



Material Safety Data Sheet

Product Name: Potassium Iodide

Section 1-Product Information

Formula : KI
Molecular weight : 166.00
CAS No : 7681-11-0
HS Code : 28276010
Synonym's : Potide, Potassium salt

Section 2-Composition, Information on Ingredients

Chemical Name : Potassium Iodide
Hazard Symbol : N/A
CAS No : 7681-11-0
EINECS-NR : 231-659-4
Percent : 99%
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: Laboratory Reagent.



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