

TRADE GRADE PRODUCTS LTD

MATERIAL SAFETY DATA SHEET

1. Identification of the substance / preparation and company.

Product name Tradegrip SAN 44 HS

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.

Preparation description Synthetic rubber based adhesive in non-flammable solvents..

Dangerous components / constituents

<u>CAS / Registry no.</u>	<u>Material description</u>	<u>% Content</u>	<u>Symbol</u>	<u>R Phrases</u>
200-838-9	Dichloromethane	50-60	Xn	R40
201-159-0	Butan-2-one	< 2	F, Xi	R11 R36/37

3. Hazards Identification.

Inhalation Possible risk of irreversible effects. Methylene chloride is not believed to pose a measurable carcinogenic risk to man when handled as recommended.

Skin contact Prolonged or repeated exposure may cause skin irritation.

Eye contact Vapours may irritate eyes.

Ingestion Single dose oral toxicity is low. LD50 for rats > 1500mg/kg

4. First Aid Measures.

Inhalation Move the affected person to fresh air and allow to rest. If patient is slow to recover or unconscious, obtain medical attention immediately.

Skin Remove from the skin with plenty of soap and water. Remove contaminated clothing. If irritation persists seek medical advice.

Eye Irrigate with clean water for at least 15 minutes. Seek medical attention.

Ingestion **DO NOT INDUCE VOMITING.** Drink plenty of water and seek medical attention.

5. Fire-fighting Measures.

Specific hazards The solvent system is non flammable. In case of fire; possible formation of carbon monoxide, hydrogen chloride and traces of phosgene may occur.

Extinguishing media Carbon dioxide, dry chemical or sand. Keep drums cool by spraying with water.

Unsuitable extinguishing media Do not use water extinguisher.

Protective equipment Wear self-contained breathing apparatus.

6. Accidental Release Measures.

Environmental precautions	Do not discharge into sewers.
Clean up method – small spillage	Extinguish all naked lights and allow maximum ventilation to the spillage area. Use sand, barrier, etc. to contain the spillage and prevent entry into drainage systems. The spillage should be moved to a clean container for subsequent disposal. Ensure maximum ventilation to the work area as the solvent fumes are heavier than air and there could be high concentrations at floor level.

7. Handling and Storage.

Handling	Ensure adequate ventilation to keep the solvent fumes below statutory levels. A correctly designed spray booth is recommended.
Storage	Store above 10°C and below 25°C in a dry and well ventilated area.

8. Exposure Controls / Personal Protection.

Occupational exposure limits	
Butan-2-one	(OES) 200ppm 590mg/m ³ 8 Hours TWA
Dichloromethane	(MEL) 100ppm * Hours TWA
Respiratory protection	Local exhaust is recommended in confined areas. Organic vapour mask required if the occupational exposure limit is likely to be exceeded.
Skin protection	Chemical resistant gloves.
Eye protection	Safety goggles.

9. Physical and Chemical Properties.

Appearance	Buff
Odour	Chlorinated Hydrocarbon
Flash point	Above 60°C
% Non-volatiles	37-41% Approx.
Specific gravity	1.15 @ 20°C Approx.
Solubility	Immiscible with water.
Viscosity	600cps @ 20°C Approx.

10. Stability and Reactivity.

Stability	Polymerises at about 260°C with evolution of CO ² .
Hazardous decomposition	No hazardous decomposition products when stored and handled correctly. When heated above 600°C the solvent will decompose evolving carbon monoxide, hydrogen chloride and small amounts of phosgene.
Material to avoid	Amines, Aluminium and Magnesium. Do not use aluminium in the construction of any application equipment.
Hazardous decomposition products	Exothermic reaction with amines, alcohols, acids and alkalis. Reacts with water forming CO ² . Closed containers may rupture owing to increased pressure.

11. Toxicological Information.

No information available.

12. Ecological Information.

Degradability	Dichloromethane is expected to biodegrade only very slowly (environment) and biodegradation rate is expected to increase in soil and water. Degradation is expected in the atmospheric environment.	
Aquatic toxicity	Dichloromethane:	Acute LC50 for Flathead minnow 193-330mg/L Acute LC50 for Flea Daphnia magna 27mg/L
	Material is hazardous to aquatic organisms. Do not allow to enter drains, sewers or water courses.	

13. Disposal Consideration.

Incinerate only in officially approved incinerator. Empty containers which have completely dried out (have no remaining solvent odour) may be disposed of as normal waste providing the hazard warning signs have been removed.

14. Transport Information.

Supply label	HARMFUL	
UK	UN2810 Packing class 6.1 Transport category 3	
IMO	PSN Toxic liquid, organic, nos, (Dichloromethane) Class 6.1 UN2810 Group III Flashpoint 70°C EmS 6.1-02	
ADR	2810, Toxic liquid, organic, nos, (Dichloromethane) Class 6.1, III, ADR	

15. Regulatory Information.

Labelling	Harmful Contains: Dichloromethane	
Risk phrases	R40	Possible risk of irreversible effects.
Safety phrases	S23 S24/25 S36/37	Do not breathe vapour. Avoid contact with skin and eyes. Wear suitable protective clothing and gloves.

16. Other Information.

Date issued	01 March 2002
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.