

OB1 MULTI SURFACE CLEANER
Date: 18.04.2023

Replaces: 12.06.2020
Ref: 0387.1.BA/DL

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

1.1. Product Identifier

Product Name OB1 MULTI SURFACE CLEANER
Pure substance/mixture Mixture

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

Recommended use General Purpose Cleaner - Aerosol.
Uses advised against None known

1.3. Details of the supplier of the safety data sheet

Company Name
Siroflex Limited
Dodworth Business Park
Dodworth, Barnsley
South Yorkshire, S75 3SP
Tel +44 (0)1226 771600

E-mail address

1.4. Emergency telephone number

United Kingdom + 44 (0) 1226 771600 (Office Hours Only)
Ireland **NPIC - National Poison Information Centre**
Members of the Public: +353 (01) 8092166 (8.00 am to 10.00 pm - 7 days a week)
Healthcare Professionals: +353 (01) 8092566 (24 hour service)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

| | |
|--|---------------------------|
| Specific target organ toxicity (single exposure) | Category 3 - (H336) |
| aerosols | Category 1 - (H222, H229) |

2.2. Label Elements

Contains: Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics



Signal word
Danger

Hazard statements

H336 - May cause drowsiness or dizziness.
H222 - Extremely flammable aerosol.
H229 - Pressurised container: May burst if heated.

EU Specific Hazard Statements

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EUH066 - Repeated exposure may cause skin dryness or cracking

Precautionary statements

P101 - If medical advice is needed, have product container or label at hand.
P102 - Keep out of reach of children.
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211 - Do not spray on an open flame or other ignition source.
P251 - Do not pierce or burn, even after use.
P261 - Avoid breathing vapours/spray.
P410 + P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501 - Dispose of contents/ container to an approved waste disposal plant.

Additional information

This product requires tactile warnings if supplied to the general public. This product requires child resistant fastenings if supplied to the general public. This product requires child resistant fastenings when supplied to the general public unless the product is placed on the market in the form of aerosols or in a container with a sealed spray attachment.

2.3. Other Hazards

In case of insufficient ventilation and/or through use, the formation of a explosive/highly flammable mixture is possible

PBT & vPvB

This mixture contains no substance considered to be persistent, bioaccumulating or toxic (PBT). This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

| Chemical name | EC No. | CAS No | Weight-% | Classification according to Regulation (EC) No. 1272/2008 [CLP] | Specific concentration limit (SCL) | REACH Registration Number |
|---|-----------|------------|----------|--|------------------------------------|---------------------------|
| Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics | 919-857-5 | 64742-48-9 | 40 - <80 | STOT SE 3 (H336) Asp. Tox. 1 (H304) (EUH066) Flam. Liq. 3 (H226) | | 01-2119463258-33 |
| Butane | 203-448-7 | 106-97-8 | 10 - <20 | Flam. Gas 1 (H220) Press. Gas | | 01-2119474691-32-XXXX |
| Propane | 200-827-9 | 74-98-6 | 10 - <20 | Flam. Gas 1 (H220) Press. Gas | | 01-2119486944-21-XXXX |
| Isobutane | 200-857-2 | 75-28-5 | 10 - <20 | Flam. Gas 1 (H220) Press. Gas | | 01-2119485395-27-XXXX |

Full text of H- and EUH-phrases: see section 16

Note: ^ indicates not classified, however, the substance is listed in section 3 as it has an OEL

This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (Regulation (EC) No.

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1907/2006 (REACH), Article 59)

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|---|---|
| General advice | Immediate medical attention is required. Show this safety data sheet to the doctor in attendance. |
| Inhalation | Remove to fresh air. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. If breathing has stopped, give artificial respiration. Get medical attention immediately. |
| Eye contact | Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a doctor. |
| Skin contact | Wash skin with soap and water. In the case of skin irritation or allergic reactions see a doctor. |
| Ingestion | Rinse mouth thoroughly with water. Drink 1 or 2 glasses of water. Never give anything by mouth to an unconscious person. Call a doctor or poison control centre immediately. |
| Self-protection of the first aider | Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Use personal protective equipment as required. |

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

| | |
|-----------------|--|
| Symptoms | Difficulty in breathing. Coughing and/ or wheezing. Dizziness. Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting. |
|-----------------|--|

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

| | |
|------------------------|---|
| Note to doctors | Because of the danger of aspiration, emesis or gastric lavage should not be used unless the risk is justified by the presence of additional toxic substances. |
|------------------------|---|

SECTION 5: Firefighting measures

5.1. Extinguishing media

| | |
|---------------------------------------|---|
| Suitable extinguishing media | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
| Unsuitable extinguishing media | Full water jet. Do not scatter spilled material with high pressure water streams. |

5.2. Special hazards arising from the substance or mixture

| | |
|---|---|
| Specific hazards arising from the chemical | Thermal decomposition can lead to release of toxic and corrosive gases/vapours. |
|---|---|

5.3. Advice for firefighters

| | |
|---|--|
| Special protective equipment for fire-fighters | Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment. |
|---|--|

SECTION 6: Accidental release measures

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6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Evacuate personnel to safe areas. Ensure adequate ventilation. Use personal protective equipment as required.

