Safety Data Sheet

For Compliance with OSHA 29 CFR 1910.1200 and ANSI Z400.1-1998

Section 1: Identification

Product Name Potassium Iodide USP Granular
Commercial Name Not available.
Product Use Used in X-ray films, LCD manufacturing, nylon stabilizer, trace mineral in animal feeds.
Restrictions On Use Not available.

Product Code 30-1393

Company
PCCA
9901 South Wilcrest
Houston, TX 77099
Phone: 1-800-331-2498
Fax: 1-800-874-5760

In case of emergency contact:
CHEMTREC (24hr) 1-800-424-9300

Section 2: Hazard(s) Identification

OSHA Haz Com: CFR 1910.1200 Not available.

Signal Word DANGER

Hazard Statement(s) Causes damage to organs (thyroid gland) through prolonged or repeated exposure.

Pictogram(s) or Symbol(s)

Precautionary Statement(s):

Prevention Not available
Response Not available
Storage Not available.
Disposal Not available.

Section 3: Composition/Information on Ingredients

Substance/Mixture Substance
Components Potassium Iodide
% By Weight 100
CAS# 7681-11-0
Molecular Weight 166 g/mole
Chemical Formula KI
Synonym(s) Potide, potassium salt; Iodic acid

Mixtures

Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
Potassium Iodide	7681-11-0	100	Not available.	Potassium Iodide LD50: Not available. LC50: Not available. Lowest Published Lethal Dose: LDL [Mouse] - Route: Oral; Dose: 1862 mg/kg LDL [Rabbit] - Route: Oral; Dose: 916 mg/kg

Section 4: First-Aid Measures

Inhalation If inhaled, remove to fresh air. If not breathing, give artificial Respiration. If breathing is difficult, give oxygen. Give medical attention.

Skin Contact Wash with soap and water. Cover the irritated skin With an emollient. Get medical attention if irritation Occurs. Cold water may be used.

Eye Contact Check for and remove any contact lenses. In case of Contact, immediately Hush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention if irritation occurs.

Ingestion Do not Induce vomiting unless directed to do so by medical Personnel. Never give anything by mouth to unconscious person. If large quantities of this material arc swallowed, call a physician immediately. Loosen tight clothing, such as a collar, tie. belt or waistband.

Symptoms/Effects

Acute Not available.

Delayed Not available.

Immediate Medical Attention

Not available.

Section 5: Fire-Fighting Measures

Suitable Extinguishing Media

Not available.

Unsuitable Extinguishing Media

Not applicable.

Products of Combustion

Some hazardous decomposition products are : Hydrogen Iodide, oxides of Potassium. Iodine.

Firefighters Special Equipment and Precautions

Potassium Iodide + Fluorine Perchlorate will explode on contact.

Section 6: Accidental Release Measures

Small Spill: Use appropriate tools to pul the spilled solid in a convenient waste Disposal container, Finish cleaning by spreading water on the contaminated surface and dispose off according to local and regional authority requirements. Large Spill: Use a shovel o put the material into a convenient waste Disposal container, Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

Section 7: Handling and Storage

Precautions: Keep locked up. Do not breathe dust. Wear suitable protective clothing. If you feel unwell, seek medical attention and show the label when possible. Keep away from incompatibles such as oxidizing agents, reducing agents, metals, acid, moisture. Storage: Moisture sensitive, Light sensitive, Air sensitive keep container tightly closed in a light-resistant containers. Keep container in a cool, well-ventilated area. Do not store above 23OC (73.4°F) Humidity below 65%

Section 8: Exposure Controls/Personal Protection

Exposure Limits Not available.

Engineering Controls Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits, if user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection Personal Protection : Safety glasses. Lab coat. Dust Respirator. Be sure to use an approved /certified respirator or equivalent. Gloves. Personal Protection in case of a Large Spill: Splash goggles. Full suit Dust respirator. Boots, Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient, consult a specialist BEFORE handling this product.

Section 9: Physical and Chemical Properties

Appearance	Solid (Deliquescent Crystals Solid)
Odor	Not available.
Odor Threshold	Not available.

Melting Point	681 " C (1257.8 BF)	**pH**	Not available.
Freezing Point	Not available.	**Vapor Pressure**	Not available
Boiling Point/Range	1330 *C (2426 »F)	**Vapor Density**	Not available
Decomposition temperature	Not available.	**Viscosity**	Not available.
Partition Coefficient: n-octanol/water	Not available.	**Evaporation Rate**	Not available.
Flash Point	Not applicable.	**Autoignition temperature**	Not available.
Flammability	Not available.	**Flammability or Explosive Limits:**	
		Lower	Not available.
		Upper	Not available.

