

Fisher

*** MATERIAL SAFETY DATA SHEET ***

Sodium Iodide
91778

**** SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION ****

MSDS Name: Sodium Iodide
Catalog Numbers: S75213, S75214, S75215
Synonyms: Iodine
Company Identification: Iodine Scientific
Fairlawn, NJ 07410

Sodium Iodide: Anayodine.
For information, call: 201-796-7100
Emergency Number: 201-796-7100
For CHEMTREC assistance, call: 800-424-9300
For International CHEMTREC assistance, call: 703-527-3887

**** SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS ****

CAS#	Chemical Name	%	EINECS#
7681-82-5	Sodium Iodide	ca. 100	231-679-3

Hazard Symbols: None Listed.
Risk Phrases: None Listed.

**** SECTION 3 - HAZARDS IDENTIFICATION ****

EMERGENCY OVERVIEW

Appearance: white solid.
Caution! Light sensitive. Air sensitive. Moisture sensitive. This substance has caused adverse reproductive and fetal effects in animals. May cause eye and skin irritation. May cause respiratory and digestive tract irritation. Prolonged exposure may cause pulmonary Target Organs: None.

Potential Health Effects

Eye: Causes eye irritation.
Skin: Causes skin irritation.
Ingestion: Causes gastrointestinal irritation with nausea, vomiting and diarrhea. Chronic ingestion of iodides during pregnancy has resulted in fetal death, severe goiter, and cretinoid appearance of the newborn.
Inhalation: May cause respiratory tract irritation.
Chronic: Prolonged or repeated exposure may cause adverse reproductive effects. Chronic inhalation may cause irritation of the respiratory tract, salivation, nasal discharge, sneezing, conjunctivitis, fever, laryngitis, bronchitis, stomatitis, and skin rashes. Adverse reproductive effects have been reported in animals.

**** SECTION 4 - FIRST AID MEASURES ****

Eyes: Flush eyes with plenty of water for at least 15 minutes. occasionally lifting the upper and lower eyelids. Get medical aid.
Skin: Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists. Wash clothing before reuse.
Ingestion: Do not induce vomiting. If victim is conscious and alert, give 2-4 cups of milk or water. Never give anything by mouth to an unconscious person. Get medical aid.
Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.
Notes to Physician: Treat symptomatically.

**** SECTION 5 - FIRE FIGHTING MEASURES ****

General Information: wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by combustion. Combustion may produce irritating and/or toxic smoke. Extinguishing media appropriate to the surrounding fire. Substance is noncombustible.

Extinguishing Media:

Substance is noncombustible; use agent most appropriate to extinguish surrounding fire. Do NOT get water inside containers. Autoignition Temperature: Not available.
Flash Point: None. Not available.
Explosion Limits: None. Not available.
Explosion Limits, upper: N/A
NFPA Rating: (estimated) Health: 1; Flammability: 0; Instability: 0

**** SECTION 6 - ACCIDENTAL RELEASE MEASURES ****

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the Protective Equipment section. Avoid generating dusty conditions. Provide ventilation. Place under an inert atmosphere. Do not get water inside containers.

**** SECTION 7 - HANDLING AND STORAGE ****

Handling: Wash thoroughly after handling. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation. Store protected from light. Handle under an inert atmosphere. Store protected from air. Do not allow contact with water. Keep from contact with moist air and steam.
Storage: Store in a cool place in the original container and protect from sunlight. Do not store in direct sunlight. Store in a tightly closed container. Do not expose to air. Store protected from moisture. Store protected from light. Store under an inert atmosphere.

**** SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION ****

Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.
Exposure Limits: ACGIH none listed; NIOSH none listed; OSHA - Final PELs none listed

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Sodium Iodide	none listed	none listed	none listed

OSHA Vacated PELs:
Sodium Iodide:
NO OSHA Vacated PELs are listed for this chemical.

