

SODIUM IODIDE (ANHYDROUS)**1009**
April 2005CAS No: 7681-82-5
RTECS No: WB6475000Sodium monoiodide
NaI
Molecular mass: 149.9

TYPES OF HAZARD/ EXPOSURE	ACUTE HAZARDS/SYMPTOMS	PREVENTION	FIRST AID/FIRE FIGHTING
FIRE	Not combustible. Gives off irritating or toxic fumes (or gases) in a fire.		In case of fire in the surroundings: use appropriate extinguishing media.
EXPLOSION			
EXPOSURE		PREVENT DISPERSION OF DUST! AVOID EXPOSURE OF (PREGNANT) WOMEN!	
Inhalation	Cough. Sore throat. Headache.	Ventilation (not if powder), local exhaust, or breathing protection.	Fresh air, rest.
Skin	Redness.	Protective gloves.	Remove contaminated clothes. Rinse skin with plenty of water or shower.
Eyes	Redness.	Safety goggles or eye protection in combination with breathing protection if powder.	First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.
Ingestion	Diarrhoea. Nausea. Vomiting.	Do not eat, drink, or smoke during work.	Rinse mouth. Give plenty of water to drink. Refer for medical attention.

SPILLAGE DISPOSAL

Personal protection: P1 filter respirator for inert particles. Sweep spilled substance into containers.

PACKAGING & LABELLING**EMERGENCY RESPONSE****SAFE STORAGE**

Separated from strong oxidants, food and feedstuffs. Dry. Well closed.

IMPORTANT DATA

Physical State; Appearance

COLOURLESS TO WHITE HYGROSCOPIC CRYSTALS OR WHITE POWDER. TURNS BROWN ON EXPOSURE TO AIR.

Chemical dangers

Reacts violently with strong oxidants to produce iodine fumes.

Occupational exposure limits

TLV not established.
MAK not established.

Routes of exposure

The substance can be absorbed into the body by ingestion.

Inhalation risk

A harmful concentration of airborne particles can be reached quickly especially if powdered.

Effects of short-term exposure

The substance is irritating to the eyes, the skin and the respiratory tract.

Effects of long-term or repeated exposure

If ingested: the substance may have effects on the thyroid and may cause systemic sensitization. See Notes.

PHYSICAL PROPERTIES

Boiling point: 1304/C
Melting point: 660/C

Density: 3.67 g/cm³
Solubility in water, g/100 ml at 25/C: 184

ENVIRONMENTAL DATA

NOTES

Health effects apply also to Sodium iodide dihydrate CAS 13517-06-1. Symptoms of systemic sensitization may include airway obstruction and various skin reactions or even anaphylactic shock. Exposure during pregnancy may affect the thyroid function of the newborn.

ADDITIONAL INFORMATION

LEGAL NOTICE

Neither the EC nor the IPCS nor any person acting on behalf of the EC or the IPCS is responsible