



easy-offTM
CLEANING SOLUTION

easy-off

Description

Safe, environmentally friendly, fully biodegradable, non-hazardous and non-flammable. For use on all non porous colourfast surfaces

Remover has a pleasant aroma and can be safely used in confined and enclosed areas.

Available in plastic drum, can, wipe or pump action spray bottle

Benefits

None animal tested
 Non hazardous under COSHH & CHIP 11 Regulations
 Fully biodegradable – Environmentally friendly
 Low volatility - Safe to use
 Effective against Spray paints, Permanent markers, felt tip, ball-point pen, etc.
 Water rinseable – permits easy removal
 Low odour – pleasant to use
 Non flammable
 Cost effective – ready to use, concentrated remover

Application

- Remover is used UNDILUTED
- Test small inconspicuous area first
- Spray, brush or wipe over graffiti with Remover
- Leave for 3-4 minutes to allow remover to penetrate graffiti or stain
- On very old graffiti you may need to agitate the graffiti with a green nylon pad soaked in remover
- Rinse or wipe over with a clean damp cloth
- Repeat if necessary

Equipment

Brush Clean Cloths Clean Water Nylon Pads
 Green scourers

Health & Safety

See accompanying Health & Safety Sheet

Physical data

Colour	Transparent
Substrates	Non-porous, tile, mortar, existing coatings, brick and metals, etc.
Components	1
Mechanism	Chemical reaction with graffiti or stain
Dry film thickness	n/a
Number of coats	1 (usually)
Specific gravity	0.85
Calculated coverage	4 – 10 m ² per litre

Allow for application losses, surface irregularities, etc.

Application	By brush or roller Can also be sprayed
Pot life at 20°C	unlimited
Storage life	12 months in cool, dry place in sealed containers
Inflammable	no
Cleaner	water
Flash point	>65°C
Boiling point	>100°C
Packaging	
Spray bottle	500ml
Wipes	15 wipes per pouch
Can	5 litre
Plastic Drum	25 litre

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HEALTH & SAFETY DATA / SDS easy-off™

1. Identification

Product name easy-off™ Graffiti remover
 Supplier Urban Hygiene Ltd, Sky business Park, Robin Hood Airport, Doncaster, UK, DN9 3GN
 Telephone 01302 623193
 Fax 01302 623167
 Emergency phone 0044 7984 909160 (UK)

2. Hazards identification

Symbol :
 None
 Hazardous components:
 This product does not contain hazardous ingredients and is not classified under directive EC/1272/2008 and CHIP Regulations 2009

3. Composition

Components	EC No	CAS no.	Concentration	Classification
Dimethyl Succinate	203-419-9	106-65-0	>=12.00 - <18.00%	Xi;R36
Dimethyl Glutarate	214-277-2	1119-40-0	>=60.00 - <65.00%	
Dimethyl Adipate	211-020-6	627-93-0	>=12.00 - <25.00%	

4. First-Aid measures

General : In all cases of doubt, or when symptoms persist, seek medical advice. Never give anything by mouth to an unconscious person.
 Ingestion : If accidentally swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do not induce vomiting.
 Eyes : Remove any contact lenses. Immediately flush eyes with running water for at least 10 minutes, keeping eyelids open.
 Inhalation : Remove to fresh air. Keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice
 Skin contact : Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.
 Burns : If spills on clothing catch fire, wash with plenty of water. Remove loose clothing. Do not remove clothing that has melted to the skin. Obtain medical attention.

5. Fire-fighting measures

Extinguishing Media : No extinguishing media will be unsuitable.
 Extinguishing Media not to be used : Nil
 Specific hazards during fire fighting : Product can emit Carbon Dioxide or Carbon Monoxide during a fire. Exposure to decomposition products may cause a health hazard.
 Cool closed containers exposed to fire with water. Do not release runoff from fire fighting to drains or water courses.
 Special protective equipment for fire fighters: In the event of fire wear self contained breathing apparatus

6. Accidental release measures

Personal precautions Use personal protective equipment. Ventilate the area. Refer to protective measures listed in Sections 7 and 8. wear respiratory protection. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. Remove all sources of ignition.
 Environmental precautions Do not allow to enter drains or watercourses. If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations.
 Methods for cleaning up : Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulation (see section 13). Clean with a detergent; avoid use of solvents.
 Additional advice See section 15 for specific national regulation.

