

SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY.

Product name: GRAFICLEAN
Intended use: Vinyl Graffiti Remover

Manufacturer: GRAFITYP UK LTD
Address: Grafitack House
103 Mariner
Tamworth
Staffordshire
B79 7UL

Telephone: 01827 300500
Telefax: 01827 51333

2. COMPOSITION/INFORMATION ON INGREDIENTS.

INGREDIENT NAME	CAS No.	Symbol	RISK (R No.)	CONTENTS %
Alkanes C9-12-ISO	90622-57-4	Xn	53-65-66	<25
Alkanes CH-15-ISO	90622-58-5	Xn	65-66	<25
Propan-2-ol	67-63-0	Xi	11-36-67	>50

3. HAZARDS IDENTIFICATION

Eve contact. Irritating to eyes.

Skin contact: Slight skin irritant. Prolonged or repeated contact can cause dermatitis.

Inhalation: High levels of vapour/mist may cause dizziness. Can cause irritation of the respiratory tract.

Ingestion: Single dose oral toxicity is low. Aspiration may cause rapid absorption via lungs, resulting in injury to other body systems.

4. FIRST AID MEASURES

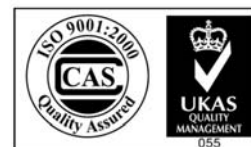
Eve contact: Contact lenses should be removed. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart, and seek medical advice.

Skin contact: Remove contaminated clothing. Wash skin thoroughly with soap and water or use a proprietary skin cleaner. Do NOT use solvents or thinners. If in doubt, seek medical advice.



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Inhalation: Remove to fresh air, keep the patient warm and at rest. If breathing is irregular or has stopped, administer artificial respiration. Give nothing by mouth. If unconscious, place in the recovery position and seek medical advice.

Ingestion: If accidentally swallowed, obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

5. FIRE-FIGHTING MEASURES.

Extinguishing media: Alcohol resistant foam; CO²; powder; water spray/mist.

Do not use: Water jet.

Special Fire Fighting Procedures: Fire exposed containers should be sprayed with water to lessen risk of explosion.

Unusual Fire and Explosive Hazards: Fire will produce dense black smoke containing combustion products which may be a health hazard. Appropriate self-contained breathing apparatus may be required. Run off from fire must not enter drains.

6. ACCIDENTAL RELEASE MEASURES.

Procedures For Leaks Or Spillage: Exclude sources of ignition and ventilate the area. Exclude non-essential personnel. Avoid breathing vapours. Refer to protective measures listed in Sections 7 & 8. Contain and collect spillages with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth, and place in a suitable container for disposal in accordance with the waste regulations (see Section 13). Do not allow to enter drains or water courses.

Clean preferably with a detergent; avoid the use of solvents. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the National Rivers Authority.

7. HANDLING AND STORAGE.

Handling: Vapours are heavier than air and may spread along floors. They may form explosive mixtures with air. Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentrations higher than the Occupational Exposure Limits.

Use in areas from which all sources of heat, sparks and open flame have been excluded.

Avoid skin and eye contact.

Avoid inhalation of vapour and spray mist.

Smoking, eating and drinking should be prohibited in areas of use and storage.

Storage: Store below 50°C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Observe the label precautions.

Store separately from strong oxidising agents and strongly alkaline and strongly acidic materials.

Containers which are opened should be properly resealed and kept upright to prevent leakage.



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8. EXPOSURE CONTROLS/PERSONAL PROTECTION.

INGREDIENT NAME	OES/MEL	8hr TWA	STEL (10 mins)
Propan-2-ol	OES	400ppm	500ppm (Sk)

Engineering Measures: Provide adequate ventilation to ensure the airborne concentration of substances to which an OES/ME1 has been assigned is below that OES/MEL (Occupational Exposure Standard/Maximum Exposure Limit).

Respiratory Protection: Air-fed respiratory equipment should be worn when this product is sprayed if the exposure of the sprayer or other people nearby cannot be controlled to below the occupational exposure limit and engineering controls and measures cannot reasonably be improved.

Hand Protection: When skin exposure may occur, advice may be sought from the glove suppliers on appropriate types. Barrie creams may help to protect exposed areas of the skin but are not substitutes for full physical protection. They should not be applied once exposure has occurred.

Eye Protection: Eye protection designed to protect against liquid splashes should be worn.

