

PRODUCT SAFETY DATA SHEET

GRAFFITI REMOVER (AG3)

1. Identification of the substance or preparation and the company/undertaking

PRODUCT NAME

Carr's Graffiti Remover (CG04BS)

INTENDED USE

For removing graffiti from the surface of Anti-graffiti glaze (AG1) and other protective coatings.

SUPPLIER

Carr's Paints, Unit 2E, Eagle Road, North Moons Moat, Redditch, B98 9HF

EMERGENCY TELEPHONE

01527 599 460

2. Composition/information of ingredients

A highly flammable mixture of organic solvents.

Substances presenting a Health or Environmental hazard within the meaning of the Chemicals (Hazard Information & Packaging) Regulations 1994 as amended.

Substance name	CAS No.	EINECS No.	Range	Symbol letter	Risk phrases*
Butanone	78-93-3	201-159-0	40-50%	Xi	36-66-67
Propan-1-OL	71-23-8	200-746-9	40-50%	Xi	41-67

Symbols key: T+ - Very Toxic; T – Toxic; Xn – Harmful; C – Corrosive; Xi – Irritant; N – Environmental.

For full text of Risk Phrases, see Section 16 'Other Information'.

3. Hazards identification

RISK PHRASES

- Highly Flammable
- Risk of serious damage to eyes
- Harmful by inhalation, in contact with skin and may cause lung damage if swallowed.
- Irritating to eyes, respiratory system and skin.

OTHER INFORMATION

- Inhalation of vapours from this product can cause narcosis and, with continued exposure above the OEL, possible long term effects.

4. First aid measures

GENERAL

In all cases of doubt or when symptoms persist seek medical attention. Never give anything by mouth to an unconscious person.

INHALATION

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

EYE CONTACT

Contact lenses should be removed. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart. 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.

INGESTION

If accidentally swallowed, obtain immediate medical attention. Keep at rest. DO NOT induce vomiting.

5. Fire fighting measures

EXTINGUISHING MEDIA

Recommended: Carbon dioxide, Dry Powder, Sand, Foam.

Not to be used: Water

SPECIAL INSTRUCTIONS FOR FIRE FIGHTING PERSONNEL

Fire will produce dense black smoke containing hazardous products of combustion (see Section 10). Decomposition products may be a hazard to health. Appropriate self-contained breathing apparatus may be required. Cool closed containers exposed to fire with a water spray. Do not allow run off from fire fighting to enter drains or water courses.

6. Accidental release measures

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) and place in suitable container for disposal in accordance with the waste regulations. Do not allow to enter drains or water courses. If it does, contact the local water company immediately. In case of contamination of streams, rivers or lakes, contact the Environmental Agency. Clean preferably with a detergent, avoid use of solvents.

7. Storage & handling

STORAGE

Store in accordance with the conditions of the licence which is necessary under the Petroleum (Consolidation) Act and HSE Guidance note 'Storage of Flammable Liquids in Containers' HS(G) 51. Observe the label precautions.

Store between 5°C & 25°C in a dry well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorised access. Containers which are opened should be properly resealed and kept upright to prevent leakage. Store away from oxidising agents and strongly alkaline or acid materials. The store room should be marked 'Flashpoint below 32°C' in accordance with 'The Highly Flammable Liquids and Liquefied Petroleum Gases Regulations 1972 S.I. No 917 (1972)', Sections 5 & 6.

HANDLING

Vapours are heavier than air and may spread along floors. They may form explosive mixtures with air. Prevent creation of explosive or flammable mixtures and avoid vapour concs higher than the OEL. Do not use in areas where potential sources of ignition exist. Electrical equipment should be protected to the appropriate standard. Use non-sparking tools and exclude sources of heat, sparks and flames. Keep container tightly closed. Never use pressure to empty – container is not a pressure vessel. Always keep in containers made of the same material as the supply container.

Avoid skin and eye contact. For personal protection, see Section 8. Good housekeeping, regular maintenance of spray booth filters, and regular removal of waste materials will minimise risks. The product may charge electrostatically. Use earthing leads when transferring from one container to another. The accumulation of contaminated rags and dry overspray, particularly in spray booth filters, may result in spontaneous combustion.

8. Exposure controls/Personal protection

Substance name	8hr LTEL		15min STEL		Notation
	ppm	mg/m ³	ppm	Mg/m ³	
Butanone OELs are methyl ethyl ketone	200	600		900	Sk, OES
Propan-1-OL	200	500		625	Sk, OES

Notations: SK - Risk of absorption through skin; SEN - Respiratory Sensitiser; Bmgv - Biological Monitoring may be appropriate (see Biological Monitoring Guidance Value in EH40 Table 3). OELs are from EH40 except where marked SUP, which are assigned by the substance supplier.

ENGINEERING MEASURES

Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. If extraction methods are insufficient to maintain concentrations of particulates and/or solvent vapours below relevant OELs, suitable respiratory protective equipment should be worn.

GENERAL PROTECTION

All ppe, including rpe, used to control exposure to hazardous substances must be selected to meet the requirements of the COSHH regulations.

RESPIRATORY PROTECTION

Air fed respiratory equipment should be worn when spraying if levels cannot be controlled below OELs and engineering methods cannot be reasonably improved.

