

# SAFETY DATA SHEET

METHYLENE CHLORIDE

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Issued: 23/02/2009

Revision No: 2

## 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

**Product name:** METHYLENE CHLORIDE  
**CAS number:** 75-09-02  
**EINECS number:** 200-838-9  
**Product code:** S109  
**Synonyms:** DICHLOROMETHANE  
METHYLENE CHLORIDE  
**Company name:** Automotive Bodyfillers Ltd  
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## 2. HAZARDS IDENTIFICATION

**Main hazards:** Limited evidence of a carcinogenic effect.  
**Other hazards:** Possible risk of irreversible effects.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

**Hazardous ingredients:** DICHLOROMETHANE >90%  
EINECS: 200-838-9 CAS: 75-09-2  
[Xn] R40

## 4. FIRST AID MEASURES (SYMPTOMS)

**Skin contact:** There may be mild irritation at the site of contact.  
**Eye contact:** There may be irritation and redness.  
**Ingestion:** There may be irritation of the throat.  
**Inhalation:** No symptoms.

## 4. FIRST AID MEASURES (ACTION)

**Skin contact:** Remove affected person from source of contamination. Promptly flush contaminated skin with water. Promptly remove clothing if soaked through and flush the skin with water. Get medical attention if irritation persists after washing.  
**Eye contact:** In case of contact, immediately flush eyes with a copious amount of water for at least 15 minutes. Obtain medical attention.  
**Ingestion:** Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Consult a doctor.

[cont...]

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**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

**5. FIRE-FIGHTING MEASURES**

**Extinguishing media:** Alcohol resistant foam. Water spray. Carbon dioxide. Dry chemical powder.

**Exposure hazards:** Highly flammable. In combustion emits toxic fumes. Forms explosive air-vapour mixture. Vapour may travel considerable distance to source of ignition and flash back.

**Protection of fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions:** Refer to section 8 of SDS for personal protection details. Notify the police and fire brigade immediately. Eliminate all sources of ignition. Turn leaking containers leak-side up to prevent the escape of liquid.

**Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.

**Clean-up procedures:** Do not use equipment in clean-up procedure which may produce sparks. Absorb into dry earth or sand. Clean-up should be dealt with only by qualified personnel familiar with the specific substance.

**7. HANDLING AND STORAGE**

**Handling requirements:** Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air. Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not breathe gas/fumes/vapour/spray. Remove ignition sources. Avoid sparks. Do not smoke.

**Storage conditions:** Store in cool, well ventilated area. Keep container tightly closed. Keep away from sources of ignition. Prevent the build up of electrostatic charge in the immediate area. Ensure lighting and electrical equipment are not a source of ignition.

**Suitable packaging:** Must only be kept in original packaging.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Hazardous ingredients:** DICHLOROMETHANE  
WEL (8 hr TWA): 350 mg/m<sup>3</sup> WEL (15 min STEL): 1060 mg/m<sup>3</sup>

**Engineering measures:** Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition. Ensure eyewash stations and safety showers are close to the workstation location.

**Respiratory protection:** Respiratory protection not required.

**Hand protection:** Protective gloves.

**Eye protection:** Safety glasses. Ensure eye bath is to hand.

**Skin protection:** Protective clothing.

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**9. PHYSICAL AND CHEMICAL PROPERTIES****State:** Liquid**Colour:** Colourless**Odour:** Chlorinated hydrocarbon odour**Solubility in water:** Insoluble in cold water.**Boiling point/range°C:** 39.8 deg**Melting point/range°C:** -97.7 deg**Flammability limits %: lower:** 13%**upper:** 23%**Autoflammability°C:** 605 deg**pH:** n/a**10. STABILITY AND REACTIVITY****Stability:** Stable under normal conditions. Stable at room temperature.**Conditions to avoid:** Heat. Hot surfaces. Sources of ignition. Flames.**Materials to avoid:** Alkalis.**Haz. decomp. products:** In combustion emits toxic fumes.**11. TOXICOLOGICAL INFORMATION****Hazardous ingredients:** DICHLOROMETHANE  
ORL MUS LD50 4770 mg/kg  
ORL RAT LD50 5350 mg/kg  
SCU MUS LD50 6460 mg/kg**Routes of exposure:** Refer to section 4 of SDS for routes of exposure and corresponding symptoms.**12. ECOLOGICAL INFORMATION****Mobility:** Readily absorbed into soil.**Persistence and degradability:** Biodegradable.**Bioaccumulative potential:** No bioaccumulation potential.**Other adverse effects:** Negligible ecotoxicity.**13. DISPOSAL CONSIDERATIONS****Disposal operations:** This material must be disposed of via an Authorised Waste/Disposal Company in accordance with Local or national Disposal Regulations.**Disposal of packaging:** Arrange for collection by specialised disposal company.**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

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**UN no:** 1593 **ADR Class:** 6.1  
**Packing group:** III **Classification code:** T1  
**Shipping name:** DICHLOROMETHANE (DICHLOROMETHANE)  
**Labelling:** 6.1 **Hazard ID no:** 60

**IMDG / IMO**

**UN no:** 1593 **Class:** 6.1  
**Packing group:** III **EmS:** F-A,S-A  
**Marine pollutant:** NO  
**Labelling:** 6.1

**IATA / ICAO**

**UN no:** 1593 **Class:** 6.1  
**Packing group:** III  
**Packing instructions:** 605(P&CA); 612(CAO)  
**Labelling:** 6.1

**15. REGULATORY INFORMATION**

**Hazard symbols:** Harmful.



**Risk phrases:** R40: Limited evidence of a carcinogenic effect.

**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.

S60: This material and its container must be disposed of as hazardous waste.

**Haz. ingredients (label):** DICHLOROMETHANE

**Note:** The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

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**16. OTHER INFORMATION**

**Risk phrases used in s.3:** R40: Limited evidence of a carcinogenic effect.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Automotive Bodyfillers Ltd shall not be held liable for any damage resulting from handling or from contact with the above product.

