

# 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

<b>Prevention</b>	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.
<b>Response</b>	P280 Wear protective gloves/protective clothing/eye protection/face protection.
	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.
<b>Storage</b>	P332+P313 If skin irritation occurs: Get medical advice/attention.
	P362+P364 Take off contaminated clothing and wash it before reuse.
	P403+P233 Store in a well-ventilated place. Keep container tightly closed.
	P405 Store locked up.
<b>Disposal</b>	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

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

## 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

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

## Section 9 – Physical and Chemical Properties

<b>Appearance and properties:</b> clear colorless liquid.	<b>Odor:</b> No data available
<b>Odor threshold:</b> No data available	<b>pH value:</b> No data available
<b>Melting point/freezing point(°C):</b> -66.5	<b>Initial boiling point and boiling range(°C):</b> 42.5
<b>Flash point(°C)(closed cup):</b> No data available	<b>Evaporation Rate:</b> No data available
<b>Flammability:</b> No data available	<b>Upper explosive limit%(V/V):</b> No data available
<b>Lower explosive limit%(V/V):</b> No data available	<b>Vapor pressure(MPa):</b> No data available
<b>Vapor density(g/mL):</b> No data available	<b>Relative density(g/cm<sup>3</sup>):</b> 2.3
<b>Solubility:</b> No data available	<b>Octanol / water partition coefficient:</b> No data available
<b>Auto-ignition temperature(°C):</b> No data available	<b>Decomposition temperature(°C):</b> No data available

**Kinematic viscosity (mm<sup>2</sup>/s):** No data available

## Section 10 – Stability and Reactivity

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

## Section 11 – Toxicological Information

**Acute toxicity:** LD<sub>50</sub>(rat, Oral) 76mg/kg; LC<sub>50</sub>(rat, Inhalation, 4h) 1.3 mg/L;  
LD<sub>50</sub>(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.

