

Safety Data Sheet

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

Revision Date: 17.08.2022 Version 2

TEKKİM

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Catalog No. TK.201110.00000
Product Name Sodium iodide
Cas no 7681-82-5

1.2 Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Use as a laboratory reagent.

1.2.2. Uses advised against

No information available.

1.3. Details of the supplier of the safety data sheet

Name TEKKİM KİMYA SAN. TİC. LTD. ŞTİ.
Street ORGANİZE SAN. BÖL. MAVİ CAD. 8. SOK. NO :1 NİLÜFER / BURSA
Telephone 0224 243 21 71
E-mail erhan@tekkim.com.tr
Company Representative Erhan DİLER

1.4 Emergency Telephone Number +90 506 990 36 86

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 (CLP)

Skin irritation, Category 2

Eye irritation, Category 2

Specific Target Organ Toxicity – Repeated Exposure, Oral, Category 1, Thyroid

Short term (acute) aquatic hazard, Category 1

For the full text of the H and EUH statements referred to in this section, see section 16.

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 (CLP)

Hazard pictograms



Signal word (SEA)

DANGER

Hazard Statements (SEA)

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H372 Causes damage to organs through prolonged or repeated exposure. (Troid)

H400 Very toxic to aquatic life.

Precautionary Statements (SEA)



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Prevention

- P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P264 Wash skin thoroughly after handling.
P273 Avoid release to the environment.

Intervention

- P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if fitted and easy to do. Continue rinsing.
P314 Get medical advice/attention if you feel unwell.

SECTION 3: Composition/information on ingredients

Classification according to Regulation (EC) No. 1272/2008 (CLP)

3.1 Maddeler

EC No	231-679-3
Molar mass	149.89 g/mol
Cas No	7681-82-5
Concentration	(<= 100 %)

SECTION 4: First aid measures

4.1 Description of first aid measures

<i>General information</i>	In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).
<i>Following inhalation</i>	Remove casualty to fresh air and keep warm and at rest..
<i>Following skin contact</i>	Wash with plenty of water. Take off contaminated clothing.
<i>Following eye contact</i>	In case of contact with eyes, rinse eyelids with water for 10-15 minutes. See a doctor immediately.
<i>Following ingestion</i>	Give up to two glasses of water. Get medical help immediately.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling

4.3 Indication of any immediate medical attention and special treatment needed

No information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Use extinguishing measures appropriate to the environment.

Unsuitable extinguishing media

There is no restriction for this item.

5.2 Special hazards arising from the substance or mixture

Sodium oxide. It is not flammable. Fire may cause evolution of: hydrogen iodide. All-round fire can release dangerous vapours.

5.3 Advice for firefighters

Special protective equipment for firefighters

Do not stay in dangerous zone without self-contained breathing apparatus. Keep a safe distance to cut off contact with skin and wear suitable protective clothing.

5.4 Additional information

Stop and contain spill/release if it can be done safely. If this cannot be done, allow fire to burn under control.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures



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Advice for non-emergency personnel: Don't breathe vapours, aerosols. Avoid substance contact. Keep away from head and source of ignition. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert..

6.2 Environmental precautions

Do not allow to enter into surface water or drains.

6.3 Methods and material for containment and cleaning up

Close drainage channels. Take up with liquid-absorbent material. Clean the affected area. Avoid generation of dust..

6.4 Reference to other sections

Disposal: see section 13.

6.5 Additional information

Clear spills immediately.

SECTION 7: Handling and Storage

7.1 Precautions for safe handling

Advices on safe handling

Observe label precautions.

Advices on general occupational hygiene

Change contaminated clothing. Wash hands after working with substance.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions

Keep container tightly closed in dry and well-ventilated places.

7.3 Specific end uses

There are no other specific uses other than those mentioned in section 1.2.

SECTION 8: Exposure controls / personal protection

8.1 Control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Appropriate engineering controls

More attention should be paid to technical measures against the use of personal protective equipment.

Personal protection equipment

Eye/face protection

Safety glasses

Hand protection

Hand protection

Full contact

Glove material : Nitrile rubber

Glove thickness : 0,11 mm

Break through time : >480 minute

Splash contact

Glove material : Nitrile rubber

Glove thickness : 0,11 mm

Break through time : >480 minute

The protective gloves to be used must comply with the specifications of directive 89/686/EEC and the related standart EN374.

Other skin protection



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Protective clothing.

Respiratory protection

Required when dusts occur.

Recommended Filter type: Filter P 2 (according to DIN 3181) for solid and liquid particles of harmful elements.

