

Sodium iodide**03129-1KG**

Version 2.0

Revision Date 02/27/2020

Print Date 05/29/2023

SECTION 1. IDENTIFICATION

Product name : Sodium iodide

Number : 000000020700

Product Use Description : Laboratory chemicals

Manufacturer or supplier's details : Honeywell Specialty Chemicals Seelze GmbH
Wunstorfer Straße 40
Seelze, 30926

For more information call : 1-800-368-0050
+1-231-726-3171(Monday-Friday, 9:00am-5:00pm)

In case of emergency call : **Medical: 1-800-498-5701 or +1-303-389-1414**
: **Transportation (CHEMTREC): 1-800-424-9300 or**
: **+1-703-527-3887**
:
: (24 hours/day, 7 days/week)

SECTION 2. HAZARDS IDENTIFICATION**Emergency Overview**

Form : solid

Color : colourless

Odor : odourless

Classification of the substance or mixture

Classification of the substance or mixture : Skin irritation, Category 2
Eye irritation, Category 2A
Specific target organ toxicity - repeated exposure, Category 1,
Oral, Thyroid

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GHS Label elements, including precautionary statements

Symbol(s)

:



Signal word

: **Danger**

Hazard statements

: **Causes skin irritation.**
Causes serious eye irritation.
Causes damage to organs through prolonged or repeated exposure.

Precautionary statements

: **Prevention:****Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.**
Wash skin thoroughly after handling.
Do not eat, drink or smoke when using this product.
Wear protective gloves/ eye protection/ face protection.**Response:****IF ON SKIN:** Wash with plenty of soap and water.
IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
Get medical advice/ attention if you feel unwell.
Specific treatment (see supplemental first aid instructions on this label).
If skin irritation occurs: Get medical advice/ attention.
If eye irritation persists: Get medical advice/ attention.
Take off contaminated clothing and wash before reuse.**Disposal:****Dispose of contents/ container to an approved waste disposal plant.****Carcinogenicity**

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP, IARC, or OSHA.

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SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Formula : NaI

Chemical nature : Substance

Chemical name	CAS-No.	Concentration
Sodium iodide	7681-82-5	100.00 %

SECTION 4. FIRST AID MEASURES

- General advice : First aider needs to protect himself. Move out of dangerous area. Take off all contaminated clothing immediately.
- Inhalation : If breathed in, move person into fresh air. Call a physician if irritation develops or persists.
- Skin contact : After contact with skin, wash immediately with plenty of soap and water. Consult a physician.
- Eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 10 minutes. Protect unharmed eye. Consult a physician.
- Ingestion : Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Drink 1 or 2 glasses of water. If accidentally swallowed obtain immediate medical attention.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media : Dry powder
Carbon dioxide (CO₂)
Foam
Water spray

Specific hazards during : Fire may cause evolution of:

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firefighting

Hydrogen iodide (HI)
Sodium oxides
The product itself does not burn.

Special protective equipment
for firefighters

: Wear an approved positive pressure self-contained breathing
apparatus in addition to standard fire fighting gear.

Further information

: Use extinguishing measures that are appropriate to local
circumstances and the surrounding environment.

SECTION 6. ACCIDENTAL RELEASE MEASURESPersonal precautions,
protective equipment and
emergency procedures

: Evacuate personnel to safe areas.
Wear personal protective equipment. Unprotected persons
must be kept away.
Avoid dust formation.
Avoid breathing dust.
Avoid contact with skin, eyes and clothing.

Environmental precautions

: Should not be released into the environment.
Prevent further leakage or spillage if safe to do so.
Do not let product enter drains.

Methods and materials for
containment and cleaning
up

: Use mechanical handling equipment.
Sweep up and shovel into suitable containers for disposal.
Dispose of in accordance with local regulations.

SECTION 7. HANDLING AND STORAGE**Handling**Precautions for safe
handling

: Wear personal protective equipment.
Use only in well-ventilated areas.
Avoid dust formation.
Avoid breathing dust.
Avoid contact with skin, eyes and clothing.

Advice on protection against
fire and explosion

: Normal measures for preventive fire protection.

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Storage

Conditions for safe storage, including any incompatibilities : Store in original container.
Keep container tightly closed in a dry and well-ventilated place.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Protective measures : Ensure that eyewash stations and safety showers are close to the workstation location.
Legal requirements are to be considered in regard of the selection, use and care of personal protective equipment.
Avoid breathing dust.
Avoid contact with skin, eyes and clothing.

Engineering measures : Use with local exhaust ventilation.

Eye protection : Safety glasses with side-shields

Hand protection : Latex gloves
Gloves must be inspected prior to use.
Replace when worn.

Skin and body protection : Protective suit

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.

Hygiene measures : Avoid contact with skin, eyes and clothing.
Do not breathe dust.
Wash hands before breaks and at the end of workday.
When using, do not eat, drink or smoke.

Exposure Guidelines

Components	CAS-No.	Value	Control parameters	Update	Basis
Sodium iodide	7681-82-5	TWA : Time weighted average	(0.01 ppm)	2008	ACGIH:US. ACGIH Threshold Limit Values, as amended
Further information	:	Form of exposure : Inhalable fraction and vapor.			

