

SAFETY DATA SHEET

1.) IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product Name: SPRAY ADHESIVE
Intended Use: Adhesive Spray

Manufacturer: MORLEYS LTD
Address: Unit 2,
Higher Walton Mill,
Higher Walton,
Preston,
Lancs,
PR5 4DJ

Tel: 01772 626700
Fax: 01772 627372

2.) COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT NAME	CAS NO.	HEALTH (class)	RISK (R No.)	CONTENTS %
Dichloromethane	75-09-2	Xn	40	25-50
Butane	106-97-8	None	None	10-25
Propane	74-98-6	None	None	10-25
Resins and plasticisers				10-25
Synthetic rubber				5-10

3.) HAZARDS IDENTIFICATION

Eye contact: Irritating to eyes

Skin contact: Slight Slight skin irritant. Prolonged or repeated contact can cause dermatitis

Inhalation: High levels of vapour/mist may cause dizziness. Can cause irritation of the respiratory tract.

Ingestion: Accidental ingestion is an unlikely event.

4.) FIRST AID MEASURES

Eye contact: Contact lenses should be removed. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart, and seeking medical advice.

Skin contact: Remove contaminated clothing. Wash skin thoroughly with soap and water or use a proprietary skin cleaner. Do NOT use solvents or thinners. If in doubt, seek medical advice.

Inhalation: Remove to fresh air, keep the patient warm and at rest. If breathing is irregular or has stopped, administer artificial respiration. Give nothing by mouth. If unconscious, place in the recovery position and seek medical advice.

Ingestion: If accidentally swallowed, obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

5.) FIRE-FIGHTING MEASURES

Extinguishing media: Alcohol resistant foam; CO₂ powder; water spray/mist.
Do not use: Water jet

Special fire fighting procedures: Fire exposed containers should be sprayed with water to lessen the risk of explosion.

Unusual fire and explosion hazards: Thermal degradation will cause evolution of Hydrogen Chloride with small amounts of phosgene and chlorine. All these gases are toxic. Phosgene is extremely toxic.

6.) ACCIDENTAL RELEASE MEASURES

Procedures for leaks of spillage: Exclude non-essential personnel. Avoid breathing vapours. Refer to protective measures listed in sections 7&8. Contain and collect spillage's with non-combustible absorbant materials, e.g. sand, earth, vermiculite diatomaceous earth, and place in a suitable container for suitable disposal in accordance with the waste regulations (see section 13). Do not allow to enter drains or water courses. Clean preferably with a detergent; avoid the use of solvents. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the National Rivers Authority.

7.) HANDLING AND STORAGE

Handling: Vapours are heavier than air and may spread along floors. They may form explosive mixtures with air. Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentrations higher than the occupational limits. Use only in areas from which all sources of heat, sparks and open flame have been excluded. Avoid skin and eye contact. Avoid inhalation of vapour and spray mist. Smoking, eating and drinking should be prohibited in areas of use and storage.

Storage: Store below 50 Deg.C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Observe the label precautions. Store separately from strong oxidizing agents and strongly alkaline and strongly acidic materials

8.) EXPOSURE CONTROLS/PERSONAL PROTECTION.

INGREDIENT NAME	CES/MEL	8hr TWA	15min STEL
Dichloromethane	MEL	100ppm	300ppm
Butane	CES	600ppm	750ppm

Engineering measures: Provide adequate ventilation to ensure the airborne concentration of substances to which an CES/MEL has been assigned is below that OES/MEL (Occupational Exposures Standard/Maximum Exposure Limit.)

Respiratory protection: Air fed respiratory equipment should be worn when this product is sprayed if the exposure of the sprayer or other people nearby cannot be controlled to below the occupational exposure limit and engineering controls and measures cannot be reasonably be improved.

Hand protection: When skin exposure may occur, advice may be sought from the glove suppliers on appropriate types. Barrier creams may help to protect exposed areas of the skin but are not substitutes for full physical protection. They should not be applied once exposure has occurred.

Eye protection: Eye protection designed to protect against liquid splashes should be worn.

Skin protection: Cotton or cotton/synthetic overalls are normally suitable. Grossly contaminated clothing should be removed and the skin washed with soap and water or a proprietary skin cleaner.