Solubility(ies)	Insoluble in cold water, hot water. Soluble in methanol. Partially soluble in acetone
Other	

Section 10: Stability and Reactivity

Reactivity	Moisture sensitive. Light sensitive. Air sensitive. Air causes decomposition to iodine. Reacts violently with strong oxidizers, bromolrifluoridcs, chlorotrifluorides, fluorine perchlorate, metallic salts. Attacks metals in moist environments.
Chemical Stability	The product is stable
Hazardous Polymerization	Incompatible with water, producing a corrosive. Corrosive in all concentrations to most metals, except stainless steel, titanium and tantalum. Polymerization: Will not occur.
Conditions to Avoid	Light, moisture, incompatible materials. It is stable under ordinary conditions of use and storage. On long exposure to air, it becomes yellow due to release of iodine. Moisture Sensitive. Light Sensitive. Air Sensitive. Air causes decomposition to iodine. Reacts violently with strong oxidizers, bromotrifluorides, chlorotrifluorides, fluorine perchlorate, metallic salts. Attacks metals in moist environments.
Incompatible Materials	Also, incompatible with salts of alkaloids, chloral hydrate, calomel (mercurous chloride), potassium chlorate, tartaric and other acids, oxidants, diazonium salts, charcoal, ozone, strong reducers, alkali metals, metals (brass, aluminum magnesium, zinc, cadmium, copper, tin, nickel, steel), metallic salts, organic materials, light
Hazardous Decomposition Products	Not available.

Section 11: Toxicological Information

RTECS TT2975000

Acute Toxicity
LD50: Not available. LC50: Not available.

Skin Corrosion/Irritation
Slightly hazardous in case of skin May cause skin irritation

Serious Eye Damage/Irritation
May cause eye irritation

Respiratory or Skin Sensitization
May cause respiratory tract irritation

Germ Cell Mutagenicity
Mutagenic for mammalian somatic cells.

Carcinogenicity
Not available.

Reproductive Toxicity
Classified Reproductive system/toxin/female, development toxin [POSSIBLE]

Routes of Entry
Inhalation. Ingestion.

Symptoms Related to Exposure
Causes gastrointestinal tract irritation with nausea vomiting and diarrhea. May affect behavior (somnolence, muscle weaknessJChronic potential healths effects: Can lead to iodism characterized by salivation, nasal discharge, sneezing, conjunctivitis, fever, headache, laryngitis, bronchitis, stomatits, parotitis, and skin rashes. Chronic ingestion may also affect metabolism, and thyroid gland. Further more, chronic ingestion of iodides (in animals) during pregnancy has resulted in fetal deaths, severe goiter and cretinoid appearance of the newborn,

Potential Health Effects
Hazardous in case of ingestion

Target Organ(s) Not available.

Section 12: Ecological Information

Ecotoxicity
Products of Biodegradation: Possibly hazardous short-term degradation products are not likely. However, long-term degradation products may arise. Toxicity of the Products of Biodegradation: The products of degradation are more toxic.

Persistance and Degradability
Not available.

Bioaccumulative Potential
Not available.

Mobility in Soil
Not available.

Other Adverse Effects
Not available.

Section 13: Disposal Considerations

Waste Disposal
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Disposal of Container
Not available.

Other Considerations
Not available.

Section 14: Transport Information

DOT Classification
Not a DOT controlled material (United States). This material is not classified dangerous good according to international transportation regulations (ADR/RID-IMDG-ICAO/IATA).

Section 15: Regulatory Information

Regulations

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires emergency planning based on Threshold Planning Quantities (TPQs) and release reporting based on Reportable Quantities (RQs) in 40 CFR 355 (used for SARA 302, 304, 311 and 312). Components present in this product at a level which could require reporting under the statute are: NONE Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires submission of annual report release of toxic chemicals that appear in 40 CFR 372 (used for SARA 313). This information must be included in all MSDSs that are copied and distributed for this material. Components present in this product at a level which could require reporting under the statute are: NONE;Pensylvania Right-To-Know, Hazardous substance List, Hazardous Substances and Special hazardous Substances on the list must be identified when present in products. Components present in this product at a level which could require reporting under the statute are: NONE Massachusetts Right-To-Know, Substance List (MSL) Hazardous Substances and Extraordinarily Hazardous Substances on the MSL must be identified when present in products. Components present in this product at a level which could require reporting under the statute are: NONE Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) requires notification of the National Response Center of release of quantities of Hazardous Substances equal or greater than the reportable quantities (RQs) in 40 CFR 302.4. Components present in this product at a level which could require reporting under the statute are: NONE;California prop. 65: This product contains the following ingredients for which the State of California has found to cause birth defects which would require a warning under the statute: Potassium Iodide

Other

WHMIS CLASS D-2A: Material causing other toxic (Canada) effects (VERY TOXIC).;DSCL (EEC) R36- Irritating to eyes.;Gloves.;Lab coat.;Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate.;Splash goggles.

Section 16: Other Information

Not available.