

TRADE GRADE PRODUCTS LTD

MATERIAL SAFETY DATA SHEET

1. Identification of the substance / preparation and company.

Revision Date 07/07/2007

Product name DIY Contact Adhesive

Supplier Trade Grade Products Limited

Address 10 Victory Close
Woolsbridge Industrial Park
Three Legged Cross
Wimborne
Dorset
BH21 6SX

Emergency telephone number 01202 820177

2. Composition / Information on Ingredients.

Product is based on a high quality chloroprene contact type adhesive containing highly flammable solvents.

<u>Ingredient Name</u>	<u>Content %</u>	<u>Health (Class)</u>	<u>Risk (R No)</u>
Hexane Mixture of isomers <i>Max 5% n-Hexane (CAS 110-54-3 / Einecs 203-777-6)</i>	5-10%	Xn, F, N	R11, R38, R51/53, R65, R67
Methylcyclohexane (CAS 108-87-2 / Einecs 203-624-3)	1-5%	Xn, F, N	R11, R38, R51/53, R65, R67
Heptane (CAS 142-82-5 / Einecs 205-563-8)	10-30%	Xn, F, N	R11, R38, R50/53, R65, R67
Acetone (CAS 67-64-1 / Einecs 200-662-2)	10-30%	Xi, F	R11, R36, R66, R67
*Rosin (CAS 8050-09-7 / Einecs 232-475-7)	0.1-1%	Xi	R43

3. Hazards Identification.

Highly flammable.

Harmful: Danger of serious damage to health by prolonged exposure through inhalation.

Irritating to eyes and skin.

Possible risk of harm to the unborn child.

Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

Vapours may cause drowsiness and dizziness.

Classification: Xn;R48/20. Rep 3; R63. Xi;R36/38. F;R11. N;R51/53, R67

4. First Aid Measures.

Skin	Remove the affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if irritation persists after washing.
Eye	Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Contact physician if irritation persists.
Ingestion	DO NOT INDUCE VOMITING. Rinse mouth thoroughly. Provide rest, warmth and fresh air. Get medical attention immediately.
Inhalation	Move the exposed person to fresh air at once. If breathing stops, provide artificial respiration. Keep the affected person warm and at rest. Get prompt medical attention.

5. Fire-fighting Measures.

Extinguishing media	Use foam, dry chemicals, sand, dolomite, etc
Explosion hazard	Risk of drums bursting in a fire causing explosion. Keep containers cool by spraying with water.
Special exposure hazards	Solvent vapours may cause explosive mixtures with air. Vapours are heavier than air and may spread near ground to sources of ignition.
Personal protection	Wear self contained breathing apparatus.

6. Accidental Release Measures.

Fire hazard	Remove all sources of ignition. Do not smoke.
Personal protection	Avoid contact with skin and eyes and avoid breathing the vapours. Wear goggles, gloves and respiratory protection where there is a risk of exposure to high vapour concentrations.
Environmental precautions	Prevent liquid entering sewers, basements and work pits where vapour may create an explosive atmosphere. If substance has entered drains inform police or fire service.
Clean up of spillages	Absorb on to earth or sand and remove to suitable place for subsequent disposal.

7. Handling and Storage.

Handling	Avoid inhaling vapour, avoid contact with skin and eyes. Ensure adequate ventilation or exhaust ventilation in the working area. All storage and transfer systems should be earthed to prevent build up of static electricity.
Storage	Store in accordance with the highly flammable liquids regulations. Temperatures in storage areas should not exceed 30°C. Drums should always be tightly closed after use.

8. Exposure Controls / Personal Protection.

Exposure limit

	<u>STD</u>	<u>LT ppm</u>	<u>LT mg/m³</u>	<u>ST ppm</u>	<u>ST mg/m³</u>
Heptane	WEL	500 ppm			
Acetone	WEL	500 ppm	1210mg/m ³	1500 ppm	3620mg/m ³
Respiratory protection	Wear respiratory equipment where there is a risk of exposure to high vapour concentrations, i.e. above OES.				
Hand protection	Wear plastic or rubber gloves.				
Eye protection	Wear chemical resistant goggles.				
Body protection	Wear protective clothing.				

