

MATERIAL SAFETY DATA SHEET

According to Regulation (EC) No 1907 / 2006 (REACH)



Graffiti Remover Multi Surface

Version 1.01 Version Date: 28/07/14

1. PRODUCT NAME AND IDENTIFICATION

Product name: **ecgo®** Graffiti Remover Multi Surface

Product Use: Graffiti Removal

2. HAZARDS IDENTIFICATION

Labelling according to Regulation (EC) No 1272/2008 Pictograms and signal word of the product:



Signal word: Warning

Hazard statements:

H319 Causes serious eye irritation

Precautionary statements:

P102 Keep out of reach of children.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting. P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Labelling according to EC-directives

The categorization has been made according to the method of calculation of the Preparations Directive number 1999/45/EC.

R-phrases:

36 Irritating to eyes

S-phrases:

2 Keep out of the reach of children.

24/25 Avoid contact with skin and with eyes.

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

28 After contact with skin, wash immediately with plenty of water.

37 / 39 Wear suitable gloves and eye/face protection.

46 If swallowed, seek medical advice immediately and show this container or label.

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3. COMPOSITION

Chemical classification

Surfactants, ester, dissolved in organic solvents and water

Hazard ingredients

Chemical name	EC No	CAS No	Amount	Classification according to Regulation (EC) No 1272/2008	Classification according to 67/548/EEC
	EC No	CAS No	Amount	Classification according to Regulation (EC) No 1272/2008	Classification according to 67/548/EEC
Ethyl-3-oxobutyrate	205-516-1	141-97-9	10...20%	Eye irritant Cat.2; H319	Xi; R 36
Anionic surfactants			5...10%	Skin irritant Cat.2; H315 Eye irritant Cat.2; H319	Xi; R 36/38
Benzylacetate	205-399-7	140-11-4	5...10%	Eye irritant Cat.2; H319 STOT single ex. Cat.3; H335 Skin irritant Cat.2; H315	Xi ; R 36/37/38
1-Hexanol	203-852-3	111-27-3	5...10%	Acute tox. oral Cat. 4; H302	Xn; R 22
Alkylphosphate	201-114-5	78-40-0	1..5%	Acute tox. oral Cat. 4; H302	Xn; R 22
Orange oil sweet	232-433-8	8028-48-6	1...5%	Flammable liquid Cat.3; H226 Eye irritant Cat.2; H319 STOT single ex. Cat.3; H335 Skin irritant Cat.2; H315	Xi; R 10, 36/37/38
Nonionic surfactants			1...5%	Skin irritant Cat. 2; H319 Eye corrosive Cat. 1; H318	Xi; R 38 - 41

(For full text of H- and R-phrases see section 15)

4. FIRST AID MEASURES

In case of inhalation:

Move the affected person into fresh air. Keep the patient warm.

In case of unconsciousness:

Place person into recovery position and consult a doctor.

In case of skin contact:

Remove any clothing soiled by the product. Wash off with soap and plenty of water.

In case of eye contact:

Rinse thoroughly with plenty of water for at least 15 minutes and consult a doctor.

In case of ingestion:

Do not induce vomiting. Rinse mouth with water. Consult a doctor.

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5. FIRE FIGHTING MEASURES

Suitable extinguishing media

Water (water mist), carbon dioxide (CO₂), fire extinguishing powder, alcohol resistant foam. Inappropriate extinguishing media - Full water jet

Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases

In case of fire, carbon monoxide, carbon dioxide or nitrous gases may arise. The inhalation of hazardous decomposition products may cause serious health problems. If necessary wear self-contained breathing apparatus for fire fighting.

6. ACCIDENTAL RELEASE MEASURES

Do not allow product to enter drains. Inform respective authorities in case product reaches rivers, lakes or sewage systems.

Methods for cleaning up

Absorb large amounts with liquid-binding material (sand, silica universal binders), store in closed containers. Absorb small amounts with absorbent material (cloth, fleece). Treat the absorbed material according to Section 13, disposal. Finally clean contaminated surfaces and objects thoroughly with water

7. HANDLING AND STORAGE

Safe handling

Avoid contact with eyes and skin.

