

**SAFETY DATA SHEET**  
POTASSIUM IODIDE IODATE SOLUTION (N/50)

Page 1

Issued: 15/12/00

Revision No: 1

Danum Laboratory Services  
2 Duncroft Grove  
Rossington  
Doncaster DN11 0UL  
Tel: 01302 864668  
Fax: 01302 860880

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

**Product name:** POTASSIUM IODIDE IODATE SOLUTION (N/50)

**Product code:** NRR281

**Synonyms:** SULPHITE TITRANT CODE NRR097

**Use / description of product:** Liquid. No significant hazard.

**2. COMPOSITION / INFORMATION ON INGREDIENTS**

**Ingredient 1:** POTASSIUM HYDROXIDE <10%

CAS: 1310-58-3

EINECS: 215-181-3

[Xn] R22; [C] R35;

**Ingredient 2:** RAW POTASSIUM IODATE <10%

**Ingredient 3:** RAW POTASSIUM IODIDE <10%

**3. HAZARDS IDENTIFICATION**

**Main hazards:** No significant hazard.

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

**Skin contact:** There may be mild irritation at the site of contact. Progressive ulceration will occur if treatment is not immediate.

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

**Ingestion:** There may be irritation of the throat. There may be vomiting.

**Inhalation:** There may be vomiting.

**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. Transfer to hospital as soon as possible.

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

**5. FIRE-FIGHTING MEASURES**

**Extinguishing media:** Carbon dioxide.

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

[cont...]

**SAFETY DATA SHEET**  
POTASSIUM IODIDE IODATE SOLUTION (N/50)

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions:** Refer to section 8 of SDS for personal protection details. Turn leaking containers leak-side up to prevent the escape of liquid.

**Environmental precautions:** Contain the spillage using bunding.

**Clean-up procedures:** Neutralise with dilute hydrochloric acid testing with litmus paper periodically. Wash down the drain with large amounts of water. Wash the spillage site with large amounts of water.

**7. HANDLING AND STORAGE**

**Handling requirements:** Avoid direct contact with the substance.

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

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Hand protection:** Protective gloves.

**Eye protection:** Safety goggles.

**Skin protection:** Protective clothing with elasticated cuffs and closed neck.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**State:** Liquid

**Colour:** Colourless

**Odour:** Odourless

**Viscosity:** Non-viscous

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

**Evaporation rate:** Slow

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

**pH:** 12

**10. STABILITY AND REACTIVITY**

**Stability:** Stable under normal conditions.

**Conditions to avoid:** Heat.

**Materials to avoid:** Interhalogens and diazonium salts

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

**11. TOXICOLOGICAL INFORMATION**

**Ingredient 1:** POTASSIUM HYDROXIDE  
ORL RAT LD50 273mg/kg

**Ingredient 2:** RAW POTASSIUM IODATE  
IPR MUS LD50 136mg/kg

**12. ECOLOGICAL INFORMATION**

**Mobility:** Soluble in water.

**Persistence and degradability:** Biodegradable.

**Bioaccumulative potential:** No bioaccumulation potential.

**Other adverse effects:** Negligible ecotoxicity.

**SAFETY DATA SHEET**  
POTASSIUM IODIDE IODATE SOLUTION (N/50)

**13. DISPOSAL CONSIDERATIONS**

**Waste disposal:** Neutralise with excess sodium bicarbonate solution. Flush liquors to drain, local regulations permitting, or send to a waste water treatment plant.

**Disposal of packaging** Dispose of as normal industrial waste.

**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:** : none

**IMDG / IMO****IATA / ICAO****15. REGULATORY INFORMATION**

**Hazard symbols:** No significant hazard.

**Safety phrases:** S2: Keep out of the reach of children.

S24/25: Avoid contact with skin and eyes.

**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**

**Risk phrases used in s.2:** R22: Harmful if swallowed.

R35: Causes severe burns.

**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.