

# 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: COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Components:

#### Chemical Name

CAS No./EINECS No.	Classification	EU No.
Acetone		
67-64-1/200-662-2	F. R11, Xi, R36, R66, R67	606-001-00-8

### SECTION 3: HAZARDS IDENTIFICATION

Main Hazards: Xi Irritant  
 F Highly Flammable  
 Eyes: Irritating to eyes  
 Skin: Repeated exposure may cause skin dryness or cracking.  
 Inhalation: Vapours may cause drowsiness and dizziness.  
 Classification System: The classification is according to the latest editions of the EU-lists, and extended by company and literature data.  
 Additional information: The vapours are readily ignitable, which are heavier than air.

### SECTION 4: FIRST AID MEASURES

General information: Take affected persons out into the fresh air. Keep warm, position comfortably and cover well. Provide oxygen treatment if affected person has difficulty breathing.  
 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.  
 After skin contact: Immediately wash with water and soap and rinse thoroughly. Remove contaminated clothing and dispose according to waste regulations. If skin irritation continues, consult a doctor.  
 After eye contact: Rinse opened eye for at least 10 minutes under running water. It is always advisable then to seek prompt medical attention.  
 After swallowing: Drink plenty of water and provide fresh air. Call for a doctor immediately. Do not induce vomiting; call for medical help immediately.  
 Information for doctor: Risk of lung aspiration when swallowed due to low viscosity of product.  
 Treatment: Monitor respiration: danger of narcosis after inhaling vapours in high concentration or for a long period of time. Artificial respiration may be necessary. Initiate inhalative cortisone therapy. Check acid/alkali balance. Latency of several hours is possible. After swallowing do not give milk or digestible oils. Activated charcoal (20-60g) and sodium sulphate (1 tablespoon/250ml) should reduce absorption.

### SECTION 5: FIRE FIGHTING MEASURES

Suitable extinguishing media: CO<sub>2</sub>, powder or water spray. Fight larger fire with alcohol resistant foam.  
 For safety reasons unsuitable extinguishing agents: Water with full jet.

Protective equipment: Mount 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. Keep away from ignition sources. Keep people at a distance and stay on the windward side.  
 Environmental protection: Prevent seepage into sewage system, workpits and cellars. Dilute with plenty of water. Do not allow to enter sewers/surface or ground water.  
 Clean-up procedures: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Ensure adequate ventilation.  
 Other information: See Section 7 for information on safe handling.

### SECTION 7: HANDLING AND STORAGE

Handling: Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air). Restrict the quantity stored at the work place. Use closeable conveyance devices. Store in cool, dry place in tightly closed receptacles. In uncontrolled environments processes should not be undertaken within 10°C of the flash point.  
 Fire and explosion protection: Highly volatile, flammable constituents are released during processing. Keep ignition sources away - Do not smoke. Protect against electrostatic charges. Avoid pumping at rates above 7m/sec. Ensure vessels/containers are electrically bonded and earthed. Flammable gas-air mixtures may form in empty receptacles. Avoid splash filling/dischARGE. Earth vessels.  
 Storage: Store in a cool location. Provide solvent resistant, sealed floor. Suitable material for receptacles and pipes: steel or stainless steel. Refer to Health and Safety guides HS(G)051 Storage of Flammable Liquids in Containers; HS(G)71 Chemical Warehousing; HS(G)176 Storage of Flammable Liquids in Tanks. Ensure all electrical equipment is explosion protected in Flammable Zone areas as required to National Regulations. Remove non-conductive materials from Zone 0 and Zone 1 areas to reduce potential for static discharges. Ensure containers and process vessels are bonded and grounded to earth before operation.  
 Information about storage in one common storage facility: Do not store together with oxidising and acidic materials as well as heavy-metal compounds.  
 Further information about storage conditions: None.  
 Storage class: 3A  
 Class according to regulation on flammable liquids: B

### SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Occupational Exposure: Acetone.  
 OES Short term value: 3620 mg/m<sup>3</sup> = 1500ppm  
 OES Long term value: 1810 mg/m<sup>3</sup> = 750ppm  
 General protective and hygienic 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 eyes. Avoid contact with the eyes and skin.  
 Respiratory protection: Use suitable respiratory protective device in case of insufficient ventilation, or if exposure limit is likely to be exceeded.  
 Hand protection: Solvent resistant butyl rubber gloves.  
 Penetration time of glove material: 480 mins for butyl rubber  
 10 mins for neoprene.  
 Eye protection: Safety glasses.