Use only in adequately ventilated areas.

Wear protective clothing.

Keep in original container and keep container tightly closed when product is not in use.

Information about fire- and explosion protection

Product is not explosive. Vapours are heavier than air and may form explosive mixtures with air. Use the product only in areas where open fire and other sources of ignition are kept away.

Storage information

Store at: 10- 25 °C. Protect from freezing. Protect against heat. Store in original container only. Follow the instructions on the label. Do not expose to heat and direct sunlight. Keep container tightly closed when not in use. Store in a cool and well-ventilated location. Do not expose to oxidizing agents and strongly acid or alkaline materials.

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

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Version 1.01 Version Date: 28/07/14

Ensure good ventilation

Respiratory protection

In well ventilated areas no personal respiratory protection is needed.

Hand protection

Handle with gloves. Suitable is a solvent resistant glove certified according to EN 374. To protect against the common substances of the product: Nitrile rubber, neoprene; Material thickness > 0,4 mm; Break through time > 480 minutes. Unsuitable material: PVC, PVA.

Eye protection

If tools and supplies are used that may cause a splashing of the product (e.g. roll, brush or a high pressure cleaner during the secondary cleaning process), adequate eye protection should be provided.

Body protection

Choose body protection according to the amount and concentration of the dangerous substance at the work place.

9. PHYSICAL & CHEMICAL PROPERTIES

Appearance

Physical state:	liquid/gel
Colour:	transparent to yellowish
Odour:	fruity

Safety relevant basic data (liquid without thickener)

Explosive hazard:	Product is not explosive. However a formation of explosive vapour/air mixtures may occur
pH (20 °C):	5,0 – 7,0
Melting point/range:	Not determined
Boiling point:	Not determined
Flash point:	42 °C (Pensky Martens method A; this method may lead to vastly diverging, higher data)
Ignition temperature:	425°C
Vapour pressure (20 °C):	38 hPa
Vapour pressure (50 °C):	137 hPa
Density (20 °C):	0,994 g/cm ³
Water solubility (20 °C in g/l):	Emulsification
Lower explosion limit :	1,0 % (V)

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Upper explosion limit : 10,0 % (V)
Flow time: > 150 s (DIN 53211)

10. STABILITY AND REACTIVITY

Storage stability Stable under recommended storage conditions.

11. ECOLOGICAL INFORMATION

No data available

12. TOXICOLOGICAL INFORMATION

Ecotoxicity

Water hazard class 1 (self-rating): weak water-endangering. Do not allow product to enter ground water, bodies of water or sewage systems undiluted or in large amounts

Persistence and degradability

The product is readily biodegradable

13. DISPOSAL CONSIDERATIONS

Appropriate disposal

Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging

Contaminated packaging should be emptied at the best. After adequate cleaning it can be reused. Packaging that cannot be cleaned adequately has to be disposed of according to regional rules and regulations.

Cleaned packaging

Packaging that has not been contaminated and has been cleaned adequately can be reused. Suggested cleaning agent: water

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14. TRANSPORT INFORMATION

Not regulated for transport purposes

15. REGULATORY INFORMATION

EU Regulation

Chemical safety assessment A chemical safety assessment has not been carried out.

Water hazard class WGK 1 weak water-endangering (self-rating according to VwVwS, appendix 4 No. 3)

16. OTHER INFORMATION

The data in this safety data sheet is based on data considered to be accurate as of the date of revision. The information presented should be used as a guideline for the safe handling, storage, processing, transport and disposal of the product presented in this safety data sheet. The details named are not transferable to other products. If the indicated product of this safety data sheet is mingled, mixed or processed with other materials the details of this safety data sheet cannot be transferred. In no event shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages howsoever arising, even if the company has been advised of the possibility of such damages.

t: 0845 013 5654
e: info@ecgo.co.uk

14 North West Business Complex
Skeoge Industrial Estate
Beraghmore Road
Derry, BT48 8SE