAFETY DATA SHEET**  
NITRITE HR REAGENT

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

**Product name:** NITRITE HR REAGENT

**Product code:** RP5431

**Use / description of product:** Liquid. Corrosive. Toxic.

**2. COMPOSITION / INFORMATION ON INGREDIENTS**

**Ingredient 1:** DLS NITRITE HR REAGENT >90%

**3. HAZARDS IDENTIFICATION**

**Main hazards:** Toxic by inhalation, in contact with skin and if swallowed. Causes burns.

**4. FIRST AID MEASURES (SYMPTOMS)**

**Skin contact:** Irritation or pain may occur at the site of contact. Severe burns may occur. Absorption through the skin may occur causing symptoms similar to those of ingestion.

**Eye contact:** There may be irritation and redness. There may be severe pain. Corneal burns may occur.

**Ingestion:** There may be difficulty swallowing. Inhalation of fumes from the stomach may cause symptoms similar to direct inhalation. Nausea and stomach pain may occur. There may be vomiting. The breathing may become shallow and rapid. May cause dizziness. There may be loss of consciousness. Convulsions may occur.

**Inhalation:** There may be a feeling of tightness in the chest with shortness of breath. There may be loss of consciousness. Convulsions may occur.

**4. FIRST AID MEASURES (ACTION)**

**Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin. 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. Transfer to hospital for specialist examination.

**Ingestion:** Do not induce vomiting. If conscious, give 1 pint of water to drink immediately. If substance swallowed is corrosive, give 1 cup of water to drink every 10 minutes. 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, check for breathing and apply artificial respiration if necessary. If

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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. Alcohol resistant foam.

**Exposure hazards:** Corrosive. Toxic. 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:** Refer to section 8 of SDS for personal protection details. Mark out the contaminated area with signs and prevent access to unauthorised personnel.

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

**Clean-up procedures:** Absorb into dry earth or sand. Clean-up should be dealt with only by qualified personnel familiar with the specific substance.

**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 used in handling.

**Hand protection:** Protective gloves.

**Eye protection:** Safety goggles. Ensure eye bath is to hand.

**Skin protection:** Protective clothing with elasticated cuffs and closed neck. Ensure safety shower is to hand.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**State:** Liquid

**Colour:** Yellow

**Odour:** Unpleasant

**Viscosity:** Non-viscous

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

**Solubility in water:** Miscible in all proportions

**pH:** 4-5

**10. STABILITY AND REACTIVITY**

**Stability:** Stable under normal conditions.

**Conditions to avoid:** Direct sunlight. Heat.

**Materials to avoid:** Oxidising agents. Strong bases.

**Haz. decomp. products:** In combustion emits toxic fumes.

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

**Other adverse effects:** Toxic to aquatic organisms.

**13. DISPOSAL CONSIDERATIONS**

**Waste disposal:** Disposal should be dealt with only by qualified personnel familiar with the specific substance. Dispose of in a regulated landfill site or other method for hazardous or toxic wastes.

**Disposal of packaging:** Dispose of in a regulated landfill site or other method for hazardous or toxic wastes.

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

**14. TRANSPORT INFORMATION****ADR / RID**

**UN no:** 3289

**ADR Class:** 6.1

**Hazard ID no:** 68

**Labelling:** 6.1+8

**Shipping name:** TOXIC LIQUID, CORROSIVE, INORGANIC, N.O.S.

**IMDG / IMO**

**UN no:** 3289

**Class:** 6.1

**Packing group:** II

**EmS:** 6.1-02

**Marine pollutant:** YES

**Labelling:** 6.1+8

**IATA / ICAO**

**UN no:** 3289

**Class:** 6.1

**Packing group:** II

**Subsidiary risk:** 8

**Packing instructions:** 611

**Quantity:** 30 L

**Labelling:** 6.1+8

**15. REGULATORY INFORMATION**

**Hazard symbols:** Toxic.

Corrosive.

**Risk phrases:** R23/24/25: Toxic by inhalation, in contact with skin and if swallowed.

R34: Causes burns.

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

S23: Do not breathe ...



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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.

S28: After contact with skin, wash immediately with plenty of ...

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

S38: In case of insufficient ventilation, wear suitable respiratory equipment.

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 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.