

MATERIAL SAFETY DATA SHEET
NCL of Wisconsin, Inc.
P.O. Box 8
Birnamwood, WI 54414
Emergency Telephone No: 800-424-9300 (Chemtrec)

PRODUCT NAME: IODIDE REAGENT
NCL CATALOG NUMBER: I-55
Date of this revision: 09/19/2007

1. CHEMICAL PRODUCT IDENTIFICATION

Trade name: Potassium Iodide, 10% (w/v)
Chemical Formula: Not applicable.
Formula CAS No: Not applicable.
Molecular Weight: Not applicable.

2. COMPOSITION

Component	CAS#	Approx %
Water	7732-18-5	90
Potassium Iodide	7681-11-0	10

3. HAZARD IDENTIFICATION

May be harmful if swallowed May be irritating to skin, eyes, and mucous membranes.
Do not get in eyes, on skin or on clothing. Minimal contact, as with all chemicals, is a good policy to follow. Remove and wash contaminated clothing before re-use.
Routes of entry: Ingestion, inhalation.
Carcinogenicity: This material is not listed (IARC, NTP, OSHA) as a cancer causing agent.

4. FIRST AID MEASURES

Ingestion: If swallowed, give large quantities of water to dilute. DO NOT induce vomiting unless directed to do so by medical personnel Call a physician.
Inhalation: Remove to fresh air. Give artificial respiration if breathing has stopped.
Eyes: Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation develops.
Skin: Immediately flush skin with plenty of water.

5. FIRE FIGHTING MEASURES:

Flash Point: Not Applicable.
Flammable Limits (LEL): Not Applicable.
Flammable Limits (UEL): Not Applicable.
Fire: Wear self-contained breathing apparatus and protective clothing.
Fire Extinguishing Media: Use any suitable means for surrounding materials.
Explosion Hazards: Thermal decomposition yields highly toxic fumes.

6. ACCIDENTAL RELEASE MEASURES

Evacuate area of non-essential personnel. Eliminate ignition sources.
Scoop up material and transfer to a container and send to a RCRA-approved waste facility.
Ensure compliance with Federal, State, and local regulations.

7. HANDLING AND STORAGE

Keep in a tightly closed container, stored in a cool, dry, ventilated area. Avoid breathing vapors. Avoid contact with eyes and skin.

8. EXPOSURE CONTROLS

Airborne Exposure Limits: None established.
Ventilation System: Material should be handled or transferred in a fume hood or with equivalent ventilation. Alternatively, a supplied air full facepiece respirator or airtight hood may be worn.
Skin Protection: Rubber or neoprene gloves and additional protection including impervious boots, apron, or coveralls, as needed in areas of unusual exposure to prevent skin contact.
Eye Protection: Use chemical safety goggles and/or a full face shield where splashing is possible. Contact lenses should not be worn when working with this material.
Maintain eye-wash fountain and quick-drench facilities in work area.

9. PHYSICAL CHEMICAL PROPERTIES

Appearance: Clear, colorless liquid.
Odor: None.
Solubility: Infinitely soluble in water.
Boiling Point: Essentially the same as water.
Melting Point: Essentially the same as water.
Specific Gravity: 1.08
Vapor Density (Air=1): Not Determined.
Vapor Pressure (mm Hg): Not Determined.
Evaporation Rate: Essentially the same as water.

10. STABILITY AND REACTIVITY

Stability: Stable under ordinary conditions of use and storage.
Hazardous Decomposition Products: When heated to decomposition, can emit toxic gases.
Hazardous Polymerization: This substance does not polymerize.
Incompatibilities: Contact with oxidizers, and halogen compounds, such as bromine trifluoride, chlorine trifluoride, and fluorine perchlorate.

11. TOXICOLOGICAL INFORMATION:

No toxicity data for product.
Mutagenic and reproductive effects cited in RTECS.

12. ECOLOGICAL INFORMATION

None found.

13. DISPOSAL CONSIDERATIONS

EPA Waste Number: None.
Ensure compliance with Federal, State, and local regulations.

14. TRANSPORT INFORMATION

DOT Shipping Name: Not Regulated.
DOT Number: None.

15. REGULATORY INFORMATION

The CAS numbers of all components of this solution are listed on the TSCA Inventory.

16. OTHER INFORMATION

NFPA Hazard Ratings:
Health: 1
Flammability: 0
Reactivity: 0
Special Hazards: None known.

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END OF MATERIAL SAFETY DATA SHEET