

MATERIAL DATA SHEET

1.) Identification of the substance/preparation and company

Product Name: GRIPPER ADHESIVE
Intended Use: Adhesive

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

Telephone: (01772) 626700
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2.) Composition/Information on ingredients.

INGREDIENT	CAS NO.	HEALTH (Class)	RISK	CONTENTS (R No) (%)
Aliphatic Hydrocarbon (Mixed) Toluene	108-88-3	Xn	20	12-18 5-15

3.) Hazards Identification

Eye Contact: Irritating to eyes.

Skin Contact: 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: Single dose oral toxicity is low. Aspiration may cause rapid absorption via lungs, resulting in injury to other body systems.

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 seek 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 risk of explosion.

Unusual fire and explosion Hazards: Fire will produce dense black smoke containing combustion products, which may be a health hazard. Appropriate self-contained apparatus may be required. Run off from fire must not enter drains.

6.) Accidental Release Measures

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

7.) Handling and Storage

Handling: Vapours are heavier than air and may spread along the floor. 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 exposure limits. Avoid inhalation of vapour and spray mist. Avoid skin and eye contact. Smoking, drinking and eating should be prohibited in areas of use and storage. Good housekeeping standards and regular waste removal will minimize risks of spontaneous combustion and other fire hazards.

Storage: Store separately from strong oxidizing agents and strongly alkaline and strongly acidic materials. Containers, which are opened, should be properly resealed and kept upright to prevent leakage.

8.) Exposure control/personal protection

INGREDIENT	OES/MEL	8hr TWA	15 min STEL
Aliphatic Hydrocarbon (mixed)	OES	250ppm (Sup)	
Toluene	OES	50ppm (Sup)	150ppm(Sk)

Engineering measures: Provide adequate ventilation to maintain the flammable vapour concentration well below the lower explosive limit, (LEL), and ensure the airborne concentration of substances to which an OES, (Occupational Exposure Standard), has been assigned is below that OES.

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 reasonably be improved.

Hand protection: When skin exposure may occur, advice may be sought from glove suppliers on appropriate types. Barrier creams may help to protect exposed areas of 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. (Sk) denotes that product can be absorbed through the skin.

9.) Physical and chemical properties

Physical state: Viscous paste
Appearance: Pale straw
Odour: Hydrocarbon
Ph: N/A
Boiling point/boiling range: 60 degrees C.
Melting point/melting range:
Flash point: -25 degrees C.
Flammability: LEL 1.5 (% vol in air @ 25 degrees C.)
UEL 7.1
Autoflammability: > 250 degrees C.
Explosive properties: None
Oxidizing properties: None
Can pressure: bar
Relative density: 1.3
VOC content:
Solubility – water: Insoluble
Solubility – solvent: Soluble in aliphatic hydrocarbons.
Other data:

10.) Stability and reactivity

Stability: Stable

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

Incompatibility (materials to avoid): Oxidizing agents, strong acids and strong alkalis.

Hazardous decomposition products: In a fire, hazardous decomposition products such as smoke, carbon monoxide, and oxides of nitrogen may be produced.

11.) Toxicological Information

INGREDIENT	LD50 (Animal/Oral)
Toluene	7g/kg (Rat)

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.

Aliphatic hydrocarbon solvent in this product will cause temporary irritation to the eyes. Irritation to the skin caused by its defatting action may lead to dermatitis. Inhalation of high concentrations of vapour will produce headache, nausea, and vomiting and in extreme cases coma. Ingestion will produce nausea and vomiting, diarrhea, drowsiness and pulmonary oedema. Toluene liquid is irritating to the skin and can cause dermatitis. It is absorbed through the skin and may also cause systemic toxicity. Toluene vapour is harmful and may cause systemic toxicity e.g. on the central nervous system resulting in drowsiness, headaches and can lead to un-consciousness. Sense of smell cannot be called upon to detect dangerous concentrations of toluene.

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.

Aliphatic hydrocarbon solvent in this product has low bioaccumulation potential, is not acutely toxic to aquatic organisms and has good biodegradability.

14.) Transport information

CCCN: 3402 90 90

Un no: 1133

IMOG: 3102

Class: 3.1

ICAO/IATA:

RID/ADR:

15.) Regulatory information

Label for supply : HIGHLY FLAMMABLE

Risk phrases: None

Safety phrases:

2: Seek out of the reach of children.

3/7/9: Keep container tightly closed, in a cool, well ventilated area.

16: Keep away from sources of ignition.

51: Use only in well ventilated areas.

Regulatory references: The chemicals (Hazard Information and Packaging) Regulations 1994.

16.) Other Information

The information contained within this data 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 etc. 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 purpose other than those 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.

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

Further advice can be found in the following publications:

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

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

Storage of Flammable Liquids in Containers, HS (s)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. The information contained here in is based on the current state of our knowledge and is intended to describe products from the point of view of safety requirements and thus should not be construed as guaranteeing specific properties. For further information contact the office