

MATERIAL SAFETY DATA SHEET

613 0100

Graffiti Remover Liquid

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE OR PREPARATION AND THE COMPANY**

Product Name: **GRAFFITI REMOVER LIQUID**
Company Name: Polycote UK
Centre Point • Wolseley Road
Woburn Road Industrial Estate
Kempston • Beds MK42 7EF
Telephone Number: 01234 846400

SECTION 2: HAZARDS IDENTIFICATION

Classification according to Directive 67/548/EEC or Directive 1999/45/EC.

Labelling: Xn; Harmful
Contains: Butan-1-ol, xylene
Risk phrases: R10 Flammable.
R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
R37/38 Irritating to respiratory system and skin.
R41 Risk of serious damage to eyes.
Safety phrases: S7/9 Keep container tightly closed and in a well-ventilated place.
S23 Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).
S25 Avoid contact with eyes.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
S43 In case of fire, use sand, carbon dioxide or powdered extinguishing agent. Never use water.
S60 This material and its container must be disposed of as hazardous waste.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Components:

Chemical Name

CAS No.	EINECS No.	Classification	Content
Xylene			
1330-20-7	215-535-7	Xn; R20/21, Xi; R38, R10	50-100%
Butan-1-ol			
71-36-3	200-751-6	Xn; R22, Xi; R37/38, R41, R10, R67	25-50%

SECTION 4: FIRST AID MEASURES

General information: Immediately remove any clothing soiled by the product. Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

After inhalation: Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist. In case of unconsciousness place patient stably in side position for transportation. Seek immediate medical advice.

After skin contact: Immediately wash with water and soap and rinse thoroughly. Remove contaminated clothing. If skin irritation continues, consult a doctor. Repeated skin contact may result in irritation and dermatitis. Always wear protective gloves suitable for this product.

After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor. Call a doctor immediately. Seek immediate medical advice.

After swallowing: Do not induce vomiting; rinse mouth with water, call for medical help immediately. Call for a doctor immediately.

SECTION 5: FIRE FIGHTING MEASURES

Suitable extinguishing media: CO2, powder or water spray. Fight larger fires with aqueous film forming foam (AFFF). Cool containers with water spray. CO2, sand, extinguishing powder. Do not use water.

For safety reasons unsuitable extinguishing agents: Water with full jet.

Protective equipment: Respiratory protective device. Wear self-contained respiratory protective device.

Additional information: Cool endangered receptacles with water spray. Collect contaminated fire fighting water separately. It must not enter the sewage system.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions: Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation. Keep people at a distance and stay on the windward side. Keep away from ignition sources. Wear protective clothing.

Environmental precautions: In case of seepage into the ground inform responsible authorities. Do not allow to enter sewers/ surface or ground water.

Methods for cleaning-up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to item 13. Ensure adequate ventilation. Do not flush with water or aqueous cleansing agents. Send for recovery or disposal in suitable receptacles. Blanket spillage with AFFF Foam Spray to seal from sources of ignition as a precautionary measure.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling: Store in cool, dry place in tightly closed receptacles. Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols. Take note of emission threshold. Use only in well ventilated areas. Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).

Information about fire & explosion protection: Keep ignition sources away – Do not smoke. Protect against electrostatic charges. Do not spray onto a naked flame, hot surfaces, electrical switchgear, live/battery connected electrics, or near to any potential sources of ignition. Flammable gas-air mixtures may form in empty receptacles. Wear shoes with conductive soles.

Conditions for safe storage: Store in a cool location. Provide solvent resistant, sealed floor. Prevent any seepage into the ground. Provide ventilation for receptacles. Use only receptacles specifically permitted for this substance/product. Unsuitable material for

Polycote Graffiti Remover Liquid Cont.

613 0100

SECTION 7: HANDLING AND STORAGE Cont.

receptacle: aluminium. Store in area marked with EX signs under Dangerous Substances and Explosive Atmosphere Regs. Follow HSE guidance for storage of flammable substances. Flameproof/explosion proof electrical equipment must be used (ATEX Regulations). Only store in suitable bunded storage areas. Do not store plastic IBC's with metal drums of other flammable substances.

Additional information: Do not store together with alkalis (caustic solutions). Store away from oxidizing agents. Keep container tightly sealed. Store receptacle in a well ventilated area.

You are recommended to refer to HSE publications HSG51 – The Storage of Flammable Liquids in Containers; and HSG140 – The Safe Use and Handling of Flammable Liquids, for more detailed understanding of the practices to be adhered to. Plastic IBC's risk sudden and total loss of product in event of fire. Ensure bunded areas are adequate. Do not store plastic IBC's with other packaged flammable goods.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION**Control parameters**

Ingredients with limit values that require monitoring at the workplace:

1330-20-7 xylene

WEL Short-term value: 441 mg/m³, 100 ppm
Long-term value: 220 mg/m³, 50 ppm
Sk; BMGV

71-36-3 butan-1-ol

WEL Short-term value: 154 mg/m³, 50 ppm
Sk

Protective equipment:



General measures: Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the skin. Avoid contact with the eyes and skin. Avoid alcohol consumption while working with the product.

