SECTION 1. IDENTIFICATION

Product Identifier: (4N) 99.99% Potassium Iodide  
Product Code: K-I-04-C  
CAS Number: 7681-11-0  
Relevant identified uses of the substance: Scientific research and development

Supplier details:  
American Elements  
10884 Weyburn Ave.  
Los Angeles, CA 90024  
Tel: +1 310-208-0551  
Fax: +1 310-208-0351  
Emergency telephone number:  
+1 800-424-9300

SECTION 2. HAZARDS IDENTIFICATION

No hazardous product as specified in Directive 67/548/EEC

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT NAME, CAS No., %, CLASS, HEALTH RISK, UN No.  
Potassium Iodide, 7681-11-0, 100%, N.R., N.R., None, -

SECTION 4. FIRST AID MEASURES

GENERAL: Consult a Physician for specific advice  
EYES: Irrigate thoroughly with water, if discomfort persists obtain medical attention.  
SKIN: Wash off thoroughly with soap and water.  
INHALATION: Remove from exposure, rest and keep warm. In severe cases seek medical attention.  
INGESTION: Wash out mouth thoroughly with water. Induce vomiting if conscious. Obtain medical attention.
SECTION 5. FIREFIGHTING MEASURES

FLASH POINT: Not Ignitable. Not Applicable
AUTO IGNITION TEMP: Not Applicable
EXTINGUISHING MEDIA: Not Applicable
UNUSUAL FIRE HAZARDS: May evolve toxic fumes in a fire.

SECTION 6. ACCIDENTAL RELEASE MEASURES

CONTAMINATION CLEANUP: Wear suitable protective clothing & equipment as listed under Exposure / Personal protection. Mix with sand, transfer carefully to container and arrange removal by disposal company. Wash site of spillage thoroughly with water and detergent. For large spillages liquids should be contained with sand or earth and both liquids and solids transferred to salvage containers. Any residues should be treated as for small spillages.

SECTION 7. HANDLING AND STORAGE

USAGE PRECAUTIONS: No special precautions
STORAGE PRECAUTIONS: Keep well closed and protected from moisture and light.

SECTION 8. EXPOSURE CONTROLS/PERSOAL PROTECTION

Protective gloves made of polyvinyl alcohol (PVA) are required. Use of a laboratory coat is suggested. Safety goggles or safety glasses with side shields are required if there is any possibility of chipping or dust creation. Respirators must be worn when the threshold limit is exceeded. Provide adequate general mechanical ventilation, and local exhaust ventilation. When handling quantities of this material, be sure to wear appropriate protective equipment as described. Eye wash should be readily available. Wash thoroughly after handling. Do not take internally. Avoid breathing dust when generated. For persons with sensitive existing medical conditions, medical advice should be sought before employing on tasks involving exposure to this material.
EXPOSURE LIMITS OES, not assigned (Long term, 8 hour TWA)

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE : Clear transparent crystalline pieces
pH IN AQUEOUS SOLUTION: No data available
BOILING POINT (760mm Hg) 1330°C
MELTING POINT: 682°C
FLASH POINT: Not Applicable
FLAMMABILITY: Not Applicable
EXPLOSIVE PROPERTIES: Not Applicable
SPECIFIC GRAVITY: 3.13
Vapor PRESSURE: Not Applicable
SOLUBILITY IN WATER: Very soluble (127.5g/100g water at 0°C)
SECTION 10. STABILITY AND REACTIVITY

STABILITY: Stable under normal conditions of storage or use.
HAZARDOUS DECOMPOSITION: May evolve toxic fumes in fire
MATERIALS TO AVOID: Acids and Oxidisers

SECTION 11. TOXICOLOGICAL INFORMATION

TOXIC DOSE - LD50 2779mg/kg (oral, rat)
CARCINOGENICITY No evidence of carcinogenic properties.
MUTAGENICITY/TERATOGENICITY No evidence of mutagenic effects.
TOXICOLOGICAL FINDINGS No evaluation of toxicological data is available.

SECTION 12. ECOLOGICAL INFORMATION

No environmental hazard is anticipated provided that the material is handled and disposed of with due care and attention.

SECTION 13. DISPOSAL CONSIDERATIONS

DISPOSAL METHODS: Non hazardous and non-regulated solid waste. Contact your local waste disposal authority for advice, or pass to a chemical disposal company.

SECTION 14. TRANSPORT INFORMATION

Not subject to transport regulations

SECTION 15. REGULATORY INFORMATION

CLASSIFICATION: Not classified as dangerous according to EC directives EC-No.:231-659-4
LABEL FOR SUPPLY: None
RISK PHRASES: None
SAFETY PHRASES: None

16. OTHER INFORMATION

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH). The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. American Elements shall not be held liable for any damage resulting from