SECTION 9: Physical and chemical Properties

9.1 Information on basic physical and chemical properties

Physical state	Solid
Colour	Colorless
Odour	Odorless
Odour threshold	Not applicable.
pH value	6 - 9 50 g/l 20 °C
Melting point/freezing point	655 °C
Freezing point	No information.
Initial boiling point and boiling range	1.300 °C
Flash point	Not applicable.
Evaporation rate	No information.
Flammability (solid, gas)	It is not flammable.
Upper/lower flammability or explosive limits	Not applicable.
Upper/lower flammability or explosive limits	Not applicable.
Vapour pressure	1 hPa 20 °C
Vapour density	No information.
Density	3.67 g/cm ³ 20 °C
Relative density	No information.
Water solubility (g/l)	165 g/l 20 °C
Fat solubility (g/l)	No information.
Partition coefficient: n-octanol/water	No information.
Auto-ignition temperature	No information.
Decomposition temperature	No information.

Viscosity

Kinematic viscosity	Not applicable.
Dynamic viscosity	Not applicable.
Explosive properties	Not classified as explosive.
Oxidising properties	none

SECTION 10: Stability and Reactivity

10.1 Reactivity

Section 10.3 to see.

10.2 Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3 Possibility of hazardous reactions

There is a risk of explosion with alkali metals, ammonia, hydrogen peroxide.

Perchloric acid can form an exothermic reaction with fluorine.

Forms dangerous gas or vapor in contact with oxidizing agents.

10.4 Conditions to avoid

No information available.

10.5 Incompatible materials

No information available.

10.6 Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1 Information on toxicological effects



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Acute oral toxicity
LD50 Rat: 4.340 mg/kg
(RTECS)

Skin - Rabbit
Result: Irritating to the skin. - 24h
(ECHA)

Eyes - Rabbit
Result: Causes serious eye irritation. - 24h
(ECHA)

Specific Target Organ Toxicity - Repeated exposure
Causes damage to organs through prolonged or repeated exposure.
Routes of exposure: If swallowed
Target Organs: Thyroid

11.2 Additional information

Signs of exposure: skin rash, runny nose, headache and mucous membrane irritation. In severe cases, acne, boils, blistering, flaking, black and blue spots can be seen on the skin.
Prolonged exposure to iodides may cause iodism in sensitive individuals. Iodides are known to cause drug-induced high fever, usually of short duration. Prolonged exposure to iodides may cause iodism in sensitive individuals.

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish
static test LC50 Danio rerio (zebrafish): > 100 mg/l; 96 h
OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates
static test EC50 Daphnia magna (Water flea): 0.17 mg/l; 48 hours
(ECHA)

12.2 Persistence and degradability

Biodegradability
oxygenated (aerobic) - Exposure time 28 d
Result: 85% - Easily degradable.
(OECD Test Guideline 306)

Theoretical oxygen demand
533 mg/g

BOD/ThBOD ratio 56 %
(Source)

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

Substance does not meet the criteria for PBT or vPvB.

12.6 Other adverse effects

Discharge into environment must be avoided.

SECTION 13: Disposal considerations

Waste treatment methods

It must be disposed of in accordance with national and local regulations. Do not mix with other products. Uncleaned Treat packages as if it were the product itself ... Waste materials must be disposed of in accordance with national and local regulations.



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SECTION 14: Transport information

ADR	IMDG	IATA	ADN	RID
14.1 UN number UN 3077	UN 3077	UN 3077	UN 3077	UN 3077
14.2 UN proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE,SOLID, N.O.S.(Contains: Sodium iodide), MARINE POLLUTANT,	ENVIRONMENTALLY HAZARDOUS SUBSTANCE,SOLID, N.O.S.(Contains: Sodium iodide), MARINE POLLUTANT,	ENVIRONMENTALLY HAZARDOUS SUBSTANCE,SOLID, N.O.S.(Contains: Sodium iodide), MARINE POLLUTANT,	ENVIRONMENTALLY HAZARDOUS SUBSTANCE,SOLID, N.O.S.(Contains: Sodium iodide), MARINE POLLUTANT,	ENVIRONMENTALLY HAZARDOUS SUBSTANCE,SOLID, N.O.S.(Contains: Sodium iodide), MARINE POLLUTANT,
14.3 Transport hazard class(es) 9	9	9	9	9
				
14.4 Packing group III	III	III	III	III
14.5 Environmental hazards YES	YES	YES	YES	YES
Packages less than 5 kg/l or equivalent, non-hazardous goods of Class 9	Packages less than 5 kg/l or equivalent, non-hazardous goods of Class 9	Packages less than 5 kg/l or equivalent, non-hazardous goods of Class 9	Packages less than 5 kg/l or equivalent, non-hazardous goods of Class 9	Packages less than 5 kg/l or equivalent, non-hazardous goods of Class 9

14.6 Special Precautions for User:

Packages less than 5 kg/l or equivalent, non-hazardous goods of Class 9

SECTION 15: Regulatory information

15.1 Safety, health and environmental legislation specific for the substance or mixture

This product safety data sheet complies with the requirements of EU Regulation 1907/2006.

15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not been conducted for this substance.

SECTION 16: Other informations

Full text of H statements

- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H372 Causes damage to organs through prolonged or repeated exposure. (Troid)
- H400 Very toxic to aquatic life.

Person Who Prepared the Safety Data Sheet:

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