9.) PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Areosol

Appearance: Sticky resin
Odour: Chlorinated hydrocarbon solvent
pH: N/A
Boiling point/boiling range: 39 Deg.C
Melting point/melting range: Deg.C
Flash point: N/A
Flammability: LEL 0.8 (% vol in air @ 25 Deg.C)
UEL 22.0
Autoflammability: >230 Deg.C
Explosive properties: None
Oxidizing properties: None
Can pressure: 2.75 bar
Relative density: N/A
VOC content: 67g/100ml
Solubility-Water: Insoluble
Solubility-Solvent: Soluble in chlorinated hydrocarbons
Other data:

10.) STABILITY AND REACTIVITY

Stability: Stable

Conditions to avoid: Avoid naked flames, red hot surfaces, other high temp. sources that may induce thermal decomposition.

Incompatibility (Materials to avoid): Strong acids/alkalis/oxidizing agents/reactive metals e.g. sodium, potassium, calcium, magnesium, zinc, barium, lithium, molten or powdered aluminium.

Hazardous decomposition products: Hydrogen chloride, Phosgene, Chlorine.

11.) TOXICOLOGICAL INFORMATION

INGREDIENT	LD50 (Animal/oral)
Dichloromethane	3g/Kg(Dog)

There is no data available on the product itself.

Exposure to organic solvent vapours may result in adverse health effects on the renal and central nervous system. Symptoms can include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Splashes in the eyes may cause irritation and reversible local damage.

Dichloromethane (Methylene Chloride) is classified as a Category 3 Carcinogen. Cancerous tumours have been found in some animals to high concentrations of Dichloromethane, but it remains unproven in man. (See HSE Toxicity Review No. 12-Dichloromethane).

Dichloromethane will cause headaches, intoxication and a false sense of well being at levels as low as 500ppm. Over exposure can be fatal.

12.) ECOLOGICAL INFORMATION

There is no data available on the product itself.

The product should not be allowed to enter drains or water courses or be deposited where it can affect ground or surface waters.

The Air Pollution Control requirements of regulations made under the Environmental Protection Act may apply to the use of this product.

Dichloromethane has a low bio-accumulation potential, very low toxicity to fish and is readily biodegradable.

13.) DISPOSAL CONSIDERSTIONS

Do not allow into drains or water courses or dispose of where ground or surface waters may be affected.

Wastes, including emptied containers, are controlled wastes and should be disposed of in accordance with regulations made under the Control Of Pollution Act.

Using the information provided in this data sheet, advice should be obtained from the Waste Regulation Authority whether the special waste regulations apply.

14.) TRANSPORT INFORMATION

CCCN: 3506 91 00
UN no: 1950
IMDG: 2102
Class: 2
ICAO/IATA: 2.2,6.1
RID/ADR: 2,5'T

15.) REGULATORY INFORMATION

Label for supply: HARMFUL
Risk phrases:
40: Possible risk of irreversible effects.

Safety phrases:
2: Keep out of the reach of children
23: Do not breathe vapour/spray
24/25: Avoid contact with skin and eyes
51: Use only in a well ventilated ares

Regulatory references: The Chemicals (Hazard Information and Packaging) Regulations 1994 and CHIP 1996 amendment.

16.) OTHER INFORMATION

The information contained in this sheet is provided in accordance with the requirements of the Chemicals (Hazard Information and Packaging) Regulations. It does not constitute the user's own assessment of workplace risks as required by other health and safety legislation. The provisions of the Health and Safety at Work ect. Act and the Control of Substances Hazardous to Health Regulations apply to the use of this product at work.

The product should not be used for puposes other than thoses shown in section 1 without first referring to the supplier and obtaining written handling instructions. As the specific conditions of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of the relevant legislation are complied with.

CES/MEL values are obtained from the current issue of EH40 unless indicated thus (Sup) when a value has been obtained from the supplier.

Further information and advice can be found in the following publications:

The Control of Substances Hazardous to Health Regulations 1983 (SI 1988: 1657)

Storage of packaged Dangerous Substances, HS (G) 71

The Environmental Protection (Duty of Care) Regulations 1992 (SI 1992: 2839)

The Highly Flammable Liquids and Liquified Petroleum Gases Regulations 1972 (SI 1972: 917)

Storage of Flammable Liquids in Containers, HS (G) 51

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This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with legal regulations. This information contained here in is based on the state of our knowledge and is intended to describe products from the point of view of safety requirements and thus should not be constructed as guaranteeing specific properties. For further information contact the office.