



MATERIAL SAFETY DATA SHEET

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Sodium Iodide

21340

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MSDS Name: Sodium Iodide

Catalog Numbers:

S128

Synonyms:

Sodium monoiodide, sodium iodine, anayodin

Company Identification:

LEONID CHEMICALS

62/A-2 2nd Stage, Industrial Suburb

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SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS

CAS#	: 7681-82-5
Chemical Name	: Sodium iodide
%	: 100
EINECS#	: 231-679-3
Haz Symbols	: None Listed
Risk Phrases	: None Listed

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Not available.

Potential Health Effects

Eye:

Causes eye irritation.

Skin:

May cause skin irritation.

Ingestion:

Causes gastrointestinal irritation with nausea, vomiting and diarrhea.

Inhalation:

May cause respiratory tract irritation. Irritation may lead to chemical pneumonitis and pulmonary edema.

Chronic:

Prolonged or repeated exposure may cause adverse reproductive effects. Chronic exposure can lead to iodism characterized by salivation, nasal discharge, sneezing, conjunctivitis, fever,



laryngitis, bronchitis, stomatitis, and skin rashes. May cause fetal effects.

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.

Ingestion:

If victim is conscious and alert, give 2-4 cupfuls 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:

SECTION 5 - FIRE FIGHTING MEASURES

General Information:

Material will not burn. Wear appropriate protective clothing to prevent contact with skin and eyes. Wear a self-contained breathing apparatus (SCBA) to prevent contact with thermal decomposition products.

Extinguishing Media:

For small fires, use water spray, dry chemical, carbon dioxide or chemical foam.

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. Avoid generating dusty conditions.

SECTION 7 - HANDLING and STORAGE

Handling:

Use with adequate ventilation. Avoid prolonged or repeated contact with skin. Avoid ingestion and inhalation.

Storage:

Store in a cool place in the original container and protect from

sunlight.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering Controls:

Use adequate ventilation to keep airborne concentrations low.

Personal Protective Equipment

Eyes:

Wear safety glasses with side shields.

Skin:

Wear impervious gloves.

Clothing:

Wear appropriate protective clothing to prevent skin exposure.

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, deliquescent crystalline solid.

Odor: Odorless

pH: 8 to 9.5

Vapor Pressure: Not available.

Viscosity: Not available.

Boiling Point: 2379 deg F

Freezing/Melting Point: 1204 deg F

Autoignition Temperature: Not available.

Flash Point: Not available.

Explosion Limits, lower: Not available.

Explosion Limits, upper: Not available.

Decomposition Temperature: Not available.

Solubility in water: Soluble in water

Specific Gravity/Density: 3.67

Molecular Formula: NaI

Molecular Weight: 149.8943

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability:

Stable under normal temperatures and pressures.

Conditions to Avoid:

Incompatible materials, light.

Incompatibilities with Other Materials:

Incompatible with potassium iodide, oxidants, bromine trifluoride, alkaloidal salts

Hazardous Decomposition Products:
Hydrogen iodide.
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 =
1000 mg/kg; Oral, rat: LD50 = 4340 mg/kg.
Carcinogenicity:
Sodium iodide -
Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.
Other:
See actual entry in RTECS for complete information.

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity:
This chemical is expected to cause little oxygen depletion in aquatic systems. This chemical has a low to moderate potential to affect aquatic organisms. Acute aquatic effects: 96-hour LC50; Fathead minnow: 3200 ng/L 96-hour LC50; Water flea: 3.3 mg/L (caused immobilization of test animal) 48-hour LC50; Golden orfe (minnow): GT 10,000 mg/L.

SECTION 13 - DISPOSAL CONSIDERATIONS

Products which are considered hazardous for supply are classified as Special Waste and the disposal of such chemicals is covered by regulations which may vary according to location. Contact a specialist disposal company or the local waste regulator for advice. Empty containers must be decontaminated before returning for recycling.

SECTION 14 - TRANSPORT INFORMATION

IATA
Shipping Name: SULPHURIC ACID
Hazard Class: 8
UN Number: 1830
Packing Group: II
IMO
Shipping Name: SULPHURIC ACID
Hazard Class: 8
UN Number: 1830
Packing Group: II

RID/ADR
Shipping Name: SULPHURIC ACID
Hazard Class: 8
UN Number: 1830
Packing group: II

SECTION 15 - REGULATORY INFORMATION

European/International Regulations
European Labeling in Accordance with EC Directives
Hazard Symbols: Not available.
Risk Phrases:
Safety Phrases:
WGK (Water Danger/Protection)
CAS# 7681-82-5: 1
United Kingdom Occupational Exposure Limits

United Kingdom Maximum Exposure Limits

Canada
CAS# 7681-82-5 is listed on Canada's DSL List.
CAS# 7681-82-5 is listed on Canada's Ingredient Disclosure List.
Exposure Limits
US FEDERAL
TSCA
CAS# 7681-82-5 is listed on the TSCA inventory.

SECTION 16 - ADDITIONAL INFORMATION

MSDS Creation Date: 12/16/1994 Revision #0 Date: Original.

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability 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.