HAND PROTECTION

Full physical protection is best. Seek relevant advice from glove manufacturer. Barrier cream may be of help but should not be applied after exposure has occurred.

EYE PROTECTION

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

SKIN PROTECTION

Cotton or cotton/synthetic overalls or coveralls are normally suitable. Grossly contaminated clothing should be removed and the skin washed with soap and water or a proprietary skin cleaner.

9. Physical & chemical properties

PHYSICAL STATE	Mobile Liquid
FLASH POINT	=> 0°C and <21°C Method: Equilibrium Method to ISO 1516 & ISO 3680
SPECIFIC GRAVITY	0.798 Method: Calculation
VAPOUR DENSITY	HEAVIER than Air
V.O.C. CONTENT	0.798Kg/lit.
LOWER EXPLOSION LIMIT	0.8% vol
SOLUBILITY IN WATER	PARTIALLY MISCIBLE

10. Stability & reactivity

Stable under the recommended storage & handling conditions (see Section 7). In a fire, hazardous decomposition products such as smoke, carbon monoxide, carbon dioxide, and oxides of nitrogen may be produced. Keep away from oxidising agents and strongly alkaline and acid materials to prevent the possibility of an exothermic reaction.

11. Ecological information

There is no data available 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. The Air Pollution Control requirements of regulations made under the Environmental Protection Act may apply to the use of this product.

12. Toxicological information

There is no data available on the product itself. Exposure to organic solvent vapours may result in adverse health effects such as irritation of the mucous membrane and respiratory system and adverse effects on the renal and central nervous systems. Symptoms include headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, unconsciousness. Splashes in the eyes may cause irritation and reversible local damage. Repeated or prolonged contact with the product may lead to removal of natural fats from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

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 of in accordance with regulations made under the Control of Pollution & Environmental Protection Acts.

14. Transport information

ROAD/RAIL

UN No.	1263
Packing Group	II
Class	3.2
Designation	Paint related material

SEA

UN No.	1263
Class	3.2
Packing Grp.<=30lts	II
Packing Grp.>30lts	II
Marine Pollutant	No
Main Risk	FLAMMABILITY
Sub Risk	NARCOSIS
Shipping Name	Paint related material

AIR

UN/IATA ID Number	1263
Class	3.2
Packing Grp.<=30lts	II
Packing Grp.>30lts	II
Main Risk	FLAMMABILITY
Sub Risk	NARCOSIS
Shipping Name	Paint related material

INTERNATIONAL ROAD/RAIL

Item Number	31C
Class	3
UN No.	1263
Packing Group	II
Main Risk	FLAMMABILITY
Sub Risk	NARCOSIS
Shipping Name	Paint related material

15. Regulatory information

The product is classified and labelled for supply in accordance with the Chemicals (Hazard Information & Packaging) Regulations as follows:

CLASSIFICATION

Xi – IRRITANT
F – HIGHLY FLAMMABLE

RISK PHRASES

R11: Highly Flammable
R41: Risk of serious damage to eyes
R20/21/65: Harmful by inhalation, in contact with skin and may cause lung damage if swallowed
R36/37/38: Irritating to eyes, respiratory system and skin.

SAFETY PHRASES

S2: Keep out of reach of children
S13: Keep away from food, drink and animal feeding stuffs
S16: Keep away from sources of ignition. No smoking.
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S28: After contact with skin, wash immediately with plenty of water.
S29: Do not empty into drains.
S43: In case of fire do not use water.
S46: If swallowed, seek medical advice immediately and show this container or label.
S7/9: Keep container tightly closed and in a well ventilated place
S36/37/39: Wear suitable protective clothing, gloves and eye/face protection.

'P' PHRASES

Do not breathe Vapour or Spray
FOR USE IN INDUSTRIAL INSTALLATIONS ONLY

The information contained in this Safety Data Sheet does not constitute the user's own assessment of the workplace risks as required by other health & safety legislation. The provisions of the Health & Safety at Work etc. Act and the Control of Substances Hazardous to Health Regulations apply to the use of this product at work.

16. Other information

TEXT OF ANY RISK PHRASES LISTED IN SECT 2

R36: Irritating to the eyes

R41: Risk of serious damage to eyes.

R67: Vapours may cause drowsiness and dizziness.

DATE OF ORINATION

14/10/04

DATE OF LAST REVISION

14/10/04

The information contained in this Safety Data Sheet is provided in accordance with the requirements of the Chemicals (Hazard Information & Packaging) Regulations. 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 use of the product are outside the supplier's control the user is responsible for ensuring that the requirements of relevant legislation are complied with. TP-09

The information contained in this Safety Data Sheet is based on the present state of knowledge and current national legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.

Further information and relevant advice can be found in:

- The Control Of Substances Hazardous to Health Regulations 1994 (SI 1994: 3246)
- The Manual Handling Operations Regulations 1992 (SI 1992: 2793)
- Storage of Flammable Liquids in Containers. HS(G)51
- Storage of Packaged Dangerous Substances. HS(G)71
- The Environmental Protection (Duty of Care) Regulations 1992 (SI 1988:2839)