

TRADE GRADE PRODUCTS LTD

MATERIAL SAFETY DATA SHEET

1. Identification of the substance / preparation and company.

Product name	TradeGrip SAF 88
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>% Content</u>	<u>Health (class)</u>	<u>Risk (R No.)</u>
Acetone	67-64-1	60 – 100%	F, Xi	R11, R36 R66, R67

3. Hazards Identification.

Skin contact	Irritating to skin. May cause sensitisation by skin contact.
Eye contact	Vapours may irritate eyes.
Ingestion	Harmful by ingestion.
Inhalation	Harmful by inhalation and irritating to the upper respiratory tract. Exposure to levels in excess of OEL may result in dizziness, loss of coordination or even unconsciousness.
Environmental	Highly flammable.

4. First Aid Measures.

Inhalation	If vapour has been inhaled in high concentrations move the affected person to fresh air, keep them warm and allow to rest. If there is difficulty breathing medical attention should be sought immediately.
Skin	Vapour and liquid are moderate skin irritants. Prolonged or repeated contact can give rise to severe irritation or cause dermatitis. Remove contaminated clothing immediately. Rinse affected skin with plenty of soap and water, using a mild cleaning agent. If irritation persists obtain medical attention.
Eye	Vapour can irritate the eyes and splashed liquid can cause irritation and transient, mild conjunctivitis. Immediately flush eyes with running water for at least 15 minutes without interruption. Obtain medical attention.
Ingestion	DO NOT INDUCE VOMITING. The main hazard of swallowing Toluene or Acetone is aspiration in to the lungs and consequent chemical pneumonitis. Obtain medical attention urgently.

5. Fire-fighting Measures.

Extinguishing media	Fire fight with water spray, foam, dry chemical powder or carbon dioxide. Do not use water jets.
Explosion hazard	Risk of drums bursting in a fire, causing explosion. Keep drums cool by spraying with water.
Special exposure hazards	Preparation contains halogenated polymers which may give rise to toxic and corrosive combustion products such as hydrochloric acid. Other toxic products evolved will be carbon monoxide, carbon dioxide and nitrogen compounds including hydrogen cyanide.
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 the liquid entering drains, sewers or waterways. Prevent the liquid from entering basements or work-pits where vapours may create an explosive atmosphere. If the substance enters drains, sewers, etc inform the police or fire service.
Clean up of spillages	Absorb liquid in sand or earth and then remove to a suitable place for subsequent disposal.

7. Handling and Storage.

Handling	Avoid inhaling vapours / spray, avoid contact with skin and eyes. Handle in a well ventilated area. All storage and transfer systems should be earthed to prevent the build up of static discharges.
Storage	Store in accordance with the Highly Flammable Liquids Regulations. Keep containers tightly closed and dry. Avoid temperatures below 10°C and above 25°C. Drums should always be tightly closed after use.
Packaging materials	Mild steel, stainless steel. Many plastics are unsuitable.

8. Exposure Controls / Personal Protection.

Exposure limits	<u>STD</u>	<u>Long term</u>	<u>Short term</u>
Acetone	OES	750ppm – 1780mg/m ³	1500ppm – 3560mg/m ³
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).		
Hand protection	Wear plastic or rubber gloves.		
Eye protection	Wear chemical resistant goggles.		
Skin protection	Wear protective clothing.		

9. Physical and Chemical Properties.

Appearance	Clear liquid	
Odour	Acetone, Ketone	
Boiling point	Acetone	56°C
Flash point	-20°C (closed cup)	
Flammability	Highly flammable liquid	
Auto ignition temperature	465°C (Acetone)	
Explosive limits in air % v/v	Lower	1.8
	Upper	13.0
Viscosity @ 20°C	3300 cP (approx.)	
Vapour pressure @ 20°C Kpa	Acetone	24.1
Relative density @ 20°C	0.86	
Solubility	Water	Soluble.
	Fat	Soluble in hydrocarbons, ketones and esters.

10. Stability and Reactivity.

Stability	Stable and un-reactive at normal temperatures and conditions.
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 (rat)	Acetone	3.98 g/kg
LD50 Dermal (rabbit)	Acetone	> 8.0 ml/kg
Eye contact	May cause conjunctive irritation and corneal damage.	
Skin contact	Mild irritant but prolonged contact can cause more severe effects such as dermatitis.	
Inhalation	Irritation of the respiratory tract. High concentrations may depress CNS leading to unconsciousness.	
Ingestion	Low acute toxicity, may cause gastrointestinal irritation and CNS depression leading to unconsciousness. Aspiration in to the lungs may cause chemical pneumonia and lung damage.	

12. Ecological Information.

Mobility	Not known.
Persistence and degradability	Acetone is very readily biodegradable, the main hazard in water being oxygen depletion.
Bioaccumulation	Acetone does not bioaccumulate.
Ecotoxicity	Acetone is considered to be an insignificant toxic hazard to aquatic organisms and at most slightly toxic 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.

14. Transport Information.

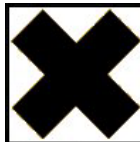
UN Number	1993	UN Class	3
CHIP Label for conveyance	FLAMMABLE LIQUID N.O.S	UN Packing group	II

15. Regulatory Information.

CHIP Label for supply



HIGHLY FLAMMABLE



HARMFUL

CHIP Risk phrases	R11	Highly flammable.
	R20	Harmful by inhalation.
	R36	Irritating to eyes.
	R66	Repeated exposure may cause skin dryness and cracking.
	R67	Vapours may cause drowsiness and dizziness.
CHIP Safety phrases	S9	Keep containers in a well ventilated place.
	S16	Keep away from sources of ignition. NO SMOKING.
	S23	Do not breathe vapour.
	S25	Avoid contact with eyes.
	S29	Do not empty into drains.
	S33	Take precautionary measures against static discharges.
	S51	Use only in well ventilated areas.
S60	This material and its container must be disposed of as hazardous waste.	
Regulatory references	CHIP Regulations 1996. Highly Flammable Liquids Regulations 1972. 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.