

Methyl iodide

SAFETY DATA SHEET

SDS

NANJING CHEMICAL MATERIAL CORP.

according to GHS(fifth revised edition)

Revision date: Jul.09, 2014

Section 1 - Product and Company Identification

Product name	Methyl iodide
Applicant name	NANJING CHEMICAL MATERIAL CORP.
Application address	NO.5 NEW MODEL RD, NANJING 210009 CHINA
Applicant post code	210009
Web	www.njchm.com

Section 2 –Hazards Identification

Hazard class and label elements of the substance according to GHS(the fifth revised edition): GHS hazard class

Health hazard(s)	Acute toxicity, oral Acute toxicity, dermal Skin corrosion/irritation Acute toxicity, inhalation	category3 category4 category2 category3
	Specific target organ toxicity, single exposure; Respiratory tract irritation	category3
	Carcinogenicity	category2

Pictogram



Signal	Danger
Hazard statement(s)	H301 Toxic if swallowed H312 Harmful in contact with skin H315 Causes skin irritation

H331 Toxic if inhaled
 H335 May cause respiratory irritation
 H351 Suspected of causing cancer

Precautionary statements

Prevention	P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P264 Wash thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P271 Use only outdoors or in a well-ventilated area. P280 Wear protective gloves/protective clothing/eye protection/face protection.
Response	P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor. P302+P352 IF ON SKIN: Wash with plenty of water. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P308+P313 IF exposed or concerned: Get medical advice/ attention. P312 Call a POISON CENTER/doctor/if you feel unwell. P332+P313 If skin irritation occurs: Get medical advice/attention. P362+P364 Take off contaminated clothing and wash it before reuse.
Storage	P403+P233 Store in a well-ventilated place. Keep container tightly closed. P405 Store locked up.
Disposal	P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Section 3 – Composition/Information on Ingredients

Component	Concentration(%)	CAS No.	EC No.
Methyl iodide	99%	74-88-4	200-819-5

Section 4 – First Aid Measures

After skin contact Wash off with soap and plenty of water. Consult a physician.

After eye contact Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician

After ingestion Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

After inhalation If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

Section 5 – Fire Fighting Measures

Hazardous products of combustion no data available

Extinguishing method Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special protective equipment Wear self contained breathing apparatus for fire fighting if necessary.

Section 6 – Accidental Release Measure

Personal protective Use personal protective equipment. Ensure adequate ventilation. Avoid

measures	breathing vapors, mist or gas. Evacuate personnel to safe areas.
Environmental protective measures	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Methods for taking in and cleaning up	Pick up and arrange disposal. Keep in suitable, closed containers for disposal.

Section 7 – Handling and Storage

Handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
Storage	Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section 8 – Exposure Controls/Personal Protection

Engineering Controls	Safety shower and eye bath. Mechanical exhaust required.
Respiratory protection	Use a full-face supplied air respirator.
Eye protection	Wear chemical goggles.
Hand Protection	Wear impervious chemical resistant gloves
Body protection	Protective work clothing

Section 9 – Physical and Chemical Properties

Appearance and properties: clear colorless liquid.	Odor: No data available
Odor threshold: No data available	pH value: No data available
Melting point/freezing point(°C): -66.5	Initial boiling point and boiling range(°C): 42.5
Flash point(°C)(closed cup): No data available	Evaporation Rate: No data available
Flammability: No data available	Upper explosive limit%(V/V): No data available
Lower explosive limit%(V/V): No data available	Vapor pressure(MPa): No data available
Vapor density(g/mL): No data available	Relative density(g/cm³): 2.3
Solubility: No data available	Octanol / water partition coefficient: No data available
Auto-ignition temperature(°C): No data available	Decomposition temperature(°C): No data available
Kinematic viscosity (mm²/s): No data available	

Section 10 – Stability and Reactivity

Reactive	No data available
Chemical stability	Stable under the condition recommended.
Possibility of hazardous reactions	No data available
Avoid conditions	No data available
Incompatible materials	Strong oxidizing agents, Strong bases, Oxygen
Hazardous decomposition products	No data available

Section 11 – Toxicological Information

Acute toxicity: LD ₅₀ (rat, Oral) 76mg/kg; LC ₅₀ (rat, Inhalation, 4h)1.3 mg/L; LD ₅₀ (mouse, Dermal)800 mg/kg

Skin corrosion/irritation: No data available

Serious eye damage/eye irritation: No data available
Respiratory or skin sensitization: No data available.
Germ cell mutagenicity: No data available

Carcinogenicity: Methyl iodide (CAS No. 74-88-4) : Group 3 Not classifiable as to its carcinogenicity to humans (IARC) ;

Reproductive toxicity: No data available

Specific target organ toxicity – single exposure: No data available

Specific target organ toxicity – repeated exposure: No data available
Aspiration hazard: No data available

Section 12 – Ecological Information

Toxicity: No data available

Persistence and degradability: No data available

Bioaccumulative potential: No data available

Mobility in soil: No data available

Other adverse effects: No data available.

Section 13 – Disposal Considerations

Property of waste: No data available

Methods of disposal: Dispose of in a manner consistent with federal, state, and local regulations. Burning method is recommended.

Precautions of disposal: No data available.

Section 14 - Transport Information

UN number: 2644

UN proper shipping name: METHYL IODIDE

Transportation primary hazard class: 6.1

Transportation secondary hazard class: —

Packing group: I

Section 15 - Regulatory Information

Component	CHINA	TSCA	ENCS	EINECS
Methyl iodide	√	√	√	√

Note 1:

CHINA - China Inventory of Existing Chemical Substances (IECSC)

TSCA - United States Inventory of Toxic Substances Control Act Chemical Substances (TSCA) **ENCS - Japan Existing and New Chemical Substances (ENCS)**

EINECS - European Inventory of Existing Commercial Chemical Substances (EINECS)

Note 2:

"√" Indicates that the substance included in the regulations

"-" That no data or included in the regulations

Section 16 - Additional Information

Other information: This Safety Data Sheet (SDS) was prepared according to UN GHS (the fifth revised edition) and the information included is based on the present state of our knowledge. However, the information is provided without any warranty, express or implied, regarding its correctness and is only for users reference. Users should make their independent judgement of suitability of these information for their particular purposes. We do not assume responsibility for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.