Other information Refer to protective measures listed in Sections 7 and 8.

For emergency responders Use personal protection recommended in Section 8.

6.2. Environmental precautions

Environmental precautions Do not flush into surface water or sanitary sewer system. Do not allow to enter into soil/subsoil. See Section 12 for additional Ecological Information.

6.3. Methods and material for containment and cleaning up

Methods for containment Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.

Methods for cleaning up Take up mechanically, placing in appropriate containers for disposal.

6.4. Reference to other sections

Reference to other sections See section 8 for more information. See section 13 for more information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice. Avoid breathing vapours or mists. Provide a good standard of controlled ventilation (10 to 15 air changes per hour). In case of insufficient ventilation, wear suitable respiratory equipment.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Take off all contaminated clothing and wash it before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Keep at a temperature not exceeding 50 °C. Store locked up. Keep out of the reach of children. Store away from other materials.

7.3. Specific end use(s)

Specific Use(s)
General Purpose Cleaner - Aerosol.

Risk Management Methods (RMM) The information required is contained in this Safety Data Sheet.

Other information Observe technical data sheet.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limits

| Chemical name | European Union | Ireland | United Kingdom |
|----------------------------------|----------------|---------|----------------|
| Hydrocarbons, C9-C11, n-alkanes, | - | - | TWA: 150 ppm |

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| | | | |
|--|---|---------------------------------------|--|
| isoalkanes, cyclics, <2% aromatics 64742-48-9 | | | 1000 mg/m ³ |
| Butane 106-97-8 | - | TWA: 1000 ppm STEL: 3000 ppm | TWA: 600 ppm TWA: 1450 mg/m ³ STEL: 750 ppm STEL: 1810 mg/m ³ |
| Propane 74-98-6 | - | STEL: 3000 ppm | - |
| Isobutane 75-28-5 | - | TWA: 1000 ppm (8hr) STEL: 1000 ppm | - |

Derived No Effect Level (DNEL) No information available

| Derived No Effect Level (DNEL) | | | |
|--|----------------|--------------------------------|---------------|
| Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics (64742-48-9) | | | |
| Type | Exposure route | Derived No Effect Level (DNEL) | Safety factor |
| Long term Systemic health effects | Dermal | 300 mg/kg bw/d | |
| Long term Systemic health effects | Inhalation | 1500 mg/m ³ | |

Predicted No Effect Concentration (PNEC) No information available.

8.2. Exposure controls

Engineering controls Ensure adequate ventilation, especially in confined areas. Vapours/aerosols must be exhausted directly at the point of origin.

Personal Protective Equipment

Eye/face protection Wear safety glasses with side shields (or goggles). Eye protection must conform to standard EN 166.

Hand protection Wear suitable gloves. Glove thickness > 0.7mm. Butyl rubber. Nitrile rubber. The breakthrough time for the mentioned glove material is in general greater than 480 min. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. Gloves must conform to standard EN 374

Skin and body protection Wear appropriate personal protective clothing to prevent skin contact.

Respiratory protection Ensure adequate respiratory protection during spray applications. In case of insufficient ventilation, wear suitable respiratory equipment.

Recommended filter type: Organic gases and vapours filter conforming to EN 14387. Wear a respirator conforming to EN 140 with Type A filter or better.

