

TRADE GRADE PRODUCTS LTD

MATERIAL SAFETY DATA SHEET

1. Identification of the substance / preparation and company.

Product name	Tradegrip SAF 20 TX
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>
Toluene	108-88-3	203-625-9	30-80	Xn, F	R11, R20
Ethyl acetate	141-78-6	205-500-4	10-30	Xi, F	R36, R66/67
Pentane	109-66-0	203-692-4	0-1	Xn, Fx, N	R12, R51/53, R65, R66/67
Heptane and isomers			10-30	Xn, Xi, F	R11, R38, R50/53, R65, R67
Methylcyclohexane	108-87-2	203-624-3	1-5	Xn, F, N	R11, R38, R51/53, R65, R67
Cyclopentane			1-5	F	R11, R52/53
Hexane, mixture of isomers			5-10	Xn, Xi, F, N	R11, R38, R51/53, R65, R67

3. Hazards Identification.

Highly flammable. Harmful by inhalation. Irritating to skin. Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment. Harmful: may cause lung damage if swallowed.

Vapours are heavier than air and can travel long distances to a source of ignition. Pilot light can ignite vapours.

4. First Aid Measures.

Skin	Toluene vapour and liquid are moderate skin irritants. Prolonged or repeated contact can give rise to severe irritation or cause dermatitis. Wash contaminated skin immediately with hand cleaner or soap and water. Get medical attention if irritation persists after washing.
Eye	Flush with water for at least 15 minutes under running water with eyelids held open and obtain medical attention.
Ingestion	DO NOT INDUCE VOMITING. Obtain medical attention urgently.
Inhalation	Remove the victim immediately from the source of exposure. Move the exposed persons to fresh air at once. Get medical attention.

5. Fire-fighting Measures.

Extinguishing media	Powder, foam, water spray, water fog, water mist. DO NOT use water jet.
Hazardous combustion products	Toxic gas/vapours/fumes of carbon dioxide (CO ²) and carbon monoxide (CO).
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>Long term exposure</u>	<u>Short term exposure</u>
Toluene	OES	50 ppm	150 ppm
Ethyl acetate	OES	200 ppm	400 ppm
Pentane	OES	600 ppm	750 ppm
Methylcyclohexane	OES	400 ppm	500 ppm

Respiratory protection	Wear respiratory equipment where there is a risk of exposure to high vapour concentrations, i.e. above OES. Wear mask supplied with: Gas cartridge (organic substances).
Hand protection	Wear plastic or rubber gloves.
Eye protection	Wear chemical resistant goggles.
Body protection	Wear protective clothing.
Hygiene practices	Wash promptly if skin becomes contaminated. Wash at the end of each work shift and before eating, smoking and going to the toilet. DO NOT smoke in the work area. No eating or drinking while working with this material. Use appropriate barrier cream to prevent defatting and cracking of the skin.

9. Physical and Chemical Properties.

Appearance	Thixotropic gel		
Colour	Off white to amber		
Odour	Organic solvents		
Boiling point	60°C (interval)	Pressure	760 mmHg
Specific gravity / Density	0.9 g/cl	Temperature	25°C
Flashpoint	-25°C	Method	Closed cup
Shelf life	12 months when stored as recommended in original unopened containers.		

10. Stability and Reactivity.

Stability	Avoid heat, sparks, flames.
Hazardous decomposition products	Toxic gas/vapours/fumes of carbon dioxide (CO ²) and carbon monoxide (CO).

11. Toxicological Information.

Eyes	Irritating to eyes.
Skin	Mild irritant but prolonged contact can cause more severe effects such as dermatitis.
Inhalation	Irritation of the respiratory tract. High concentrations may depress central nervous system (CNS) with a loss of consciousness.
Ingestion	Harmful: may cause lung damage if swallowed.

12. Ecological Information.

Ecological	Dangerous for the environment if discharged into watercourses.
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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.

14. Transport Information.

UN Number	1133	UK Road Class	3
Packing group	III	ADR Class No	3
ADR Class	Class 3: Flammable liquids.	CEFIC TEC(R) No	30GF1-III,30GF1-sp
HazChem code	3Y	Proper shipping name	ADHESIVES.

15. Regulatory Information.

CHIP label for supply			
	HIGHLY FLAMMABLE	HARMFUL	DANGEROUS TO THE ENVIRONMENT
Contains	TOLUENE / HEPTANE AND ISOMERS		
CHIP Risk phrases	R11 R20 R36/37 R51/53	Highly flammable. Harmful by inhalation. Irritating to eyes and respiratory system. Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment. R65 Harmful: may cause lung damaged if swallowed.	
CHIP Safety phrases	S9 S16 S23 S25 S29 S33 S51 S61	Keep containers in a well ventilated place. Keep away from sources of ignition. NO SMOKING. Do not breath vapour. Avoid contact with eyes. Do not empty into drains. Take precautionary measures against static discharge. Use only in well ventilated areas. Avoid release to the environment.	
Regulatory references	CHIP Regulations 1990, Highly Flammable Liquids Regulations 1972, Health and Safety at Work Act 1974, COSHH Regulations 1988.		

16. Other Information.

Revision date	Dec 2003
User notes	This adhesive should be used in accordance with the suppliers recommendations.
Information sources	<p>CHIP Approved Supply List.</p> <p>CHIP Approved Guide to the Classification and Labelling of Substance and Preparations dangerous for supply.</p> <p>CHIP Approved Carriage List.</p> <p>Raw Materials Suppliers Literature. Occupation Exposure Limits 1994 (EH40).</p>
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.