

MATERIAL SAFETY DATA SHEET**METHYLENE CHLORIDE/LIQUID CEMENT**

Revision Date: 01/08/2003

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY / UNDERTAKING**1.1. PRODUCTS IDENTIFICATION:** Methylene Chloride/Liquid Solvent Cement**1.2. USE OF SUBSTANCE:** Information not supplied.**1.3. COMPANY:** Albion Chemical Distribution
Rawdon House
Green Lane
Yeadon
Leeds
LS19 7XX
Telephone Number: (0113) 2505811
Fax No: (0113) 2508776**1.4. EMERGENCY TELEPHONE:** (N.C.E.C. Culham) 01865 407333**2. HAZARDS IDENTIFICATION****Human Health Hazards:**

Possible risks of irreversible effects.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name*	CAS No	%	EC Number	Symbol	R-Phrases
1) Methylene Chloride	75-09-2	100	200-839-9	Xn	R40

* Occupational exposure limit(s), if available, are listed in section 8

CAS No: 75-09-2
EINECS Number: 200-839-9**4. FIRST-AID MEASURES****Inhalation:**If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
Obtain medical attention..**Eye Contact:**In case of contact, immediately flush eyes with a copious amount of water for at least 15 minutes.
Obtain medical attention.

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Skin Contact:

In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. If irritation persists, seek medical attention.

Ingestion:

Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms.

Aggravating Conditions:

Not Available.

5. FIRE-FIGHTING MEASURES**Extinguishing Media:**

SMALL FIRE: Use DRY chemical powder.

LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Hazardous Thermal (de) Composition Products:

These products are carbon oxides (CO, CO₂), halogenated compounds, hydrogen chloride.

Specific Fire Fighting Procedures:

Fire fighters should wear self-contained positive pressure breathing apparatus (SCBA) and full turnout gear.

Protective of Fire Fighters:

Be sure to use an approved/certified respirator or equivalent.

6. ACCIDENTAL RELEASE MEASURES**Personal Precautions:**

Splash goggles. Protective overalls/suit. Boots. Gloves. Select appropriate protective clothing for the size of the spillage.

Environmental Precautions and Clean Up Measures:

Absorb with an inert material and put the spilled material in an appropriate waste disposal.

7. HANDLING AND STORAGE**Handling:**

Keep locked up. Keep away from heat. Keep away from sources of ignition. Empty containers may still contain significant residual amounts of the product. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/vapour/spray. Wear suitable protective clothing. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as alkalis.

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Storage:

Keep container tightly closed. Keep container in a cool, well-ventilated area. Do not store above 30°C (86°F).

Packaging Materials**Recommended Use:**

Use original container.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Engineering Measures:**

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective threshold limit value. Ensure that eyewash stations and safety showers are close to the workstation location.

Hygiene Measures:

Wash hands after handling compounds and before eating, smoking, using lavatory, and at the end of day.

Ingredient Name

1) Methylene Chloride

Occupational Exposure Limit

EH40 (United Kingdom (UK))

MEL: 100 ppm 8 Hours

MEL: 350 mg/m 8 Hours 3

MEL: 300 ppm Period: 15 minute(s).

MEL: 1050 mg/m³ Period: 15 minute(s).**Personal Protective Equipment:****Respiratory System:**

If there is a significant airborne concentration then suitable breathing apparatus should be used to avoid inhalation of the product. Air-supplied breathing apparatus is required if exposure limits are exceeded. Standard respirators are ineffective against methylene chloride.

Skin and Body:

Overalls or Lab coat.

Hands:

Impervious gloves.

Eyes:

Safety glasses.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Colour:	Clear. Colourless
Odour:	Chlorinated hydrocarbon odour
Boiling Point:	39.58°C (103.6°F)
Melting Point:	-97.7°C (-143.9°F)
Density:	1.3 g/cm ³ at 20°C (68°F)
Vapour Density:	1.9 (Air = 1)
Vapour Pressure:	47.6 kPa (357 mmHg) at 20°C
Solubility:	Insoluble in cold water
pH:	Not Applicable
Flash Point:	Not Available
Fire Hazards in Presence: Of Various Substances	Slightly flammable in presence of open flames, sparks and static discharge, of heat
Autoignition Temperature:	605°C (1121°F)
Lower Explosion Limit:	LOWER: 13% UPPER: 23%
Viscosity:	Dynamic: 0.43 cP

10. STABILITY AND REACTIVITY**Stability:**

This product is stable.

Materials to Avoid:

Reactive with alkalis.
Slightly reactive with acids.

Hazardous Decomposition Products:

These products are carbon oxides (CO, CO₂), halogenated compounds, hydrogen chloride.

11. TOXICOLOGICAL INFORMATION**Local Effects:****Acute Toxicity:**

Acute oral toxicity (LD50): 2136 mg/kg [Rat].

Chronic Toxicity:

Not Available.

Specific Effects:**Carcinogenic effects:**

Ingestion Classified 3 (Possible for humans.) by European Union.

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12. ECOLOGICAL INFORMATION

Ecotoxicity:

Ecotoxicity in water:
(LC50): 193 mg/l, 96 hours [Fish (Fathead minnow.)].

13. DISPOSAL CONSIDERATIONS

Disposal Methods:

Waste of Residue; Contaminated packaging.

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Waste Classification:

200113

14. TRANSPORT INFORMATION

International transport regulations

UN :	UN number	1593
UN :	Proper shipping name	Methylene chloride.
UN :	Packing group	III
UN :	Label	



ADR/RID:	Class	6.1
ADR/RID :	Item Number	60
ADR/RID :	Hazard identification number	15c
TREMCARD TEC(R)		720, 61G61c

IMDG :	Proper shipping name	Methylene chloride.
IMDG :	Packing group	III

IATA :	Proper shipping name	Methylene chloride.
IATA :	Packing group	III

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15. REGULATORY INFORMATION**EU Regulations:****Hazard Symbol(s):****Classification:** Harmful**Risk Phrases:****R40** Possible risks of irreversible effects.**SAFETY PHRASES**

- S2** Keep out of the reach of children.
S23 Do not breathe gas/fumes/vapour/spray
S24/25 Avoid contact with skin and eyes.
S36/37 Wear suitable protective clothing and gloves

Product Use:

Classification and labelling have been performed according to EU directives 67/548/EEC, 88/379/EEC, including amendments and the intended use.
- Consumer applications, Industrial applications.

Other EU Regulations:**Child Protection:**

Yes, applicable

Tactile Warning of Danger:

Yes, applicable

Restriction of Market Directive:

Yes, applicable

16. OTHER INFORMATION**HISTORY** (please note dates are in American format [month/day/year])

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