Environmental exposure controls No information available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state Aerosol
Appearance Liquid
Colour Colourless
Odour Solvent
Odour threshold No information available

| Property | Values | Remarks • Method |
|--------------------------------|-------------------------|-------------------------|
| pH | No data available | |
| Melting point / freezing point | No data available | |
| Boiling point / boiling range | Not applicable, Aerosol | Not applicable, Aerosol |

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| | | |
|--|-------------------------|-------------------------|
| Flash point | Not applicable, Aerosol | Not applicable, Aerosol |
| Evaporation rate | No data available | |
| Flammability (solid, gas) | No data available | |
| Flammability Limit in Air | | |
| Upper flammability or explosive limits | No data available | |
| Lower flammability or explosive limits | No data available | |
| Vapour pressure | No data available | |
| Relative vapour density | No data available | |
| Relative density | No data available | |
| Water solubility | Immiscible in water | |
| Solubility(ies) | No data available | |
| Partition coefficient | No data available | |
| Autoignition temperature | >200 °C | |
| Decomposition temperature | No data available | |
| Kinematic viscosity | No data available | |
| Dynamic viscosity | No data available | |
| Explosive properties | No data available | |
| Oxidising properties | No data available | |

9.2. Other information

| | |
|-------------------|---------------------------|
| Solid content (%) | No information available |
| VOC Content (%) | 659.9 g/L 100 % |
| Density | 0.65991 g/cm ³ |

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity No information available.

10.2. Chemical stability

Stability Stable under normal conditions.

Explosion data

Sensitivity to mechanical impact None.

Sensitivity to static discharge None.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

10.4. Conditions to avoid

Conditions to avoid None known based on information supplied.

10.5. Incompatible materials

Incompatible materials None known based on information supplied.

10.6. Hazardous decomposition products

Hazardous decomposition products None under normal use conditions. Thermal decomposition can lead to release of irritating and toxic gases and vapours: Carbon oxides.

SECTION 11: Toxicological information

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11.1. Information on toxicological effects

Information on likely routes of exposure

Product Information

| | |
|---------------------|--|
| Inhalation | Specific test data for the substance or mixture is not available. May cause drowsiness or dizziness. |
| Eye contact | Specific test data for the substance or mixture is not available. May cause irritation. |
| Skin contact | Repeated exposure may cause skin dryness or cracking. |
| Ingestion | Specific test data for the substance or mixture is not available. Potential for aspiration if swallowed. May cause lung damage if swallowed. Aspiration may cause pulmonary edema and pneumonitis. May be fatal if swallowed and enters airways. |

Symptoms related to the physical, chemical and toxicological characteristics

| | |
|-----------------|--|
| Symptoms | Difficulty in breathing. Coughing and/ or wheezing. Dizziness. Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting. |
|-----------------|--|

Numerical measures of toxicity

Acute toxicity

Component Information

| Chemical name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---|----------------------|--------------------------------------|---|
| Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics 64742-48-9 | >6000 mg/kg (Rattus) | > 3160 mg/kg (Oryctolagus cuniculus) | LC50 Vapour (4h) >5020 mg/m ³ (Rattus) |
| Butane 106-97-8 | | | =658 g/m ³ (Rattus) 4 h |
| Propane 74-98-6 | | | >800000 ppm (Rattus) 15 min |
| Isobutane 75-28-5 | | | =658 mg/L (Rattus) 4 h |

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

Germ cell mutagenicity Based on available data, the classification criteria are not met.

The table below indicates ingredients above the cut-off threshold considered as relevant which are listed as mutagenic.

Carcinogenicity Based on available data, the classification criteria are not met.

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Reproductive toxicity Based on available data, the classification criteria are not met.

STOT - single exposure May cause drowsiness or dizziness.

STOT - repeated exposure Based on available data, the classification criteria are not met.

Aspiration hazard May be fatal if swallowed and enters airways.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity

| Chemical name | Algae/aquatic plants | Fish | Toxicity to microorganisms | Crustacea | M-Factor | M-Factor (long-term) |
|---|--|--|----------------------------|--|----------|----------------------|
| Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics 64742-48-9 | EL50 (72h) > 1000 mg/l (Pseudokirchneriella subcapitata) OECD 201 | LC50: =2200mg/L (96h, Pimephales promelas) | - | LL50 (48h) > 1000 mg/l (Daphnia magna) OECD 202 | | |

12.2. Persistence and degradability

Persistence and degradability No information available.

12.3. Bioaccumulative potential

Bioaccumulation No information available.

| Chemical name | Partition coefficient | Bioconcentration factor (BCF) |
|----------------------|-----------------------|-------------------------------|
| Butane 106-97-8 | 2.89 | - |
| Propane 74-98-6 | 2.3 | - |
| Isobutane 75-28-5 | 2.88 | 1.97 |

12.4. Mobility in soil

Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment

| Chemical name | PBT and vPvB assessment |
|---|--|
| Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics 64742-48-9 | The substance is not PBT / vPvB |
| Butane 106-97-8 | The substance is not PBT / vPvB PBT assessment does not apply |
| Propane 74-98-6 | The substance is not PBT / vPvB |