7. Handling and storage

Safe handling advice : Avoid contact with skin and eyes. Avoid the inhalation of dust, particulates and spray mist arising from the application of this preparation. Avoid inhalation of dust from sanding. Eating, drinking and smoking should be prohibited in area where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Put on appropriate personal protective equipment (see Section 8).
 Advice on protection against fire and explosion : Good house keeping standards will minimise the risk of spontaneous combustion and other fire hazards. Always keep in containers of same material as the original one. Comply with the health and safety at work laws.
 Storage : Observe label precautions. Keep container tightly closed. Keep away from heat, sparks and flame. Store in accordance with local regulations. Store between 5 and 35C in a cool, dry well ventilated area away from incompatible materials and ignition sources. No smoking. Prevent unauthorised access. Containers must be carefully resealed and kept upright to prevent leakage. Do not empty into drains.
 Advice on common storage : Keep away from: OXIDIZING AGENTS and strongly alkaline or acid materials

8. Exposure controls/personal protection

Engineering measures : Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.
 Respiratory system : If workers, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. Where exposed to concentrations above the exposure limit they must use appropriate, air-fed respirators until such time as the vapour concentration has fallen below the exposure limits.
 Skin and body protection : Personnel should wear protective clothing. Skin should be washed after contact.
 Hands : For prolonged or repeated handling, use protective gloves.
 Barrier creams may help to protect the exposed areas of the skin, they should however not be applied once exposure has occurred.
 Skin should be washed after contact.
 Use chemical resistant gloves classified under Standard EN 374: Protective gloves against chemicals and micro organisms.
 Recommended gloves : Viton. Minimum breakthrough time: 480 min.

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The recommended gloves are based on the most common solvent in this product.

When prolonged or frequently repeated contact may occur, a glove with a protection class of 6 (breakthrough time greater than 480 minutes according to EN 374) is recommended.

When only brief contact is expected, a glove with a protection class of 2 or higher (breakthrough time greater than 30 minute according to EN 374) is recommended.

Eyes : Use chemical resistant eyewear designed to protect against splash of liquids.

Environmental exposure : Refer to national regulations in chapter 15 for regulations on environmental protection.

9. Physical and chemical properties

Physical state	Liquid
Odour	mild orange
Vapour density	870kg/m ³ >1 (Air = 1)
Colour	Clear
Flash point	Closed cup 108°C
Boiling point	200°C
Density	1.14 g/cm ³ (20°C)
Water solubility	practically insoluble
pH	6 – 8 (7 is neutral)
Solubility	5g/100g water

10. Stability and reactivity

Conditions to avoid : Avoid temperatures above 60C, direct sunlight and contact with sources of heat.

Hazardous Decomposition Products : carbon monoxide, carbon dioxide

Hazardous reactions : During reasonable foreseeable use, no hazardous decomposition products will be generated by this product.

11. Toxicological information

Product information : The product presents no significant risk hazards when used for its designated purpose and applied in accordance with instructions.

Skin irritation : Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin. Repeated skin contact may lead to mild irritation.

Eye contact : The liquid splashed in the eyes may cause mild irritation and reversible damage.

12. Ecological information

There are no data available on the preparation itself. Do not allow to enter drains or watercourses. The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and is not classified as dangerous for the environment. See sections 2 and 5 for details. This preparation is not expected to be persistent in the environment or have a significant bio accumulative potential.

13. Disposal considerations

Do not allow to enter drains or watercourses. Dispose of residues and packaging as non hazardous waste.

Waste key for unused product : The European waste catalogue classification for this product when disposed of as waste is non hazardous

14. Transport information

Always transport in closed containers that are upright labeled and secure. Not classified as dangerous in the meaning of the international transport regulations

15. Regulatory information

The product is not classified in accordance with directive EC/1272/2008

Indication of Danger : none

Risk Phrases : none

Safety Phrases : Not classified but we recommend the following as good practice

- S23 - Do not breathe spray.
- S26 - In case of contact with eyes, rinse immediately with plenty of fresh water
- S36/37 - Wear suitable protected clothing and gloves.
- S38 - In case of insufficient ventilation wear suitable respiratory equipment
- S48 - In case of accident or feeling unwell seek medical advice and show label

P-phrases : none

This information as provided does not constitute the users own assessment of workplace risks, as required by other health and safety legislation. The provisions of the national health and safety at work regulations apply to the use of this product at work.

Further information HS (G) 37, An introduction to Local Exhaust Ventilation, HSE.; Health and Safety at Work Etc Act, 1974, and relevant Statutory Provisions.;

Environmental Protection Act, 1990 and associated legislation.; The Hazardous Waste Regulations, 2005.; The Chemicals (Hazard Information and Packaging for Supply) Regulations, 2009 and amendments.; EH 40, Occupational Exposure Limits, HSE. Revised annually, HS(G) 53; Respiratory Protective Equipment – A practical guide for Users, HSE., HS(G) 97; A Step guide to COSHH Regulations, HSE., EH 173.

16. Other information

Date of issue 23/04/2010.

Ref: easy-off /SDS/1062010/AGA/SYPOL

The information of this SDS is based on the present state of our knowledge and on current EU and national laws. The product is not to be used for other purposes than those specified under section 1 without first obtaining written handling instruction.

It is always the responsibility of the user to take all necessary steps in order to fulfil the demand laid down in the local rules and legislation.

The information in this SDS is meant as a description of the safety requirements of our product: it is not to be considered as a guarantee of the products properties.