



## Material Safety Data Sheet

**Product Name: Potassium Iodide Stabilized**

### Section 1-Product Information

**Common Name** : Potassium Iodide Stabilized

**Molecular Weight** : 166.00

**Application** : Included in animal feeds  
Reagent in analytical chemistry  
Photographic emulsions  
In tyre cord industry  
LCD Production

**Manufacturer** : Pantheon FZE  
JAFZA 17/329,  
PO Box: 17899, Jabel Ali,  
Dubai, UAE

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### Section 2-Composition, Information on Ingredients

**Chemical Name** : Potassium Iodide Stabilized

**Hazard Symbol** : N/A

**CAS No** : **KI** - 7681-11-0  
: **Calcium Stearate** - 1592-23-0

**Percent** : **KI** - 90%  
: **Calcium Stearate** - 10%

**Appearance** : White Crystalline Powder

**R-Phrases** : N/A

### Section 3-Hazards Identification

#### Potential Health Effects

**Eyes** : Mild eye irritation may result.

**Skin** : Mild skin irritation may result in prolonged contact.

**Ingestion** : Ingestion of sufficient quantities will cause nausea and sickness.

**Inhalation** : Irritating to respiratory system.

### Section 4-First Aid Measure

**Eye contact** : Rinse thoroughly with plenty of water.

**Skin contact** : Wash off immediately with plenty of water.

**Ingestion** : Rinse mouth with plenty of water. Consult a physician if necessary.

**Inhalation** : Move to fresh air.



## Section 5-Fire fighting procedure

**Flammability:** Not flammable

**Suitable Extinguishing Media:** Any fire extinguishing agent, including water.

**Hazardous Decomposition products:** Iodine

**Special protective equipment for firefighters:** Wear self-contained breathing apparatus and protective equipment for fire fighters suit.

## Section 6-Accidental Release Measure

**Personal Precautions :** Rubber or plastic gloves.

**Environmental Precautions :** No special environmental precautions required.

**Methods for cleaning up:** Sweep up and shovel into suitable containers for disposal. Rinse affected area with plenty of water.

## Section 7-Handling and Storage

**Storage / Handling :** No special storage conditions required.

**Packaging material suitable:** Polyethylene containers, paper bags, fibre drums.

## Section 8-Exposure control/Personal protection

**National Occupational Exposure Limits:** Not applicable

### Personal Protection equipment

**Respiratory protection :** Dust mask when handling bulk quantities.

**Skin and body protection :** Lightweight protective clothing.

**Hand protection :** Rubber or plastic gloves

**Eye protection :** Safety glasses

## Section 9-Physical Chemical Properties

**Appearance :** White crystalline powder

**Odour :** Odorless

**Solubility :** 144gm in 100gm water @ 25°C

**pH :** 7- 9

**Boling Point :** 1330 °C

**Melting Point :** 686 °C

**Specific Gravity :** 3.123

**% Volatiles by volume @ 21°C (70°F):** 0



## Section 10-Stability and Reactivity

**Stability** : Stable  
**Hazardous Decomposition products:** Iodine.  
**Conditions to avoid** : Heating to decomposition.

## Section 11-Toxicity Information

**Main constituents(s):** Potassium Iodide

### Acute Toxicity

**Oral Inhalation:** Moderately toxic by ingestion. Human teratogenic effects noted. Also experimental reproductive effects reported.

**Skin Irritation:** Low

**Eye Irritation:** Mild eye irritation

**Carcinogen:** Not known or anticipated

## Section 12-Ecological Information

**Persistence and Degradability:** Not biodegradable

**Ecotoxicity effects:** No information available. Eco-toxicity believed to be low (aquatic and terrestrial).

## Section 13-Disposal Considerations

**Methods of disposal:** In accordance with local and national regulations.

## Section 14-Transport Information

**UN-No:** Not applicable

**IMDG/ADR Class:** Not classified as dangerous in transport regulations.

## Section 15-Regulatory Information

### EC Regulations

**EC Classification (67/548/EEC-88/379/EEC-92/32/EEC):** Not applicable

**Label Name** : Potassium Iodide

**R-Phrases(S)** : Not applicable

**S-Phrases(S)** : Not applicable

**Symbols** : Not applicable



## Section 16-Additional Information

**NFPA Ratings:** Health: **1** Flammability: **0** Reactivity: **0**

**Label Hazard Warning:**

CAUTION! MAY CAUSE IRRITATION TO SKIN, EYES, AND RESPIRATORY TRACT.

**Label Precautions:**

Avoid contact with eyes, skin and clothing.

Avoid breathing dust.

Keep container closed.

Use with adequate ventilation.

Wash thoroughly after handling.

**Label First Aid:** In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. Get medical attention if irritation develops or persists. If inhaled, remove to fresh air. Get medical attention for any breathing difficulty.

**Product Use:** Included in animal feed

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