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| | |
|----------------------|---------------------------------|
| Isobutane 75-28-5 | The substance is not PBT / vPvB |
|----------------------|---------------------------------|

12.6. Other adverse effects

Other adverse effects No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

| | |
|-------------------------------------|--|
| Waste from residues/unused products | Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable. |
| Contaminated packaging | Do not reuse empty containers. Handle contaminated packages in the same way as the product itself. |
| European Waste Catalogue | 16 05 04* gases in pressure containers (including halons) containing dangerous substances 15 01 04 metallic packaging |
| Other information | Waste codes should be assigned by the user based on the application for which the product was used. |

SECTION 14: Transport information

Land transport (ADR/RID)

| | |
|---------------------------------|--------------------------|
| 14.1 UN number or ID number | UN1950 |
| 14.2 Proper Shipping Name | Aerosols |
| 14.3 Transport hazard class(es) | 2 |
| Labels | 2.2 |
| 14.4 Packing group | Not regulated |
| Description | UN1950, Aerosols, 2, (E) |
| 14.5 Environmental hazards | Not applicable |
| 14.6 Special Provisions | 327, 625, 344, 190 |
| Classification code | 5A |
| Tunnel restriction code | (E) |
| Limited Quantity (LQ) | 1 L |

IMDG

| | |
|---|----------------------------------|
| 14.1 UN number or ID number | UN1950 |
| 14.2 Proper Shipping Name | Aerosols |
| 14.3 Transport hazard class(es) | 2.1 |
| 14.4 Packing group | Not regulated |
| Description | UN1950, Aerosols, 2.1 |
| 14.5 Marine pollutant | NP |
| 14.6 Special Provisions | 63, 190, 277, 327, 344, 381, 959 |
| Limited Quantity (LQ) | See SP277 |
| EmS-No | F-D, S-U |
| 14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code | Not applicable |

Air transport (ICAO-TI / IATA-DGR)

| | |
|---------------------------------|----------------------------------|
| 14.1 UN number or ID number | UN1950 |
| 14.2 Proper Shipping Name | Aerosols, flammable |
| 14.3 Transport hazard class(es) | 2.1 |
| 14.4 Packing group | Not regulated |
| Description | UN1950, Aerosols, flammable, 2.1 |
| 14.5 Environmental hazards | Not applicable |

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| | |
|-------------------------|------------------|
| 14.6 Special Provisions | A145, A167, A802 |
| Limited Quantity (LQ) | 30 kg G |
| ERG Code | 10L |

Section 15: REGULATORY INFORMATION

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

European Union

Registration, Evaluation, Authorization, and Restriction of Chemicals (REACH) Regulation (EC 1907/2006)

SVHC: Substances of Very High Concern for Authorisation:

This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (Regulation (EC) No. 1907/2006 (REACH), Article 59)

EU-REACH (1907/2006) - Annex XVII - Substances subject to Restriction

This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

Substance subject to authorisation per REACH Annex XIV

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV)

Ozone-depleting substances (ODS) regulation (EC) 1005/2009

Not applicable

Persistent Organic Pollutants

Not applicable

National regulations

15.2. Chemical safety assessment

Chemical Safety Assessments have been carried out by the Reach registrants for substances registered at >10 tpa. No Chemical Safety Assessment has been carried out for this mixture

SECTION 16: Other information

Key or legend to abbreviations and acronyms used in the safety data sheet

Full text of H-Statements referred to under section 3

EUH066 - Repeated exposure may cause skin dryness or cracking

H220 - Extremely flammable gas

H226 - Flammable liquid and vapour

H304 - May be fatal if swallowed and enters airways

H336 - May cause drowsiness or dizziness

Legend

| | |
|---------|-----------------------------------|
| TWA | TWA (time-weighted average) |
| STEL | STEL (Short Term Exposure Limit) |
| Ceiling | Ceiling Limit Value |
| * | Skin designation |
| SVHC | Substance(s) of Very High Concern |

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| | |
|---------|---|
| PBT | Persistent, Bioaccumulative, and Toxic (PBT) Chemicals |
| vPvB | Very Persistent and very Bioaccumulative (vPvB) Chemicals |
| STOT RE | Specific target organ toxicity - Repeated exposure |
| STOT SE | Specific target organ toxicity - Single exposure |
| EWC | European Waste Catalogue |

Key literature references and sources for data

No information available

Prepared By Product Safety & Regulatory Affairs

Revision date 27-Jan-2021

Indication of changes

Revision note Not applicable.

Training Advice No information available

Further information No information available

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet