

# TRADE GRADE PRODUCTS LTD

## MATERIAL SAFETY DATA SHEET

### 1. Identification of the substance / preparation and company.

Product name	TradeGrip GP - SAF 10
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.

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>
Butanone	9-11%	F. Xi	R11 - R36/37
Toluene	35-40%	F. Xn	R11 - R20
Mixed Aliphatic Hydrocarbons	24 - 28%	F.	R11

### 3. Hazards Identification.

Highly flammable.  
Harmful by inhalation.  
Irritating to eyes and respiratory system.

### 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.
Eye	Toluene vapour can irritate eyes and splashed liquid can cause irritation and transient mild conjunctivitis. Flush with water for at least 15 minutes under running water with eyelids held open and obtain medical attention.
Ingestion	<b>DO NOT INDUCE VOMITING.</b>  The main hazard of swallowing toluene or butanone is aspiration into the lungs and consequent chemical pneumonia. Obtain medical attention urgently.

### 5. Fire-fighting Measures.

Extinguishing media	Water spray, foam, dry extinguishing powder, carbon dioxide.
Explosion hazard	Risk of drums bursting in a fire causing explosion. Keep containers cool by spraying with water.
Special exposure hazards	Preparation contains halogenated polymers which may give rise to toxic and corrosive combustion products such as hydrogen acid.
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			
	<b><u>STD</u></b>	<b><u>Long term exposure</u></b>	<b><u>Short term exposure</u></b>
Butanone	OES	200 ppm – 600 mg/m <sup>3</sup>	300 ppm – 900 mg/m <sup>3</sup>
Toluene	OES	50 ppm – 180 mg/m <sup>3</sup>	150 ppm – 560 mg/m <sup>3</sup>
Mixed hydrocarbons	OES	250 ppm	
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	Butanone                    80°C Toluene                      110°C Mixed hydrocarbons      70 – 90°C
Flash point	< -18°C
Flammability	Highly flammable
Viscosity @ 25°C	40 P (Brookfield Viscometer model RVT, Spindle 4, Speed 20)
Service temperature	-20°C to +75°C
Dry tack time	Up to 20 minutes at 20°C
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.**

LD50 oral (rats)	Butanone	3.98 g/kg
	Toluene	5.5 g/kg
LD50 Dermal (rabbits)	Butanone	> 8 ml/kg
	Toluene	4600 ppm
Eyes	Prolonged exposure to the product may result in conjunctive irritation and corneal damage.	
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	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.	

**12. Ecological Information.**

Mobility	Not known	
Persistence and degradability	Butanone is very readily biodegradable, the main hazard in surface waters being oxygen depletion.  Toluene is readily biodegradable, it will float on water but evaporates readily.	
Bioaccumulation	Butanone does not bioaccumulate and toluene has low potential to bioaccumulate.	
Ecotoxicity	Butanone is considered to be an insignificant toxic hazard to aquatic organisms and at most slightly toxic to mammalian wildlife.  Toluene is only 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.

**14. Transport Information.**

UN Number	1133
CHIP label for conveyance	Highly flammable Harmful by inhalation

**15. Regulatory Information.**

HIGHLY  
FLAMMABLE

CHIP label for supply		
Classification	F and Xn	
CHIP Risk phrases	R11 R20 R36/37	Highly flammable. Harmful by inhalation. Irritating to eyes and respiratory system.
CHIP Safety phrases	S9 S16 S23 S25 S29 S33 S51	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.
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.