

TRADE GRADE PRODUCTS LTD

MATERIAL SAFETY DATA SHEET

1. Identification of the substance / preparation and company.

Product name Cyano-Activator Aerosol

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 Description

Dangerous components / constituents

<u>CAS / Registry no.</u>	<u>Material description</u>	<u>% Content</u>	<u>Health (class)</u>	<u>Risk (R No.)</u>
74-98-6	PROPANE	10-20	F+	R12
106-97-8	BUTANE / ISOBUTANE	10-20	F+	R12
142-82-5	HEPTANE	30-60	F	R11
99-97-8	N,N-DIMETHYL-P-TOLUIDINE	<1	T	R23/25 R33
67-64-1	ACETONE	10-20	F	R11
108-88-3	TOLUENE	<0.5	F, Xn	R11 R20

3. Hazards Identification.

Human health hazards Solvent will have a de-fatting action on the skin making it more susceptible to dermatitis and sensitisation. Inhalation of vapours may cause headaches or dizziness. Solvent abuse can kill instantly.

Environmental hazards This product is Extremely Flammable.
Pressurised container.

4. First Aid Measures.

Inhalation Remove affected person to fresh air at once. Perform artificial respiration if breathing has stopped. Keep affected person warm and at rest. Get prompt medical attention.

Skin Promptly wash contaminated skin with soap or mild detergent and water and apply replenishing cream if necessary. Promptly remove clothing if soaked through and was as above.

Eye Promptly wash eyes with plenty of water for at least 15 minutes, while lifting the eye lids. Get prompt medical attention.

Ingestion Rinse mouth thoroughly. Do not induce vomiting. Get medical attention immediately.

5. Fire-fighting Measures.

Specific hazards	Makes explosive mixtures with air. EXTREMELY FLAMMABLE. May explode in a fire. May travel considerable distance to source of ignition and flash back.
Extinguishing media	Water spray, fog or mist, carbon dioxide (CO ₂), foam.
Unusual explosion hazards	Water may be ineffective but use to keep fire-exposed containers cool. If a leak or spill has not ignited, use water spray to disperse vapours and protect men stopping the leak. Water spray may be used to flush spills away and dilute spills to non-flammable mixtures. Warn fire-fighters that aerosols are involved.

6. Accidental Release Measures.

Environmental precautions	Extinguish all sources of ignition. Avoid sparks, flames, heat and smoking. Ventilate area.
Clean up method – small spillage	Confine spill. Absorb in vermiculite, dry sand or earth and place into containers. Collect and reclaim or dispose in sealed containers in licensed waste.

7. Handling and Storage.

Handling	Keep away from heat, sparks and open flame. No smoking. Read and follow manufacturer recommendations. Do not spray near a naked flame or any incandescent material. Vapours should be extracted to avoid inhalation.
Storage	Flammable/combustible. Store at moderate temperatures in dry well ventilated area. Keep away from heat, sparks and open flame. Protect from sunlight and do not expose to temperatures exceeding 50°C.

8. Exposure Controls / Personal Protection.

<u>Ingredient name</u>	<u>CAS No</u>	<u>STD</u>	<u>LT EXP (8 hrs)</u>	<u>ST EXP (10 min)</u>
PROPANE	74-98-6		Asphyxiate	Asphyxiate
BUTANE/ISOBUTANE	106-97-8	OEL	600 ppm	750 ppm
N,N-DIMETHYL-P-TOLUIDINE	99-97-8	---	Non assigned	Non assigned
HEPTANE	142-82-5	OEL	400 ppm	500 ppm
ACETONE	67-64-1	OES	750 ppm	1500 ppm
TOLUENE	108-88-3	OEL	50 ppm(sk)	150 ppm(sk)

Protective equipment



Respiratory protection	No specific ventilation requirements noted, except this product must not be used in a confined space without good ventilation. If, following workplace assessment, OEL is likely to be exceeded due to use where natural ventilation is insufficient suitable respirator with organic vapour cartridge must be worn.
Hand protection	In circumstances where there is potential for prolonged or repeated skin contact, the use of polyvinyl chloride, polyethylene or nitrile rubber gauntlets or equivalent solvent resistant gloves is recommended.
Eye protection	Wear splash-proof eye goggles to prevent possibility of eye contact.
General	Do not smoke when using this product.

9. Physical and Chemical Properties.

Physical state	Aerosol container containing a mixture of active ingredients, solvents and propellants.
Colour	Colourless.
Odour	Solvent.
Flash point	A Flash Point method is not available for aerosols but the major hazardous component, the propellant, has a Flash Point of <40°C with Flammability limits of 9.5% vol. Upper and 1.8% vol. Lower.
Explosive limit	Auto-ignition temperature is 410/580°C.

10. Stability and Reactivity.

Stability	Highly volatile.
Conditions to avoid	Avoid heat, flames and other sources of ignition.

11. Toxicological Information.

Health Warnings	Narcotic effect. Drowsiness. Concentrating and inhaling the gas/spray can lead to abnormal heart rhythms and possibly death.
Route of entry	Inhalation.
Target organs	Central nervous system. Respiratory system and lungs.
Medical symptoms	Narcotic effect. Drowsiness. Dizziness.
Acute and Chronic Health Hazards	Repeated exposure may cause upper respiratory irritation. De-fatting, drying and cracking of skin.

12. Ecological Information.

Environmental hazards	Due to the small quantities involved and the volatility of the ingredients the contents of the container present low risk to soil or water. The product contains Volatile Organic Compounds which, when released to air in larger quantities, have the potential for photochemical ozone creation.
-----------------------	--

13. Disposal Consideration.

Container disposal	Ensure container is empty and dispose of in accordance with Local Authority regulations. Do not pierce or incinerate even when container is empty.
--------------------	--

14. Transport Information.

<u>ROAD</u>		<u>AIR</u>		<u>SEA</u>	
UN No.	1950	UN No.	1950	UN SEA	1950
ADR Class	2	Class	2.1	Sea transport class	2
ADR Label	1950, Aerosols, 2, 5°F.ADR	Label	Aerosols, Flammable	IMDG Page No.	2102
Label for conveyance*	Flammable gas (class2)	Label for conveyance	Flammable gas (class 2)	SEA PACK GR	II
				MARINE POLLUTANT	No

* (Not required for limited quantities)

15. Regulatory Information.

Label for supply



EXTREMELY
FLAMMABLE

UK Regulatory references

Classification, Packaging and Labelling Regulations 1984 .
Health and Safety at Work Act 1974 .
The Control of Substances Hazardous to Health Regulations 1988.
H.S.E. EH40/98 Occupational Exposure Limits 1998.
The Chemicals (Hazard Information & Packaging for Supply) Regulations 1994.
The Chemicals (Hazard Information & Packaging for Supply) (Amendment) Regulations 1996.

EC Directives

Aerosol Directive 72/324/EEC as amended by 94/1/EEC.
Dangerous Preparations Directive 88/379/EEC.
Labelling Directive 91/155/EEC as amended by 93/112/EEC.

Statutory Instruments

The Consumer Protection Act 1987 SI 1140.
The Aerosol Dispenser Regulations 1977 & 1997.
The Classification, Packaging and Labelling of Dangerous Substances Regulations 1984 (SI 1244).
The Health and Safety at Work etc. Act 1974 .

EC Risk phrases

R12 - Extremely flammable

Safety phrases

S02 - Keep out of reach of children.
S16 - Keep away from sources of ignition - No Smoking.
S23 - Do not breathe spray or vapour.

16. Other Information.

Date issued

July 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.