

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: Methylene Chloride
PRODUCT CODE:

DATE: 07/01/02

CAS # 75-09-2

FORMULA: CH₂Cl₂

CHEMICAL NAME/FAMILY: Methylene Chloride

CHEMICAL SYNONYMS: DICHLOROMETHANE, MECL

SUPPLIERS NAME: Nizhnekamskneftekhim USA
92 Front Street
Hempstead, NY 11550

SUPPLIERS PHONE NUMBER: 516 542 0500

TRANSPORTATION EMERGENCY PHONE NUMBER: 1-800-424-9300

S.A.R.A. INFORMATION

HAZARDS: Fire: Pressure: Reactivity: Acute: Chronic:
PHYSICAL DATA: Mixture: Pure: Solid: Liquid: X Gas:

SECTION I Hazardous Ingredients

Ingredient	Percent	TLV
Methylene Chloride	>99%	---

<> - This chemical is subject to S.A.R.A. Title III
Section 313 part 372 reporting.

SECTION II Health Hazards

Threshold Limit Value: 25 ppm

Potential Effects of Exposure (listed by primary routes of entry)

Eyes: May cause irritation.

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SECTION II Health Hazards

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Skin: May cause slight irritation

Inhalation: May cause fatigue, weakness, or sleepiness.

Ingestion: May cause lightheadedness or numbness in the limbs.

First Aid:

Eyes: In case of contact with eyes, rinse thoroughly with plenty of water.

Skin: In case of contact with skin, wash off immediately with plenty of water.

Inhalation: Remove the casualty into fresh air and keep him calm. In case of breathing stop, induce breathing with a breathing apparatus. Call for a physician.

Ingestion: Induce the patient to vomit of his own accord only if fully conscious.

Other Information: Remove soiled or soaked clothing immediately. Take affected person to fresh air. Casualty should be kept quiet and covered up. Seek medical advice immediately. If the patient is likely to become unconscious, place and transport in stable sideways position.

Symptoms : When inhaled or swallowed depending on the time and amount, it can give rise to the following symptoms: headaches, giddiness, tiredness, nausea, vomiting, heart beat disturbance, intoxication, unconsciousness, breathing stop, death. Risk of pulmonary oedema.

Treatment : DO NOT ADMINISTER ANY PREPARATIONS OF THE ADRENALIN-EPHEDRINE GROUP.

Principal Routes of Absorption:

Effects of Chronic Exposure:

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SECTION III Special Protection Information

Respiratory Protection: Short term: filter apparatus, filter AX or self-contained breathing apparatus. For rescue and maintenance work in storage containers, wear self-contained breathing apparatus because of risk of suffocation due to atmospheric oxygen loss.

Protective Clothing:

Eyes: Safety glasses/face shield.

Skin: Neoprene gloves, PVA gloves; protective overalls.

Additional protective Measures: Keep away from foodstuffs and beverages. Do not smoke during work time. Remove soiled or soaked clothing immediately.

SECTION IV Fire & Explosion Hazard Data

Flash Point (Method): None

Flammable Limits (% Volume in Air):

Upper: 22

Lower: 13

Extinguishing Media: Extinguishing measures to suit surroundings, cool containers by spraying with water.

Special Fire Fighting Procedures:

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SECTION IV Fire & Explosion Hazard Data

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Unusual Fire and Explosion Hazards:

SECTION V Physical Data

Boiling Point: 39°C - 40°C

Specific Gravity (H₂O=1):

Vapor Pressure (MM HG.): 475 mbar @ 20°C / 709 @ 30°C

Vapor Density (AIR=1): 2.9

Evaporation Rate (Butyl Acetate=1):

Solubility in Water: 13.7 g/l @ 20°C

Percent Volatile by Volume:

PH: N/A

Freezing Point:

Appearance and Odor: Clear, colorless liquid, sweetish, chloroform-like odor.

SECTION VI Reactivity Data

Stability:

Incompatibility: Reacts with alkali metals, earth alkali metals. In powdered form, Al and Zn catalyse the decomposition. Reactions with alkalies, strong acids, strong oxidising agents.

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SECTION VI Reactivity Data

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Hazardous Decomposition Products: Hydrogen chloride (HCl). Possible in traces: carbon monoxide, chlorine, phosgene. Special hazards from the substance itself, its combustion products or from its vapors: in case of fires, hazardous combustion gases are formed; carbon monoxide (CO), hydrogen chloride (HCl). Under certain conditions of combustion, traces of other toxic substances, such as phosgene and chlorine, cannot be excluded. Escaping vapors coming into contact with fire or glowing hot objects decompose and under certain circumstances form toxic substances.

Hazardous Polymerization:

SECTION VII Spill and Leak Procedures

Steps to be taken if material is released or spilled: In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities. Pick up with absorbent material (eg. sand, kieselgur, acid binder, universal binder, sawdust). Dispose of contaminated material as prescribed.

Waste disposal method : Collect waste in suitable containers, labelled and closable @5 HKW Abfv: "This solvent is after use, either to be recycled or to be given for disposal: Improper disposal is hazardous for the environment! After use it is forbidden to mix either with other substances or solvents of a different kind".

SECTION VIII D.O.T. Shipping Information

Proper Shipping Name: DICHLOROMETHANE

Hazard Class: 6.1

ID Number: UN 1593

Label Requirements: KEEP AWAY FROM FOOD

Reportable Quantity: 1000 POUNDS

Other Information:

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