Section 1 - Chemical Product and Company Identification

**MSDS Name:** Sodium iodide

**Catalog Numbers:**
- 20318-0000, 20318-0010, 20318-0050, 20318-2500, 21268-0000, 21268-0010, 21268-0100

**Synonyms:**
- Acros Organics BVBA
- Janssen Pharmaceuticalaan 3a
- 2440 Geel, Belgium

**Company Identification:**
- Acros Organics
- One Reagent Lane
- Fair Lawn, NJ 07410

**For information in the US, call:**
- 800-ACROS-01

**For information in Europe, call:**
- +32 14 57 52 11

**Emergency Number, Europe:**
- +32 14 57 52 99

**Emergency Number US:**
- 201-796-7100

**CHEMTREC Phone Number, US:**
- 800-424-9300

**CHEMTREC Phone Number, Europe:**
- 703-527-3887

Section 2 - Composition, Information on Ingredients

<table>
<thead>
<tr>
<th>CAS#</th>
<th>Chemical Name</th>
<th>%</th>
<th>EINECS#</th>
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<tbody>
<tr>
<td>7681-82-5</td>
<td>Sodium iodide</td>
<td>99+%</td>
<td>231-679-3</td>
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</tbody>
</table>

**Hazard Symbols:** None listed

**Risk Phrases:** None listed

Section 3 - Hazards Identification

**EMERGENCY OVERVIEW**

*Not available*

**Potential Health Effects**

**Eye:** May cause eye irritation.

**Skin:** May cause skin irritation. May be harmful if absorbed through the skin.

**Ingestion:** May cause irritation of the digestive tract. May be harmful if swallowed.

**Inhalation:** May cause respiratory tract irritation. May be harmful if inhaled.

**Chronic:**

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:** Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
Ingestion: Get medical aid. Wash mouth out with water.
Inhalation: Remove from exposure and move to fresh air immediately. Get medical aid.
Notes to Physician: Treat symptomatically and supportively.

Section 5 - Fire Fighting Measures
General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.
Extinguishing Media: Substance is noncombustible; use agent most appropriate to extinguish surrounding fire.

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. Do not let this chemical enter the environment.

Section 7 - Handling and Storage
Handling: Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes. Avoid ingestion and inhalation.
Storage: Store in a cool, dry place. Store in a tightly closed container. Store under nitrogen.

Section 8 - Exposure Controls, Personal Protection
Engineering Controls: Use adequate ventilation to keep airborne concentrations low.

Exposure Limits
CAS# 7681-82-5:

Personal Protective Equipment
Eyes: Wear chemical splash goggles.
Skin: Wear appropriate protective gloves to prevent skin exposure.
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. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Section 9 - Physical and Chemical Properties

Physical State: Powder
Color: white
Odor: odorless
pH: 6-9 (50 g/L aq.sol.)
Vapor Pressure: 1.3mbar @767 deg C
Viscosity: Not available
Boiling Point: 1300 deg C @760mmHg (2,372.00°F)
Freezing/Melting Point: 661 deg C (1,221.80°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: 184 g/100ml (25°C)
Specific Gravity/Density: 3.660
Molecular Formula: INa
Molecular Weight: 149.89

Section 10 - Stability and Reactivity


Conditions to Avoid: Incompatible materials, light, exposure to air, exposure to moist air or water.

Incompatibilities with Other Materials: Strong oxidizing agents, strong oxidizing agents, strong acids, bromine trifluoride, potassium chlorates, metallic salts, perchloric acid, potassium iodide, calomel.

Hazardous Decomposition Products: Hydrogen iodide, sodium oxide, iodine.
Hazardous Polymerization: Will not occur.

Section 11 - Toxicological Information

RTECS#: CAS# 7681-82-5: WB6475000
LD50/LC50:
RTECS:
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;

Other:
Carcinogenicity: Sodium iodide - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.
Other: The toxicological properties have not been fully investigated. See actual entry in RTECS for complete information.

Section 12 - Ecological Information

Other: This chemical is not likely to bioconcentrate. Do not empty into drains.

Section 13 - Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

Section 14 - Transport Information

<table>
<thead>
<tr>
<th>Shipping Name:</th>
<th>IATA</th>
<th>IMO</th>
<th>RID/ADR</th>
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</thead>
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<td></td>
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<td></td>
</tr>
<tr>
<td>Packing Group:</td>
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</tr>
</tbody>
</table>

Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: Not available
Risk Phrases:
Safety Phrases:
S 24/25 Avoid contact with skin and eyes.

WGK (Water Danger/Protection)
CAS# 7681-82-5: 1

Canada
CAS# 7681-82-5 is listed on Canada's DSL List

**US Federal**

TSCA
CAS# 7681-82-5 is listed on the TSCA Inventory.

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**Section 16 - Other Information**

**MSDS Creation Date:** 7/16/1996
**Revision #1 Date** 10/16/2006

**Revisions were made in Sections:** 1, 2, 3, 4, 5, 6, 7, 8, 9, 10,

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