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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	: solid
Color	: colourless
Odor	: odourless
Odor threshold	: Note: no data available
pH	: Note: no data available
Melting point/range	: 662 °C
Boiling point/boiling range	: 1,304 °C at 1,013 hPa
Flash point	: Note: Not applicable
Evaporation rate	: Note: no data available
Flammability	: The product is not flammable.
Lower explosion limit	: Note: Not applicable
Upper explosion limit	: Note: Not applicable
Vapor pressure	: Note: negligible
Vapor density	: Note: no data available
Density	: 3.5 g/cm ³ at 25 °C
Water solubility	: 165 g/l at 25 °C

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Partition coefficient: n-octanol/water	: log Pow: -1.301
Ignition temperature	: Note: Not applicable
Auto-ignition temperature	: Note: not auto-flammable
Decomposition temperature	: Note: No decomposition if used as directed.
Viscosity, dynamic	: Note: Not applicable
Viscosity, kinematic	: Note: Not applicable
Oxidizing properties	: The substance or mixture is not classified as oxidizing.
Molecular weight	: 149.89 g/mol
Bulk density	: ca. 1,500 kg/m ³

SECTION 10. STABILITY AND REACTIVITY

Reactivity	: Not classified as a reactivity hazard.
Chemical stability	: No decomposition if stored and applied as directed.
Possibility of hazardous reactions	: No dangerous reaction known under conditions of normal use.
Conditions to avoid	: Protect from heat/overheating. Protect from contamination.
Incompatible materials	: Strong acids Oxidizing agents Nitrates
Hazardous decomposition products	: Hydrogen iodide (HI) Sodium oxides

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SECTION 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity	: LD50: 4,340 mg/kg Species: Rat
Acute inhalation toxicity	: Note: no data available
Acute dermal toxicity	: Note: Not classified due to data which are conclusive although insufficient for classification.
Skin irritation	: Species: Rabbit Result: Skin irritation
Eye irritation	: Species: Rabbit Result: Eye irritation
Sensitisation	: Note: Not classified due to data which are conclusive although insufficient for classification.
Genotoxicity in vitro	: Test Method: reverse mutation assay Cell type: Salmonella typhimurium Metabolic activation: with and without metabolic activation Result: negative Method: OECD Test Guideline 471

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity effects**

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Toxicity to fish : LC50: > 100 mg/l
Exposure time: 96 h
Species: Danio rerio (zebra fish)
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50: 0.17 mg/l
Exposure time: 48 h
Species: Daphnia magna (Water flea)

Toxicity to algae : Note: Not classified due to data which are conclusive although insufficient for classification.

Elimination information (persistence and degradability)

Bioaccumulation : Note: No bioaccumulation is to be expected (log Pow ≤ 4).

Biodegradability : Note: The methods for determining biodegradability are not applicable to inorganic substances.

Further information on ecology

Additional ecological information : Should not be released into the environment.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods : Observe all Federal, State, and Local Environmental regulations.

SECTION 14. TRANSPORT INFORMATION

DOT UN/ID No. : UN 3077
Proper shipping name : Environmentally hazardous substances, solid, n.o.s. (Sodium iodide)

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Class	9
Packing group	III
Hazard Labels	9

IATA	UN/ID No.	: UN 3077	
	Description of the goods	: Environmentally hazardous substances, solid, n.o.s. (Sodium iodide)	
	Class	: 9	
	Packaging group	: III	
	Hazard Labels	: 9	
	Packing instruction (cargo aircraft)	: 956	
	Packing instruction (passenger aircraft)	: 956	
	Packing instruction (passenger aircraft)	: Y956	

IMDG	UN/ID No.	: UN 3077
	Description of the goods	: Environmentally hazardous substances, solid, n.o.s. (SODIUM IODIDE)
	Class	: 9
	Packaging group	: III
	Hazard Labels	: 9
	EmS Number	: F-A, S-F
	Marine pollutant	: yes

Not regulated for transport when single and combination packagings are <5L for liquids or <5kg for solids per ADR 2.2.9.2.10, IMDG 2.10.3 and IATA SP A197).

SECTION 15. REGULATORY INFORMATION**Inventories**

US. Toxic Substances Control Act : On TSCA Inventory

Australia. Industrial Chemical (Notification and : On the inventory, or in compliance with the inventory

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Assessment) Act

Canada. Canadian Environmental Protection Act (CEPA). Domestic Substances List (DSL) : All components of this product are on the Canadian DSL

Japan. Kashin-Hou Law List : On the inventory, or in compliance with the inventory

Korea. Existing Chemicals Inventory (KECI) : On the inventory, or in compliance with the inventory

Philippines. The Toxic Substances and Hazardous and Nuclear Waste Control Act : On the inventory, or in compliance with the inventory

China. Inventory of Existing Chemical Substances (IECSC) : On the inventory, or in compliance with the inventory

New Zealand. Inventory of Chemicals (NZIoC), as published by ERMA New Zealand : On the inventory, or in compliance with the inventory

National regulatory information

SARA 302 Components : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards : Acute Health Hazard
Chronic Health Hazard

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California Prop. 65 : This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 16. OTHER INFORMATION

	HMIS III	NFPA
Health hazard	: 2*	2
Flammability	: 0	0
Physical Hazard	: 0	
Instability	:	0

* - Chronic health hazard

Hazard rating and rating systems (e.g. HMIS® III, NFPA): This information is intended solely for the use of individuals trained in the particular system.

Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. Final determination of suitability of any material is the sole responsibility of the user. This information should not constitute a guarantee for any specific product properties.

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

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Prepared by Honeywell Performance Materials and Technologies Product Stewardship Group