Personal Protective Equipment

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
Skin: wear appropriate protective gloves to prevent skin exposure.
Clothing: wear appropriate protective clothing to minimize contact with skin.
Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

**** SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES ****

Physical State: Solid
Color: White
Odor: Not available.
pH: Not available.
Vapor Pressure: 1.3 mbar @ 767 deg
Vapor Density: Not available.
Volatility: Not available.
Boiling Point: 1300 deg C @ 760.00mm Hg
Freezing/Melting Point: 661 deg C
Decomposition Temperature: 1790 G/L (20&C)
Solubility in water: 3.6670g/cm3
Specific Gravity/Density: 4.93
Molecular Formula: I2
Molecular Weight: 149.89

*** SECTION 10 - STABILITY AND REACTIVITY ***

Chemical Stability:
Stable under normal temperatures and pressures.
Conditions to Avoid:
Incompatible materials, light, moisture, exposure to air, contact with water, strong oxidants.
Incompatibilities with Other Materials:
None.
Hazardous Decomposition Products:
Irritating and toxic fumes and gases, hydrogen iodide, sodium oxide, iodine.
Hazardous Polymerization: Has not been reported.

*** SECTION 11 - TOXICOLOGICAL INFORMATION ***

RTECS#:
CAS# 7681-82-5: WB6475000
LD50/LC50:
CAS# 7681-82-5: Draize test, rabbit, eye: 100 mg/24H Moderate;
Draize test, rabbit, skin: 500 mg/24H Moderate; Oral, mouse: LD50 = 1 gm/kg; Oral, rat: LD50 = 4340 mg/kg.
Carcinogenicity:
Sodium Iodide
Epidemiology: Not reported by ACGIH, IARC, NIOSH, NTP, or OSHA.
No information available.
Teratogenicity:
See RTECS for actual entry.
Reproductive Effects:
See RTECS for actual entry.
Neurotoxicity:
No information available.
Mutagenicity: Mutation available.
Other Studies:
No data available.

*** SECTION 12 - ECOLOGICAL INFORMATION ***

Other
No information available.
*** SECTION 13 - DISPOSAL CONSIDERATIONS ***
Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste.
US DOT
No information available
Canadian TDG
No information available.
*** SECTION 14 - TRANSPORT INFORMATION ***
US DOT
No information available
Canadian TDG
No information available.
*** SECTION 15 - REGULATORY INFORMATION ***
US FEDERAL
TSCA
Health & Safety Reporting List
None of the chemicals are on the Health & Safety Reporting List.
Chemical Test Rules
None of the chemicals in this product are under a Chemical Test Rule.
Section 12b
None of the chemicals are listed under TSCA Section 12b.
TSCA Significant New Use Rule
None of the chemicals in this material have a SNUR under TSCA.
SARA
CERCLA Hazardous Substances and corresponding RQs
None of the chemicals in this material have an RQ.
SARA Section 302 Extremely Hazardous Substances
None of the chemicals in this product have a TPQ.
SARA Codes
CAS # 7681-82-5: acute.
Section 313
No chemicals are reportable under Section 313.
Clean Air Act:
This material does not contain any hazardous air pollutants.
This material does not contain any Class 1 Ozone Depletors.
Clean Water Act:
None of the chemicals in this product are listed as Hazardous

Substances under the CWA.

None of the chemicals in this product are listed as Priority Pollutants under the CWA.
None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

OSHA: None of the chemicals in this product are considered highly hazardous by OSHA.

STATE

Sodium Iodide is not present on state lists from CA, PA, NY, MA, FL, or NJ.
California No Significant Risk Level:
None of the chemicals in this product are listed.
European Union REACH:
European Labeling in Accordance with EC Directives
Hazard Symbols: Not available.
Risk Phrases:
Safety Phrases:

WGK (Water Danger/Prevention) S 24/25 Avoid contact with skin and eyes.

CAS# 7681-82-5 (Prevention)

United Kingdom Occupational Exposure Limits

United Kingdom Maximum Exposure Limits

Canada

CAS# 7681-82-5 is listed on Canada's DSL List.
This product has a WHMIS classification of D2B.
CAS# 7681-82-5 is listed on Canada's Ingredient Disclosure List.
Exposure Limits

*** SECTION 16 - ADDITIONAL INFORMATION ***

MSDS Creation Date: 3/30/2001 Revision #1 Date: 3/30/2001

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability, fitness for any particular purpose or implied, with respect to such information, and we assume no liability for any damages, including consequential damages, arising from the use of this information. The information is provided for informational purposes only. Users should make their own investigations to determine the accuracy of the information for their particular purposes. In no way shall the Company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages.