

FEBRUARY, 1999

MANUFACTURER'S NAME: AJAY NORTH AMERICA, LLC.
ADDRESS: P.O. BOX 127
POWDER SPRINGS, GA 30127-0127
770/943-6202
EMERGENCY PHONE #: CHEMTREC 800-424-9300

SECTION I. PRODUCT IDENTIFICATION

CHEMICAL NAME: Hydriodic Acid, Potassium Salt Mixture with Stearic Acid, Calcium Salt
COMMON NAME: Potassium Iodide, 68%
PRODUCT NAME: Potassium Iodide, 90/10
CAS NUMBER: 7681-11-0 - KI
1592-23-0 - Calcium Stearate
CHEMICAL FORMULA: KI - FW 166.01 - 90%
Calcium Stearate - C36H70CaO4-FW607.00 - 10%
PRODUCT USE: Source of iodine in animal feeds.

SECTION II. HAZARDOUS INGREDIENTS

Chemical Name	Common Name	CAS No.	%	OSHA PEL	ACGIH TLV-TWA
Potassium Iodide	Potassium Iodide	7681-11-0	90	N/A	N/A
Calcium Stearate	Calcium Stearate	1592-23-0	10	N/A	N/A

Iodide salts are eye, skin and mucous membrane irritants and skin sensitizers.

CERCLA RATINGS (SCALE 0-3): Health=2 Fire=0 Reactivity=0 Persistence=0
NFPA RATINGS (SCALE 0-4): Health=2 Fire=0 Reactivity=0

SECTION III. PHYSICAL DATA

Boiling Point, (760mm Hg.) N/E Specific Gravity (Water=1)
Vapor Pressure (mm Hg.) N/A % Non-Volatile 100
Vapor Density (AIR = 1) N/A Evaporation Rate (Ether=1) N/A
Solubility in Water: N/A pH 6 to 9 (5% Sln)
Appearance: White to clear granules Odor: Slight

SECTION IV. FIRE AND EXPLOSION HAZARD DATA

Flash Point-Deg. F N/A
Flammable Limits Lel N/A Uel N/A
Method Used: N/A

Extinguishing Media: Use extinguishing media as appropriate for surrounding fire conditions.

Special Fire Fighting Procedures: No acute hazard; avoid breathing vapors or dust; wear self-contained breathing apparatus.

Unusual Fire and Explosion Hazards: None.

Hazardous Decomposition Products: Fire conditions may liberate fumes of iodine, hydrogen iodide and oxides of potassium and calcium and carbon monoxide.

SECTION V. REACTIVITY DATA

Stability: Stable.

Conditions to Avoid: Protect from moisture and sunlight.

Incompatibility: (Materials to Avoid)
Oxidizers, acids, diazonium salts, metals, bromine and chlorine trifluorides and perchlorates, 2-diisopropyl peroxydicarbonate.

Can Hazardous Polymerization Occur: Not known to occur.

Hazardous Decomposition Products and Conditions:
Oxidization may liberate fumes of iodine, hydrogen iodide and oxides of potassium and calcium and carbon monoxide.

SECTION VI. HEALTH HAZARD DATA

Oral Toxicity: Oral LD50 mouse 1862/mg/kg on dry (100% KI) basis.

Dermal Toxicity: May cause irritation. May cause sensitization in persons previously exposed.

Eye: May cause irritation, pain, reddening.

Inhalation: Inhalation of dust may cause mucus membrane and lung irritation.

Chronic Toxicity: Chronic exposure may cause thyroid adenoma, goiter, iodism, skin rashes, headaches, running nose, weakness, anemic and general depression.

Mutagenesis: (RTECS, 1982) mutation and reproductive effects cited. The use of iodides for asthma in pregnancy has caused fetal death and deformity. Chronic feeding to female animals effects fertility and reproduction.

Effects of Overexposure:

Ingestion: Ingestion of large amounts may cause angioneurotic edema, cutaneous and mucosal hemorrhage, fever or lymph node enlargement.

Skin Contact: May cause irritation to sensitive skin. Other data not available.

Eye Contact: May cause irritation and burning. Other data not available.

Inhalation: Inhalation of the dust may be irritating.

Acute Systemic Effects:

Iodide salts act principally as expectorants/diuretics when ingested or inhaled and may be corrosive to the skin and eyes.

Chronic Systemic Effects:

Chronic exposure may cause thyroid adenoma, goiter, iodism, skin rashes, headaches, running nose, weakness, anemic and general depression.

EMERGENCY AND FIRST AID PROCEDURES

Eye Contact: Wash eyes immediately with large amounts of water, occasionally lifting upper and lower lids until no evidence of chemical remains (15-20 Min.) Get medical attention.

Skin Contact: Remove contaminated clothing and shoes. Wash affected area with mild detergent and large amounts of water until no evidence of chemicals remains. Get medical attention if needed.

Inhalation: Remove from exposure area to fresh air immediately. If breathing has stopped, give artificial respiration. Keep affected persons warm and at rest. Get medical attention.

Ingestion: If victim is conscious, immediately give 2 to 4 glasses of water and induce vomiting by touching fingers to back of throat.

SECTION VII. PRECAUTIONS FOR SAFE HANDLING AND USE

SPILL OR LEAK PROCEDURES

Response to Small Spills: Sweep up and place in suitable (e.g. plastic) container. Wash spill area.

Response to Large Spills: Avoid generating dust. Contain spillage so as to prevent contamination of waters or soils. Sweep up and place in suitable (e.g. plastic, poly lined) drum.

Hazards to be Avoided: Avoid breathing dust or other bodily contact.

Reportable Quantity: N/A

Waste Classification: Non-hazardous

 Disposal Methods: Recycle or dispose in a chemical landfill in accordance with all local, state or federal regulations.

LABELING INFORMATION

 DOT Shipping Name: Potassium Iodide 90%; Calcium Stearate 10%
 DOT Label: Chemical N.O.S.
 UN No.: N/A

SECTION VIII. CONTROL MEASURES

SPECIAL PROTECTION INFORMATION

 Respiratory Protection: High efficiency particulate respirator necessary.

For Hands, Body: Wear appropriate protective gloves and garments to prevent bodily contact.

For Eyes: Wear splash-proof or dust resistant safety goggles to prevent contact with this substance.

Ventilation: Provide local exhaust or general dilution ventilation.

SPECIAL PRECAUTIONS

 Other Precautions: Protect from sunlight or moisture. Store in original container secure from children, pets or livestock.

REGULATORY STATUS

Hazard Categories for SARA
 Section 311/312 Reporting

	Acute ----- X	Chronic ----- X	Fire -----	Pressure -----	Reactive -----		
Products or Components of Product:		CERCLA Sec. 103 RQ lbs.	RCRA Sec. 261.33	SARA EHS Sec. 302 RQ	SARA 313 Chemicals Name List	TPQ	Chemical Category
POTASSIUM IODIDE (7681-11-0)		No	No	No	No	No	No
CALCIUM STEARATE (1592-23-0)		No	No	No	No	No	No

SARA Section 302 EHS RQ:

Reportable Quantity of Extremely Hazardous Substance, listed at 40 CFR 355.

SARA Section 302 EHS TPQ:

Threshold Planning Quantity of Extremely Hazardous Substance. An asterisk (*) following a Threshold Planning Quantity signifies that if the material is a solid and has a particle size equal to or larger than 100 micrometers, the Threshold Planning Quantity = 10,000 LBS.

SARA Section 313 Chemicals:

Toxic Substances subject to annual release reporting requirements listed at 40 CFR 372.65.

CERCLA Section 103:

Comprehensive Environmental Response, Compensation and Liability Act (Superfund). Releases to air, land or water of these hazardous substances which exceed the Reportable Quantity (RQ) must be reported to the National Response Center, (800-424-8802); Listed at 40 CFR 302.4.

RCRA:

Resource Conservation and Reclamation Act. Commercial chemical product wastes designated as acute hazards and toxic under 40 CFR 261.33.

The information included herein is believed to be accurate and represents the best information currently available to us. However, we make no warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine suitability of this information for their particular use.