9. Physical and Chemical Properties.

Appearance	Amber to light brown
Boiling point (interval)	56°C – 118°C
Flash point	< -18°C
Flammability	Highly flammable
Flammability limit – Lower %	1.2
Flammability limit – Upper %	13
Auto ignition temperature	220°C
Viscosity @ 25°C	4000 cps
Service temperature	-20°C to +75°C
Dry tack time	Up to 20 minutes at 20°C
Solubility	Immiscible in water.
Shelf life	12 months when stored as recommended in original unopened containers.

10. Stability and Reactivity.

Although the preparation is stabilised, halogenated polymers can undergo dehydrohalogenation especially at elevated temperatures with the possible liberation of corrosive hydrochloric acid fumes.

11. Toxicological Information.

Eyes	Irritating to eyes.
Skin	Product has a defatting effect on skin.
Inhalation	Irritation of the respiratory tract. Vapours cause nausea, sickness and headaches.
Ingestion	Low acute toxicity, may cause gastrointestinal irritation and central nervous system depression leading to unconsciousness. Aspiration into the lungs may cause chemical pneumonia and lung damage.
General	Contains Toluene which is suspected of causing harm to the unborn child.

12. Ecological Information.

Persistence and degradability	Toluene is readily biodegradable, it will float on water but evaporates readily.
Bioaccumulation	Toluene has low potential to bioaccumulate.
Ecotoxicity	Toluene is slightly toxic to aquatic organisms but harmful to mammalian wildlife.

13. Disposal Consideration.

Disposal of the wet adhesive is governed by the Control of Pollution (Special Wastes) Regulations 1980.

Non-recoverable waste should be disposed of via a licensed waste disposal contractor.




Dried material is non hazardous. Product and container are classed as hazardous waste.

Waste Class: H3-A EWC Code: 08 04 09 In the UK refer to Hazardous Waste Regulations 2005

14. Transport Information.

UN Number	1133	
CHIP label for conveyance	Adhesive containing flammable liquid.	
ADR Class	Class 3: Flammable liquids	ADR Label: 3
IMDG Class	3.1	Packing Group: III
Marine pollutant	No	
ICAO Class	3	Packing Group: III

15. Regulatory Information.

CHIP label for supply			
	HIGHLY FLAMMABLE	HARMFUL	DANGEROUS FOR THE ENVIRONMENT
Classification	F and Xn		
CHIP Risk phrases	R11 R20 R36/38 R51/53 R63	Highly flammable. Harmful by inhalation. Irritating to eyes and skin. Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment. Possible risk of harm to the unborn child.	
CHIP Safety phrases	S9 S16 S24/25 S26 S29 S33 S51 S61 P14	Keep containers in a well ventilated place. Keep away from sources of ignition. NO SMOKING. Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Do not empty into drains. Take precautionary measures against static discharge. Use only in well ventilated areas. Avoid release to the environment. Refer to special instructions / safety data sheet. Contains P-Tert-Butylphenol and Rosin. May produce an allergic reaction.	
Regulatory references	CHIP Regulations 1990, Highly Flammable Liquids Regulations 1972, Health and Safety at Work Act 1974, COSHH Regulations 1988.		

16. Other Information.

User notes	This adhesive should be used in accordance with the suppliers recommendations.
Information sources	CHIP Approved Supply List. CHIP Approved Guide to the Classification and Labelling of Substance and Preparations dangerous for supply. CHIP Approved Carriage List. Raw Materials Suppliers Literature. Occupation Exposure Limits 1994 (EH40).
Other information	The information provided in this data sheet is based on our current knowledge of the product and is intended to describe it for the purpose of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.
Revision	1.2 July 2007
Revision Details	Changes to sections 2,3 and 13.