Respiratory protection: In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Hand protection: Solvent resistant gloves. Use gloves approved to BS EN 364 Chemical Resistant Gloves. The glove material has to be impermeable and resistant to the product/the substance/the preparation. Due to missing tests no recommendation to the glove material can be given for the product/the preparation/the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Eye protection: Tightly sealed goggles.

Body protection: Protective work clothing.

Risk management: Carry out risk assessment under Dangerous Substances and Explosive Atmospheres Regulations (DSEAR), COSHH.

SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

Form: Liquid
Colour: According to product specification
Odour: Characteristic
Boiling point range: 116°C
Flash point: 30°C
Ignition temperature: 340°C
Danger of explosion: Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

Explosion limits:
Lower: 1.1 Vol%
Upper: 9.4 Vol%
Vapour pressure: 6.7 hPa @ 20°C
Density: 0.8502 g/cm³ @ 20°C
Solubility in / Miscibility with water: Not miscible or difficult to mix.

SECTION 10: STABILITY AND REACTIVITY

Thermal decomposition/ conditions to be avoided: No decomposition if used according to specifications and industry good practice.
Haz. decomp. products: Carbon monoxide if incomplete combustion.

SECTION 11: TOXICOLOGICAL INFORMATION

LD/LC50 values relevant for classification:

1330-20-7 xylene

Oral	LD50	4300 mg/kg (rat)
Dermal	LD50	2000 mg/kg (rabbit)

71-36-3 butan-1-ol

Oral	LD50	790 mg/kg (rat)
Dermal	LD50	3400 mg/kg (rabbit)
Inhalative	LC50/4 h	8000 mg/l (rat)

Skin irritation: Irritant to skin and mucous membranes.

Eye irritation: Strong irritant with the danger of severe eye injury.

Sensitization: No sensitizing effects known.

SECTION 12: ECOLOGICAL INFORMATION

General notes: Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water. Do not allow product to reach ground water, water course or sewage system. Danger to drinking water if even small quantities leak into the ground.

SECTION 13: DISPOSAL CONSIDERATIONS

Product disposal: Must not be disposed together with household refuse. Do not allow product to reach sewage system.

Container disposal: Disposal must be made according to official regulations. Refer to Hazardous Waste Regulations 2005. Requires movement under Consignment note by licensed waste carriers. Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

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SECTION 14: TRANSPORT INFORMATION

UN Number:
 ADR, IMDG, IATA: UN1993
 UN Proper shipping name:
 ADR: 1993 FLAMMABLE LIQUID, N.O.S. (XYLENES, BUTANOLS), special provision 640E
 IMDG, IATA: FLAMMABLE LIQUID, N.O.S. (XYLENES, BUTANOLS)
 Transport hazard classes:
 ADR:
 Class: 3 Flammable liquids
 Label: 3
 IMDG, IATA:
 Class: 3 Flammable liquids
 Label: 3
 Packing Group:
 ADR, IMDG, IATA: III
 Marine pollutant: No
 Special precautions: Warning: Flammable liquids
 Danger code (Kemler): 30
 EMS Number: F-E, S-E
 ADR Tunnel code: D/E

SECTION 15: REGULATORY INFORMATION

Other regulations: The Dangerous Substances and Explosive Atmosphere Regulations (DSEAR).
 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: OTHER INFORMATION

Relevant phrases: The 'R' phrase listed below are for reference only and do not form the R phrases for the labelling or classification of the product. Refer to section 3 for this information.
 R10 Flammable.
 R20/21 Harmful by inhalation and in contact with skin.
 R22 Harmful if swallowed.
 R37/38 Irritating to respiratory system and skin.
 R38 Irritating to skin.
 R41 Risk of serious damage to eyes.
 R67 Vapours may cause drowsiness and dizziness.

The Safety Data above is applicable to the product only as used according to the purposes and methods described on the relevant Technical Data Sheet, available from Polycote UK on request.

The information above is based on our present knowledge and is believed to be correct but does not purport to be all inclusive and should only be used as a guide. No warranty is implied with respect to the specification of the product. It is intended to describe the product solely in terms of its safety requirements and relates only to the specific material designed and may not be valid for such material used in combination with any other materials or in any process. This data does not constitute the users own assessment of workplace risk as required by other Health and Safety legislation, nor is it a sales specification or indication of suitability for any particular use. The user must satisfy himself as to the suitability of the product for his purpose. No legally valid contractual relationship is established by the above data, and Polycote UK shall not be held liable for any damage resulting from handling or from contact with the above product.

Date of Issue: March 2012

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