

Nanjing Chemical Material Corp.



南京新化原化學有限公司
南京市化工原料總公司

Material name: Iodoethane

Nanjing Chemical Material Corp.

Foreign trading representative

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MSDS is for reference use only: please contact manufacture for emergency response information, rout

Section 1 -- CHEMICAL PRODUCT

MSDS Name: Iodoethane

Synonym: Ethyl iodide; Iodoethane.



Section 2 - COMPOSITION, INFORMATION ON INGREDIENTS

CAS:75-03-6

Chemical Name:Ethyl iodide

Content:100

EINECS#:200-833-1

Hazard Symbols: XN

Risk Phrases: 20/21/22

Section 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Harmful by inhalation, in contact with skin and if swallowed. Light sensitive. Cancer suspect agent. The toxicological properties of this material have not been fully investigated. Water-reactive.

Potential Health Effects

Eye:

Causes severe eye irritation.

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Skin:

Causes skin irritation. May cause skin sensitization, an allergic reaction, which becomes evident upon re-exposure to this material.

This material is a vesicant, that is, it will induce blistering.

Ingestion:

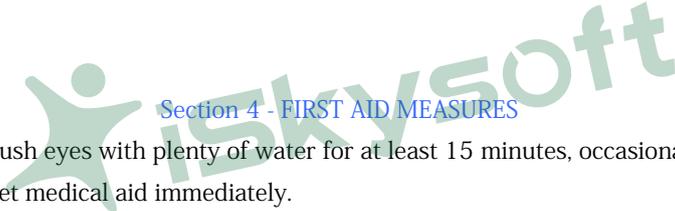
Causes gastrointestinal irritation with nausea, vomiting and diarrhea. The toxicological properties of this substance have not been fully investigated.

Inhalation:

Causes respiratory tract irritation. May cause allergic respiratory reaction. May cause asthmatic attacks due to allergic sensitization of the respiratory tract. May cause adverse central nervous system effects including headache, convulsions, and possible death.

Chronic:

May cause reproductive and fetal effects. Prolonged exposure may produce a narcotic effect.



Section 4 - FIRST AID MEASURES

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.

Skin:

Get medical aid. Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

Ingestion:

If victim is conscious and alert, give 2-4 cupfuls of milk or water.

Never give anything by mouth to an unconscious person. Get medical aid immediately.

Inhalation:

Get medical aid immediately. Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Notes to Physician:

Section 5 - FIRE FIGHTING MEASURES

General Information:

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved

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or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

Extinguishing Media:

Substance is nonflammable; 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:

Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Clean up spills immediately, observing precautions in the Protective Equipment section.

Section 7 - HANDLING and STORAGE

Handling:

Wash thoroughly after handling. Wash hands before eating. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation.

Storage:

Store in a cool, dry place. Do not store in direct sunlight. Store in a tightly closed container.

Section 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering Controls:

Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

Exposure Limits CAS# 75-03-6: Personal Protective Equipment Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin:

Wear appropriate protective gloves to prevent skin exposure.

Clothing:

Wear appropriate protective clothing to prevent skin exposure.

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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: Liquid

Color: colorless to light brown

Odor: Ethereal odor.

pH: Not available.

Vapor Pressure: 100 mm Hg @ 18 C

Viscosity: Not available.

Boiling Point: 72 deg C

Freezing/Melting Point: -108 deg C

Autoignition Temperature: Not applicable.

Flash Point: Not applicable.

Explosion Limits, lower: Not available.

Explosion Limits, upper: Not available.

Decomposition Temperature: Not available.

Solubility in water: Reacts with water.

Specific Gravity/Density: 1.92-1.93 @ 20 C

Molecular Formula: C₂H₅I

Molecular Weight: 155.9395

Section 10 - STABILITY AND REACTIVITY

Chemical Stability:

Stable under normal temperatures and pressures.

Conditions to Avoid:

Light, exposure to moist air or water.

Incompatibilities with Other Materials:

Strong oxidants and strong bases. May discolor upon exposure to light (turns brownish red).

Incompatible with silver chloride and magnesium. Reacts with water or steam to produce toxic and corrosive fumes.

Hazardous Decomposition Products:

Carbon monoxide, irritating and toxic fumes and gases, carbon dioxide, hydrogen iodide.

Hazardous Polymerization: Will not occur.

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Section 11 - TOXICOLOGICAL INFORMATION

RTECS#:**CAS# 75-03-6: KI4750000 LD50/LC50:****CAS# 75-03-6: Inhalation, rat:** LC50 = 65 gm/m³/30M; Oral, mouse: LD50 = 560 mg/kg; Oral, rat: LD50 = 330 mg/kg.**Carcinogenicity:**

Ethyl iodide - Not listed by ACGIH, IARC, or NTP.

Other:

See actual entry in RTECS for complete information.

Section 12 - ECOLOGICAL INFORMATION

Section 13 - DISPOSAL CONSIDERATIONS

Products which are considered hazardous for supply are classified as Special Waste and the disposal of such chemicals is covered by regulations which may vary according to location. Contact a specialist disposal company or the local waste regulator for advice. Empty containers must be decontaminated before returning for recycling.



Section 14 - TRANSPORT INFORMATION

IATA

Shipping Name: TOXIC LIQUID, ORGANIC, NOS(Iodoethane)

Hazard Class: 6.1

UN Number: 2810

Packing Group: III

IMO

Shipping Name: TOXIC LIQUID, ORGANIC, NOS(Iodoethane)

Hazard Class: 6.1

UN Number: 2810

Packing Group: III

RID/ADR

Shipping Name: TOXIC LIQUID, ORGANIC, NOS(Iodoethane)

Hazard Class: 6.1

UN Number: 2810

Packing group: III

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Section 15 - REGULATORY INFORMATION

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: XN

Risk Phrases:

R 20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

Safety Phrases:

S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

WGK (Water Danger/Protection)

CAS# 75-03-6: 2

Canada

CAS# 75-03-6 is listed on Canada's DSL List.

CAS# 75-03-6 is not listed on Canada's Ingredient Disclosure List.

US FEDERAL

TSCA

CAS# 75-03-6 is listed on the TSCA inventory.

