

***Breakthrough thinking.
Real-world solutions.***



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IodiTech is dedicated to designing, manufacturing and distributing superior quality products and services that fulfill or surpass all customer expectations and requirements.

In all activities we will concentrate on continuous improvement in product performance, reliability and safety, and in the services we provide to our customers.

– IodiTech Quality Policy

At IodiTech, your success is our business.

Iodides

IodiTech provides high quality potassium and sodium iodide, in both crystalline and solution forms to diverse industrial markets. We also offer EDDI (ethylenediamine dihydriodide) for the agricultural markets.

Chemical Processing

Our iodide products serve as stabilizers, catalysts and tracing agents for nylon and chemical processing and pharmaceutical manufacturing. You will also find our iodides in specific products including airplane tires, engineered polymers, air bags and others.

Feed Additives

We develop unique iodides such as EDDI for use as feed additives. Hi Boot™ is our exceptional micro mineral added to beef, dairy, swine and poultry feed. IodiTech also offers blends of potassium iodide that can be added to animal feeds.

Dietary Iodides

We offer high quality dietary iodides that include products such as West Diamond, which is a special blend found in many everyday products such as table salt.

How Supplied

We supply iodides as free-flowing crystals in handy 25 lb. and 50 lb. packages, bulk boxes, and as solutions in bulk and tote packaging. We also offer custom blends.

*Product
Code*
9004

Potassium Iodide, Free Flowing Technical Grade



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Product Uses

Metal finishing and molding industries, bath and aquarium salts, oil fields for wells, heavy industrial use such as battery manufacturing, cloud seeding operations and any application not requiring strict limits on minor impurities.

CAS #

7681-11-0 Potassium Iodide (KI)

Description

White granular material.

Typical Analysis

Bulk Density	70 – 80 (75 lbs. nominal)/cubic foot
Sieve Test	30% through 10 mesh sieve
Assay	99%, as is
Alkalinity	Conforms
Iodate	4 ppm maximum
Nitrogen Compounds	Conforms
Heavy Metals	<0.001%
Thiosulfate and Barium	Conforms

How Supplied

25 and 50 pound net weight poly bags in fiber containers.

**Material
Safety
Data Sheet**

Potassium Iodide, Free Flowing Technical Grade



501 Santa Fe, Kansas City, MO 64105
Information: 816-421-0366 Emergency: 1-800-424-9300

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I: Product Identification

NFPA Rating Fire 0 **Toxicity** 1 **Reactivity** 0 **Special** 0

Product Name Potassium Iodide, Tech Grade **DOT Class** Not a hazardous material
Product Number 9004 **Hazard Class** N/A
Prepared By QA/Charles Hempstead **UN Number** N/A **PG** N/A
Date Created 01/24/03 **Guide Number** N/A
Last Revision **Shipping Name** Feed preparation
Synonyms

II: Hazardous Ingredients

Chemical Name Potassium Iodide
CAS 7681-11-0
OSHA PEL None established
ACGIH TLV None established
Weight % 98.5

III: Physical Characteristics

Boiling Point N/A **Specific Gravity** 1.46 to 1.60
Vapor Pressure N/A **Melting Point** N/A
Evaporation Rate N/A **Vapor Density** N/A
Solubility in Water 58.8% w/w @ 25°C **Pounds per Gallon** Density: 70-80 lbs/cu.ft.
Appearance Colorless or white granules **Odor** Organoleptic

IV: Fire/Explosion

Flash Point Non-flammable
Estimated Explosive Limit Range **LEL** 0.00% **UEL** 0.00%
Flash Point Method Used N/A
Extinguishing Media Water
Special Fire-Fighting Procedures N/A
Unusual Fire and Explosion Hazards May emit toxic fumes of iodine and potassium oxides with high heat.

V: Reactivity Data

Stability Stable
Conditions to Avoid N/A
Incompatibility Oxidizers
Hazardous Decomposition or By-Products There are none under normal circumstances.
Hazardous Polymerizations Will not occur.
Conditions to Avoid N/A

VI: Health Hazard Data

Acute Health Effects

Eye Contact	May cause eye irritation on contact.
Inhalation	Avoid inhalation of dust, could cause irritation.
Ingestion	Moderately toxic if large quantity is ingested.
Skin Contact	Prolonged or repeated exposure may cause skin irritation.
Signs and Symptoms of Exposure	Prolonged exposure to iodides may cause skin rash, running nose, headache and irritation to mucous membranes.
Aggravated Medical Conditions	N/A
Supplemental Health Information	N/A

Emergency First Aid Procedures

Eye Contact	Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.
Inhalation	Remove victim to fresh air.
Ingestion	Moderately toxic if large quantity is ingested. Promptly drink large quantities of water and get medical attention.
Skin Contact	Flush with large amounts of water for at least 15 minutes. If irritation occurs, get medical attention.

VII: Spill or Leak Procedures

Steps to be Taken in Case Material is Spilled or Released	Flush to sewer or dispose of with refuse.
Waste Disposal Method	Follow all local, state and federal regulations.
Precautions to be Taken in Handling/Storing	Store in a cool, dry place. Protect from light.
Other Precautions	<i>Thoroughly rinse all measuring devices and store out of reach of children.</i> Keep container tightly closed when not in use.

VIII: Control Measures

Respiratory Protection (Specify Type)	Recommended, NIOSH/MSHA-approved (or equivalent) respirator, if dust is generated.
Ventilation	Use only with adequate ventilation.
Protective Gloves	Chemically resistant gloves are recommended.
Eye Protection	Safety glasses with side shields (or goggles) are recommended.
Other Protective Clothing or Equipment	N/A
Work/Hygienic Practices	Use good personal hygiene when handling this product. Wash hands after use, before smoking, or using the toilet.

IX: Additional Information

Other Additional Information:

No information available at this time.

The information contained herein is based on the data available to us and is believed to be accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. We assume no responsibility for injuries from the use of the product described herein.