



ASTRAL SAFETY DATA SHEET

GRAFFITI GEL REMOVER

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

PRODUCT NAME: Graffiti Gel Remover
PART No.: AJVMR-16
SUPPLIER: Astral Chemical Solutions Ltd
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EMERGENCY TELEPHONES: (+0044) (0) 161 620 5400 **NOTE! TO BE USED FOR CHEMICAL EMERGENCIES ONLY!!!**

2. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT NAME	CAS No.	CONTENTS	HEALTH (Class)	RISK (R No.)
PROPAN-2-OL	67-63-0	1-5 %	Xi	36, 67
1-METHOXY-2-PROPANOL	107-98-2	60-100 %		
ISOBUTANE	75-28-5	1-5 %		
BUTANE	106-97-8	5-10 %		
PROPANE	74-98-6	10-30 %		

3. HAZARDS IDENTIFICATION

Extremely flammable.

4. FIRST AID MEASURES

INHALATION: Move the exposed person to fresh air at once. Get medical attention if any discomfort continues. For breathing difficulties oxygen may be necessary.
INGESTION: Rinse mouth thoroughly with water and give large amounts of milk or water to people not unconscious. CAUTION! Some medical advisors recommend against induction of vomiting!
SKIN: Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.
EYES: Spray in the eyes: Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Use: Powder. Dry chemicals, sand, dolomite etc. Water spray, fog or mist.
SPECIAL FIRE FIGHTING PROCEDURES: Containers close to fire should be removed or cooled with water. Use water to keep fire exposed containers cool and disperse vapours.
UNUSUAL FIRE & EXPLOSION HAZARDS: Aerosol cans may explode in fires. Risk of explosion if heated.

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6. ACCIDENTAL RELEASE MEASURES

SPILL CLEANUP METHODS: Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Wear necessary protective equipment. If leakage cannot be stopped, evacuate area. Ventilate well. Larger spill: Do not contaminate water sources or sewer.

7. HANDLING AND STORAGE

USAGE PRECAUTIONS: Keep away from heat, sparks and open flame. Read and follow manufacturer's recommendations. Provide good ventilation.

STORAGE PRECAUTIONS: Aerosol cans: Must not be exposed for direct sunlight or temperatures above 50°C.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

INGREDIENT NAME	CAS No.	STD	LT EXP (8 Hrs.)	ST EXP (15 Mins)
PROPAN-2-OL	67-63-0	OES.	400 ppm	500 ppm
1-METHOXY-2-PROPANOL	107-98-2.	OES.	100 ppm(Sk)	300 ppm(Sk)
BUTANE	106-97-8	OES.	600 ppm	750 ppm
PROPANE	74-98-6		Asphyxiating	Asphyxiating

INGREDIENT COMMENTS: OES = Occupational Exposure Standard. SUP = Supplier's recommendation.
Sk = Can be absorbed through skin.

PROTECTIVE EQUIPMENT:



VENTILATION: Provide adequate general and local exhaust ventilation.

RESPIRATORS: No specific recommendation made, but respiratory protection must be used if the general level exceeds the Occupational Exposure Level (OEL).

PROTECTIVE GLOVES: Chemical resistant gloves required for prolonged or repeated contact.

EYE PROTECTION: Wear approved chemical safety goggles where eye exposure is reasonably probable.

OTHER PROTECTION: Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

HYGIENIC WORK ROUTINES: DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. No eating or drinking while working with this material.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Aerosol.	COLOUR:	Colourless.
ODOUR/TASTE:	Organic solvents.	FLAMMABILITY LIMIT (lower %):	0.8
SOLUBILITY DESCRIPTION:	Slightly soluble in water.		
FLAMMABILITY LIMIT (upper %):	11.5		

10. STABILITY AND REACTIVITY

STABILITY: Normally stable.

CONDITIONS TO AVOID: Avoid heat, flames and other sources of ignition. Avoid contact with: Strong oxidising agents. Strong alkalis. Strong mineral acids.

HAZARDOUS DECOMPOSITION PRODUCTS: Fire creates: Vapours/gases/fumes of: Carbon monoxide (CO). Carbon dioxide (CO₂).

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11. TOXICOLOGICAL INFORMATION

HEALTH HAZARDS, GENERAL:	Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.
INHALATION:	Gas or vapour in high concentrations may irritate respiratory system. Gas or vapour displaces oxygen available for breathing (asphyxiant). Exposure to high levels of vapour may result in central nervous system and respiratory depression with subsequent loss of consciousness.
INGESTION:	May cause irritation of the mouth, throat and digestive tract causing vomiting and abdominal pain.
SKIN:	Irritating to skin. Prolonged or repeated exposure may cause severe irritation. Acts as a defatting agent on skin. May cause cracking of skin, and eczema.
EYES:	Spray and vapour in the eyes may cause irritation and smarting. May cause severe irritation to eyes.
ROUTE OF ENTRY:	Inhalation. Skin and/or eye contact.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL HAZARDS: No data is available on the product itself.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHODS: Empty containers must not be burned because of explosion hazard. Dispose of in accordance with Local Authority requirements. Contact specialist disposal companies.

14. TRANSPORT INFORMATION

ROAD:			
UN No:	1950		
HAZARD CLASS (ADR):	Class 2: Gases; Compressed, liquefied or dissolved under pressure.		
ADR CLASS No:	2	ADR ITEM No:	5F
MARGINAL:	2201	HAZCHEM CODE:	N/A
CEFIC TEC(R) No:	20G27-2	PROPER SHIPPING NAME I:	AEROSOLS
ROAD TRANSPORT NOTES:	Exempted from control as Limited Quantity provisions apply.		
RAIL:			
RAIL TRANSPORT CLASS No:	2.1	RAILROAD PT:	5F
SEA:			
UN SEA:	1950	SEA TRANSPORT CLASS No:	2.1
IMDG Page No:	2102	SEA PACK GR:	N/A
EmS No.: 2-13 MFAG Table No:	620		
MARINE POLLUTANT:	No.		
AIR:			
UN AIR:	1950	AIR TRANSPORT CLASS No:	2.1
AIR SUB CLASS:	N/A	AIR PACK GR:	N/A

15. REGULATORY INFORMATION

LABEL FOR SUPPLY:



EXTREMELY FLAMMABLE

RISK PHRASES:	R-12 Extremely flammable.
SAFETY PHRASES:	S-2 Keep out of reach of children. S-16 Keep away from sources of ignition - No Smoking. S-51 Use only in well ventilated areas. S-23C Do not breathe vapour/spray
UK REGULATORY REFERENCES:	The Control of Substances Hazardous to Health Regulations 1988.

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UK ENVIRONMENTAL LISTINGS:

Chemicals (Hazard Information & Packaging) Regulations 1993.
Rivers (Prevention of Pollution) Act 1961.
Control of Pollution (Special Waste Regulations) Act 1980.

STATUTORY INSTRUMENTS:

Chemicals (Hazard Information and Packaging) Regulations.

APPROVED CODE OF PRACTICE:

Classification and Labelling of Substances and Preparations Dangerous for Supply.

GUIDANCE NOTES:

Occupational Exposure Limits EH40.

Introduction to Local Exhaust Ventilation HS(G)37.

CHIP for everyone HSG(108).

16. OTHER INFORMATION

INFORMATION SOURCES:

Dangerous Properties of Industrial Materials Report, N.Sax et.al.

REVISION DATE:

12-01

REVISION No. /REPLACES SDS ISSUED:

11-01

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