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**SECTION 9: PHYSICAL & CHEMICAL PROPERTIES**

Form:	Fluid
Colour:	Colourless
Odour:	Like ketone
Melting point range:	94.7°C
Boiling point range:	55.8 - 56.6°C
Flash point:	<-18°C
Ignition temperature:	465°C
Danger of explosion:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
Explosion limits:	
Lower:	2.6 Vol%
Upper:	13.0 Vol%
Vapour pressure:	233 hPa @ 20°C
Density:	0.79 g/cm <sup>3</sup> @ 20°C
Solubility in /	
Miscibility with water:	Fully miscible
Dynamic viscosity:	32 mPas @ 25°C

**SECTION 10: STABILITY AND REACTIVITY**

Thermal decomposition/conditions to be avoided:	No decomposition if used according to specifications.
Materials to be avoided:	Strong oxidizing agents
Dangerous reactions:	No dangerous reactions known.
Dangerous decomposition products:	Carbon monoxide, if incomplete combustion.

**SECTION 11: TOXICOLOGICAL INFORMATION**

LD/LC50 values relevant for classification:	
Acute toxicity - Oral = LD50	5800 mg/kg (rat)
Acute toxicity - Dermal: LD50	2000 mg/kg (rbt)
Skin irritation:	Prolonged exposure may result in skin irritation. Wear suitable protective gloves at all times.
Eye irritation:	Irritating effect.
Skin sensitization:	No sensitizing effects known.
Inhalation:	Irritation through inhalation occurs in airborne concentrations above 1000ppm.

**SECTION 12: ECOLOGICAL INFORMATION**

Degradeability:	Easily biodegradeable.
Mobility and bioaccumulation potential:	Not significant; accumulating in organisms.
General notes:	Water hazard class 1 (German Regulations) (Assessment by list): slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

**SECTION 13: DISPOSAL CONSIDERATIONS**

Product disposal:	Must not be disposed together with general waste liquids. Do not allow product to reach sewage system. Use only Environmental Agency authorized waste contractors. Dispose of as Special Waste.
Container disposal:	Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning. Dispose of packaging according to Special Waste Regulations. Disposal must be made according to official regulations.
Recommended cleansing agents:	Water, if necessary together with cleansing agents.

**SECTION 14: TRANSPORT INFORMATION**

Land transport information	
ADR/RID class:	3 Flammable liquids
Item:	3b
Danger code (Kemler):	33
UN Number:	1090
Hazard label:	3
Description of goods:	1090 Acetone
Maritime transport information:	
IMDG Class:	3.2
Page:	3172
UN Number:	1090
Packaging group:	II
EMS Number:	3-06
MFAG:	300
Proper shipping name:	Acetone
Air transport information	
ICAO/IATA Class:	3
UN/ID Number:	1090
Packaging group:	II
Proper shipping name:	Acetone

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**SECTION 15: REGULATORY INFORMATION**

## Labelling information

The product has been classified and marked in accordance with EU Directives/Ordinance on Hazardous Materials.

Label information: Xi Irritant

F Highly flammable

Risk phrases:

R11 Highly flammable

R36 Irritating to eyes

R66 Repeated exposure may cause skin dryness or cracking

R67 Vapours may cause drowsiness and dizziness.

Safety phrases:

S9 Keep container in a well ventilated place

S16 Keep away from sources of ignition - NO smoking

S26 In case of contact with eyes, rinse immediately with plenty and seek medical advice.

S23 Do not breathe fumes/aerosol

S33 Take precautionary measures against static discharges

Classification according to VbF: B

Technical Instructions (air): Class III, Share 100%

Water hazard class: Water hazard class 1 (Assessment by list): Slightly hazardous for water.

**SECTION 16: OTHER INFORMATION**

The information provided in this data sheet has been compiled in accordance with the requirements of the Chemicals (Hazard Information and Packaging) regulations Directive 93/112/EC.

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.

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