

Section 1: Identification of the Substance/Mixture and of the Supplier

Product Name:	Methylene Chloride/ Dichloromethane
Proper Shipping Name	Dichloromethane
Recommended use:	Industrial Chemical/Solvent
Company Details	Marketing Chemicals Ltd
Address:	2 Rymer Place, Mangere Bridge, Auckland. New Zealand
Telephone:	+64 9 634 3862 [8.00 am to 4.30pm – Monday to Friday]
Fax:	+64 9 634 3864
Emergency Telephone:	+64 274 736008(24 hours) National Poison Centre(24 hours): 0800 POISON [764 766]
Date of preparation	23 rd October 2015

Section 2: Hazard Identification



DANGER:

- Harmful if swallowed.
- Causes skin irritation.
- Causes serious eye irritation.
- May cause cancer.
- May cause damage to organs through prolonged or repeated exposure
- Harmful to terrestrial vertebrates

HSNO Approval Number: Group Standard HSR001540

Group Standard: Dichloromethane

HSNO Classes: 6.1D(oral), 6.3A, 6.4A, 6.7B, 6.9B, 9.3C

Prevention Statements:

- Keep out of reach of children.
- Read label before use.
- Wear protective gloves and eye/face protection.
- Wash hands thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Do not breathe fume/gas/vapours/spray.
- Do not handle until all safety precautions have been read and understood.
- Use personal protective equipment as required.
- Avoid release to the environment

Response Statements

- If medical advice is needed, have product container or label at hand.
- Immediately call a POISON CENTER or doctor/physician.
- IF ON SKIN: Wash with plenty of soap and water.
- If skin irritation occurs: Get medical advice/ attention.

- Take off contaminated clothing and wash before re-use.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- If eye irritation persists: Get medical advice/attention.
- IF exposed or concerned: Get medical advice/ attention.
- Get medical advice/attention if you feel unwell.
- Avoid release to the environment.

Storage Statements

- Store locked up.

Section 3: Composition/Information on Ingredients

Name	% by Wt.	CAS Number
Dichloromethane	100	75-09-2

Section 4: First Aid Measures

Eyes:	Immediately flush eyes with plenty of water for 15 minutes. If irritation persists, seek medical attention.
Skin:	Wash exposed area with mild soap and water. Get medical attention if irritation develops or persists.
Ingestion:	Do not Induce Vomiting. Get immediate medical attention.
Inhalation:	Remove victim from area of exposure. If unconscious, give oxygen. Give artificial respiration if not breathing. Get immediate medical attention.
NOTES TO PHYSICIAN:	Exposure to high concentrations of this material (e.g., in enclosed spaces or with deliberate abuse) may be associated with cardiac arrhythmias. Epinephrine and other sympathomimetic drugs may initiate cardiac arrhythmias in persons exposed to this material. If sympathomimetic drugs are administered, observe for the development of cardiac arrhythmias.

For Further Information Telephone (24 Hours)The National Poison Centre: 0800 Poison [764 766]

Section 5: Fire Fighting Measures

Flash Point:	Not available
Auto ignition Temperature:	Not available
Flammable Limits in Air % by Volume:	Not available
Extinguishing Media:	Dry chemical, foam, or carbon dioxide.
Fire Fighting Instructions:	Proper respiratory equipment to protect against the hazardous effects of combustion products is recommended. Water in a straight hose stream may cause fire to spread and should be used as a cooling medium only.
Unusual Fire and Explosion Hazards:	Vapour accumulations may flash and/or explode if ignited. Keep ignition sources, open flames, ect, away from those fumes.

Section 6: Accidental Release Measures

- Clean up all spills immediately.
- Avoid breathing vapours and contact with skin and eyes.
- Control personal contact by using protective equipment.
- Contain and absorb spill with sand, earth, inert material, or vermiculite.

Section 7: Handling And Storage

Handling	Open container slowly to relieve any pressure. Bond and ground all equipment when transferring from one vessel or container to another. This material can accumulate static charge by flow or agitation. Vapours can be ignited by static discharge. Use explosion proof equipment as directed by local fire codes.
Storage:	Store unopened containers under cool, dry and ventilated conditions. Keep away from heat, sparks and flame.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:	General (mechanical) room ventilation is considered satisfactory in enclosed spaces. Where explosive mixtures may be present, electrical systems safe for such locations must be used.
Eye / Face Protection:	Wear safety glasses with side shields or goggles when handling this material.
Body Protection:	PVC-coated gloves. Avoid skin contact. If skin contact or contamination of clothing is likely, protective clothing should be worn.
Respiratory Protection:	Use NIOSH/MSHA approved respirators.
Exposure Limits:	TWA: 50ppm (174 mg/m ³)

Section 9: Physical And Chemical Properties

Appearance	Clear colourless liquid
Odour	Mild sweet odour
Specific Gravity	1.31
Vapour Pressure	352 mmHg @ 20oC
Vapour Density	2.9 (air =1)
Solubility in water	1.32 gm/100 gm @ 25°C
% Volatiles	92
Evaporation Rate	0.5(ether =1)
Flash Point	N/A

Section 10: Stability And Reactivity

Stability of the Substance:	Stable under normal ambient conditions.
Conditions to avoid:	Avoid contact with open flames, electric arc, and other hot surfaces, which can cause thermal decomposition.
Materials to avoid:	Avoid alkalis, acids, oxidizing agents and reactive metals such as aluminium and its alloys, zinc, magnesium, potassium and sodium.

Hazardous Decomposition Products: Carbon monoxide, hydrogen chloride, phosgene, and chlorine

Hazardous Reactions: Heating can cause expansion or decomposition of the material, which can lead to containers exploding.

Section 11: Toxicological Information

Eyes: SPECIES: Rabbit
RESULT: Moderate irritant

Skin: SPECIES: Rabbit
RESULT: Moderate to severe irritant

Ingestion: SPECIES: Rat (f)
ENDPOINT: LD50
VALUE: 1410 mg/kg

Inhalation: EndPoint: LOEC
Primary Organ:
Sub-acute exposure of male rats to various concn (70-1000 ppm) of DCM produced a selective redn of dopamine levels ... /and/ also produced a discrete dose dependent increase of the noradrenaline turnover. ... Apparently, DCM can produce discrete changes in amine storage and turnover in catecholamine nerve terminal systems of the tel- and diencephalon, some of which may contribute to the DCM induced disturbances of the secretion of anterior pituitary hormones, but actions on other transmitter identified neurons involved in neuroendocrine regulation must also be considered

Dichloromethane is probably carcinogenic to humans.

Section 12: Ecological Information

SPECIES: Rat (F)
ENDPOINT: LD50
VALUE: 1410 mg/kg

Section 13: Disposal Considerations

Recycle where possible. Otherwise, ensure that:

- Licenced contractors dispose of the product and its container.
- Disposal occurs at a licenced facility.

Section 14: Transport Information



UN No: 1593
Proper Shipping Name: Dichloromethane
Dangerous Goods Class: 6.1

Subsidiary risk

Packing Group: III

Hazchem: 2Z

Section 15: Regulatory Information

HSNO Approval No: HSR001540

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Section 16: Other Information

New Zealand National Poison Information Centre (24 hours): 0800 POISON [764 766]

New Zealand Emergency Services: 111

For General Information: John Crombie, Manager, Marketing Chemicals Ltd,

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Marketing Chemicals Ltd has taken care in compiling this information. No liability is accepted directly or indirectly from its application as conditions of use are outside the Company's control. End users are obliged to conform to relevant Local Government regulations.

End of Safety Data Sheet.