Skin protection: Cotton or cotton/synthetic overalls are normally suitable. Grossly contaminated clothing should be removed and the skin washed with soap and water or a proprietary skin cleaner.
(Sk) denotes product can be absorbed through skin.

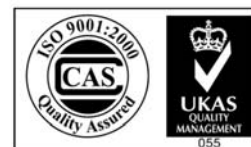
9. PHYSICAL AND CHEMICAL PROPERTIES.

Physical State:	Liquid
Appearance:	Colourless
Odour:	Typical
pH:	N/A
Boiling point:	105°C
Melting point:	<0°C
Flash point:	24°C
Flammability: LEL 2.0 (% vol in air @ 25°C)	UEL 16.0
Autoflammability:	>350°C
Explosive properties:	None
Oxidising properties:	None
Relative density:	0.78
VOC Content:	780g/L
Water solubility:	<0.025 wt%
Solvent solubility:	Soluble in alcohols.
Other data:	



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10. STABILITY AND REACTIVITY.

Stability: Stable.

Conditions to avoid: Avoid naked flames, red hot surfaces, other high temperature sources that may induce thermal decomposition.

Incompatibility (Materials to avoid): Oxidising agents, strong acids, strong alkalis.

Hazardous decomposition products: Hydrogen chloride, Phosgene, Chlorine.

11. TOXICOLOGICAL INFORMATION.

INGREDIENT	LD50(Animal/Oral)
Propan-2-ol	5.8g/Kg(Rat)

There is no data on the product itself.

Propan-2-ol causes slight to moderate irritation with possible corneal injury in the eyes. The liquid can penetrate the skin and cause dermatitis on prolonged exposure. Low concentrations may cause mild irritation of eyes, nose and throat. Concentrations above the OES may cause headaches, nausea and vomiting. It is slightly toxic by ingestion, causing drowsiness and unconsciousness in extreme cases; 100ml can be fatal

12. ECOLOGICAL INFORMATION.

There is no data on the product itself.

The product should not be allowed to enter drains or water courses or be deposited where it can affect ground or surface waters.

Propan-2-ol does not bio-accumulate and is readily biodegradable.

13. DISPOSAL CONSIDERATIONS.

Do not allow into drains or water courses or dispose of where ground or surface waters may be affected.

Wastes, including emptied containers, are controlled wastes and should be disposed in accordance with regulations made under the Control of Pollution Act.

Using the information provided in this data sheet, advice should be obtained from the Waste Regulation Authority whether the special waste regulations apply.



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14. TRANSPORT INFORMATION.

CCCN: 1992
UN Number: 3.111
Class:
IMDG:
ICAO/IATA:
RID/ADR:

15. REGULATORY INFORMATION.

Label for supply: HARMFUL

Risk phrases:
R10:
R36:
R53:
R65:
R66:

Safety phrases:
S2: Keep out of reach of children.
S23: Do not breathe vapour/spray.
S24/25: Avoid contact with eyes and skin.
S46 If swallowed seek medical advice immediately and show this container or label.

Regulatory references: The Chemicals (Hazard Information and Packaging Regulations) 1993.

16. OTHER INFORMATION.

The information contained in this data sheet is provided in accordance with the requirements of the Chemicals (Hazards Information and Packaging) Regulations. It does not constitute the user's own assessment of workplace risks as required by other health and safety legislation. The provisions of the Health & Safety at Work Act and Control of Substances Hazardous to Health Regulations apply to the use of this product at work.

The product should not be used for purposes other than those shown in Section 1 without first referring to the supplier and obtaining written handling instructions. As the specific conditions of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of the relevant legislation are complied with.

This product is classified as a marine pollutant for shipping purposes.

OES/MEL values are obtained from the current issue of EH40 unless indicated thus (Sup) when a value has been obtained from the supplier.

Further information and advice can be found in the following publications:



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The Control of Substances Hazardous to Health Regulations 1988 (SI 1988:1657).
Storage of Packaged Dangerous Substances, HS(G)71.
The Environmental Protection (Duty of Care) Regulations 1992 (SI 1992:2839)

Date of issue of original: 11.05.95

Date of revision: 04.03.04

This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with legal regulations. The information contained herein is based on the current state of our knowledge and is intended to describe products from the point of view of safety requirements and thus should not be constructed as guaranteeing specific properties. For further information contact the office.



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Bank Details

Account Number: 15224821

Sort Code: 53-70-15

BIC: NWBK GB 2L

IBAN: GBB4 NWBK 5370 1515 2248 21

Certificate NO: 098/78