

SAFETY DATA SHEET

OFF PLASTICS & LAMINATES

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name OFF PLASTICS & LAMINATES

Product number M175

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Graffiti remover for plastics and polycarbonates

1.3. Details of the supplier of the safety data sheet

Supplier **SELDEN RESEARCH LIMITED**
STADEN LANE
BUXTON
DERBYSHIRE
SK17 9RZ
UNITED KINGDOM

Tel. 01298 26226
Fax. 01298 26540
email safety@selden.co.uk

1.4. Emergency telephone number

National emergency telephone number Mon to Fri 8.30am to 5.00pm - 01298 26226

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards

Flam. Liq. 3 - H226

Health hazards

Skin Irrit. 2 - H315 Eye Dam. 1 - H318 STOT SE 3 - H336

Environmental hazards

Not Classified

Classification (67/548/EEC or 1999/45/EC)

Xi;R38,R41. R10.

2.2. Label elements

Pictogram



Signal word

Danger

Hazard statements

H315 Causes skin irritation.
H318 Causes serious eye damage.
H336 May cause drowsiness or dizziness.
H226 Flammable liquid and vapour.

Precautionary statements

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P102 Keep out of reach of children.
P261 Avoid breathing vapour/spray.
P271 Use only outdoors or in a well-ventilated area.
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 water.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P315 Get immediate medical advice/attention.
P501 Dispose of contents/container in accordance with local regulations.

Contains 1-METHOXY-2-PROPANOL, Alcoholic Ethoxylate

2.3. Other hazards

No other hazards known. This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

| | |
|--|---|
| 3-BUTOXYPROPAN-2-OL CAS number: 5131-66-8 EC number: 225-878-4 | 30-60% |
| Classification Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 | Classification (67/548/EEC or 1999/45/EC) Xi;R36/38 |
| 1-METHOXY-2-PROPANOL CAS number: 107-98-2 EC number: 203-539-1 | 30-60% |
| Classification Flam. Liq. 3 - H226 STOT SE 3 - H336 | Classification (67/548/EEC or 1999/45/EC) R10 |
| Alcoholic Ethoxylate CAS number: 160901-19-9 EC number: — | 10-30% |
| Classification Acute Tox. 4 - H302 Eye Dam. 1 - H318 | Classification (67/548/EEC or 1999/45/EC) Xn;R22. Xi;R41. |

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation

Move affected person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.

Ingestion

Remove affected person from source of contamination. Do not induce vomiting. Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention.

Skin contact

Remove affected person from source of contamination. Remove contaminated clothing. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing.

Eye contact

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Remove any contact lenses and open eyelids wide apart. Important! Immediately rinse with water for at least 15 minutes. Get medical attention immediately. Continue to rinse.

4.2. Most important symptoms and effects, both acute and delayed

General information

The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation

Irritation of nose, throat and airway.

Ingestion

May cause stomach pain or vomiting.

Skin contact

Skin irritation. Prolonged or repeated contact with skin may cause irritation, redness and dermatitis.

Eye contact

Causes serious eye damage.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Use fire-extinguishing media suitable for the surrounding fire. Extinguish with the following media: Dry chemicals, sand, dolomite etc. Foam. Water spray.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products

When heated, vapours/gases hazardous to health may be formed.

5.3. Advice for firefighters

Protective actions during firefighting

Use water to keep fire exposed containers cool and disperse vapours.

Special protective equipment for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

For personal protection, see Section 8.

6.2. Environmental precautions

Environmental precautions

Any spillage needs to be contained and not allowed to enter water courses. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up

Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water.

6.4. Reference to other sections

Reference to other sections

For personal protection, see Section 8. For waste disposal, see Section 13.

SECTION 7: Handling and storage

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7.1. Precautions for safe handling

Usage precautions

Avoid spilling. Avoid contact with skin and eyes.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep only in the original container.

7.3. Specific end use(s)

Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

Usage description

See product label for detailed usage and instructions.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

1-METHOXY-2-PROPANOL

Long-term exposure limit (8-hour TWA): 100 ppm(Sk) 357 mg/m³(Sk)

Short-term exposure limit (15-minute): 150 ppm(Sk) 560 mg/m³(Sk)

Ingredient comments

WEL = Workplace Exposure Limits

8.2. Exposure controls

Protective equipment



Eye/face protection

Tight-fitting safety glasses.

