

TRADE GRADE PRODUCTS LTD

MATERIAL SAFETY DATA SHEET

1. Identification of the substance / preparation and company.

Product name	Tradegrip D96
Supplier	Trade Grade Products Limited
Address	2 Thorne Way Woolsbridge Industrial Park Three Legged Cross Wimborne Dorset BH21 6FB
Emergency telephone number	01202 820177

2. Composition / Information on Ingredients.

<u>Material description</u>	<u>CAS No.</u>	<u>EINECS No.</u>	<u>% Content</u>	<u>Health (class)</u>	<u>Risk (R No.)</u>
Dichloromethane	75-09-2	200-838-9	30 - 60	Xn	R40
Ethyl acetate	141-78-6	205-500-4	< 5	F	R11
Acetone	67-64-1	200-662-2	< 5	F	R11
Aliphatic hydrocarbons	---	---	< 5	Xn	R65

3. Hazards Identification.

Main hazards	Harmful vapour.
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4. First Aid Measures.

Skin contact	Remove all contaminated clothing and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Transfer to hospital if there are burns or symptoms of poisoning.
Eye contact	Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.
Ingestion	DO NOT induce vomiting. Give 1 pint of water to drink immediately.
Inhalation	Ensure the casualty sits or lies down. If breathing becomes bubbly, have the casualty sit and provide oxygen if available. Transfer to hospital immediately.

5. Fire-fighting Measures.

Extinguishing media	Water fog or alcohol resistant foam.
Exposure hazard	In combustion emits toxic fumes (hydrogen chloride with small amounts of chlorine and phosgene).
Personal protection	Wear self-contained breathing apparatus.

6. Accidental Release Measures.

Personal precautions	Ventilate the area. If necessary wear self-contained breathing apparatus. Note; the vapour is heavier than air and will collect in low areas.
Environmental precautions	Prevent the liquid entering drains, sewers or waterways. If the substance enters drains, sewers, etc inform the police or fire service. Contain the spillage using bunding.
Clean up of spillages	Absorb into dry earth, sand, sawdust, etc. and store in a closed <u>metal</u> container for subsequent disposal. Wash the spillage site with large amounts of clean water.

7. Handling and Storage.

Handling	Ensure that there is sufficient ventilation in the work place. Avoid breathing the vapour. The vapour is heavier than air and will collect in low places. Do not enter without breathing apparatus.
Storage	Store in a cool, dry, well ventilated place. Keep containers tightly closed.
Packaging materials	Must only be stored and used in original packaging. DO NOT store in aluminium, magnesium, zinc or their alloys, or with rubbers or plastics.

8. Exposure Controls / Personal Protection.

Exposure limits	
Dichloromethane	100 ppm / 350 mg/m ³ (8 hours) 300 ppm / 1060 mg/m ³ (15 minutes)
Acetone	750 ppm / 1810 mg/m ³ (8 hours) 1500 ppm / 3620 mg/m ³ (15 minutes)
Ethyl acetate	400 ppm (8 hours / Ref:EH40/97)
Aliphatic hydrocarbons	300 ppm (8 Hours)
Ventilation	Ensure good ventilation by means of local extraction at point of use.
Respiratory protection	Wear respiratory protection where there is a risk of exposure to concentrations above OEL (occupational exposure limit). Self-contained breathing apparatus must be available for emergencies.
Hand protection	Wear plastic or rubber gloves. Avoid skin contact.
Eye protection	Wear chemical resistant goggles.
Skin protection	Wear protective clothing with elasticised cuffs and closed neck. Boots made of PVC. Ensure safety shower is available for emergencies. Avoid skin contact.
Personal hygiene	Apply skin protection crème before handling. Remove contaminated clothing. Wash hands before breaks and at the end of work.

9. Physical and Chemical Properties.

Appearance	Light brown liquid
Odour	Sweet odour
Density	1.1 g/ml (approx)
Solids content	35% (approx)
Boiling point (initial)	39°C
Vapour pressure	340 mm/Kg
Vapour density @ 20°C	2.93 (air = 1)
Solubility in water	2%

10. Stability and Reactivity.

Stability	Stable if used and stored in accordance with the manufacturers recommendations.
Conditions to avoid	Heat.
Materials to avoid	Aluminium, amines, magnesium, zinc, alcohols, strong alkalis, oxidising agents, concentrated nitric acid and amines. Thermal degradation produces hydrogen chloride and small amounts of chlorine and phosgene. Slow hydrolysis with moisture forms hydrochloric acid.
Hazardous decomposition products	In combustion, emits toxic fumes of hydrogen chloride and phosgene.

11. Toxicological Information.

Eye contact	Contact with eyes gives irritation and pain with possible corneal damage.
Skin contact	Contact with skin has a defatting action leading to dermatitis.
Inhalation	Inhalation for prolonged periods produces signs of narcosis and may be fatal. Headaches, etc may be caused with concentrations of 500 ppm.
Ingestion	Dichloromethane is a Category 3 Carcinogen.

12. Ecological Information.

Contamination of wildlife both marine and mammalian should be avoided.

13. Disposal Consideration.

Dispose of in a regulated landfill site or other method for hazardous or toxic wastes.

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

14. Transport Information.**ADR / RID**

UN Number	2810	ADR Class	6.1 15o(c)
Hazard ID #	60	Labelling	6.1
Shipping name	TOXIC LIQUID, ORGANIC, N.O.S. (Dichloromethane)		

IMDG / IMO

UN Number	2810	Class	6.1
Packing group	III	EmS	6.1-02
Marine pollutant	Yes	Labelling	6.1

IATA / ICAO

UN Number	2810	Class	6.1
Packing group	III	Packing instructions	618
Quantity	220 Litres	Labelling	6.1

15. Regulatory Information.

CHIP Label for supply



HARMFUL

Contains: Dichloromethane

CHIP Risk phrases	R36 R40 R66 R67	Irritating to eyes. Irritating to eyes and respiratory system. Repeated exposure may cause skin dryness or cracking. Vapours may cause dizziness or drowsiness.
CHIP Safety phrases	S23 S24 S36/37 S45	Do not breathe vapour. Avoid contact with skin. Wear suitable protective clothing and gloves. In case of accident or if you feel unwell, seek medical advice immediately (show the label if possible).
Regulatory references	CHIP Regulations 1996, Health and Safety at Work Act 1974, COSHH Regulations 1994	

16. Other Information.

Other information This adhesive should be used in accordance with the supplier's recommendations.

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.

Information sources
 CHIP Approved supply list.
 CHIP Approved guide to the classification and labelling of substances and preparations dangerous for supply.
 CHIP Approved carriage list.
 Raw materials suppliers' literature.
 Occupational exposure limits 1994 (EH40).