Hand protection

Wear protective gloves made of the following material: It is recommended that gloves are made of the following material: Nitrile rubber.

Other skin and body protection

General workwear only

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance

Opaque liquid. Viscous liquid. Liquid

Colour

White / off-white.

Odour

Solvent.

Initial boiling point and range

100°C @

Flash point

41°C CC (Closed cup).

Bulk density

0.934 kg/l

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Solubility(ies)

Miscible with water

9.2. Other information

Other information

None.

SECTION 10: Stability and reactivity

10.1. Reactivity

May react with other cleaning chemicals. For specific reactions refer to Section 10.5

10.2. Chemical stability

Stability

Stable at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Not known.

10.4. Conditions to avoid

Avoid contact with other chemicals.

10.5. Incompatible materials

Materials to avoid

Do not mix or use with other products.

10.6. Hazardous decomposition products

Thermal decomposition or combustion products may include the following substances: Toxic gases/vapours/fumes of: Carbon dioxide (CO₂). Carbon monoxide (CO).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects

No toxicological data is available for this mixture, however data can be provided for specific raw materials upon request.

Acute toxicity - oral

ATE oral (mg/kg)

4,757.37392959

Inhalation

May cause respiratory system irritation.

Ingestion

Gastrointestinal symptoms, including upset stomach.

Skin contact

Irritating to skin. Prolonged or repeated exposure may cause severe irritation.

Eye contact

Risk of serious damage to eyes. Irritation of eyes and mucous membranes.

SECTION 12: Ecological Information

Ecotoxicity

Not classed as Hazardous to the Environment but release to the environment should be avoided.

12.1. Toxicity

Aquatic toxicity has not been carried out on this product. Data for raw materials contained in this product, when available, can be provided when necessary.

12.2. Persistence and degradability

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Persistence and degradability

The surfactants contained within the product comply with the biodegradability criteria as laid down in Regulation (EC) No 648/2004.

12.3. Bioaccumulative potential

The product does not contain any substances expected to be bioaccumulating.

12.4. Mobility in soil

Mobility

The product contains substances, which are water soluble and may spread in water systems.

12.5. Results of PBT and vPvB assessment

This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods

Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

UN No. (IMDG) 1993

UN No. (ICAO) 1993

14.2. UN proper shipping name

Not applicable.

Proper shipping name (ADR/RID) FLAMMABLE LIQUID NOS. (Propylene based glycol ethers)

Proper shipping name (IMDG) FLAMMABLE LIQUID NOS. (Propylene based glycol ethers)

Proper shipping name (ICAO) FLAMMABLE LIQUID NOS. (Propylene based glycol ethers)

Proper shipping name (ADN) FLAMMABLE LIQUID NOS. (Propylene based glycol ethers)

14.3. Transport hazard class(es)

Not applicable.

ADR/RID class 3

IMDG class 3

Transport labels

14.4. Packing group

Not applicable.

14.5. Environmental hazards

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14.6. Special precautions for user

No information required.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716). Control of Substances Hazardous to Health Regulations 2002 (as amended).

EU legislation

System of specific information relating to Dangerous Preparations. 2001/58/EC. Dangerous Preparations Directive 1999/45/EC. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended). Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

Guidance

Workplace Exposure Limits EH40. CHIP for everyone HSG228. Approved Classification and Labelling Guide (Sixth edition) L131.

15.2. Chemical safety assessment

No chemical assessment has been carried out as this Safety Data Sheet is for a mixture.

SECTION 16: Other information

General information

The following risk phrases relate to the raw materials in the product and not the product itself:-

Revision comments

Safety Data Sheet revised to be in accordance with EU Regulation No 453/2010 - REACH Regulations.

Revision date 29/03/2010

Revision 3

Risk phrases in full

R10 Flammable.
R22 Harmful if swallowed.
R36/38 Irritating to eyes and skin.
R38 Irritating to skin.
R41 Risk of serious damage to eyes.

Hazard statements in full

H226 Flammable liquid and vapour.
H302 Harmful if swallowed.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.