

This safety data sheet was created pursuant to the requirements of: Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

## **OB1 BIODEGRADABLE HEAVY DUTY CLEANING WIPES**

Date 25.02.2025

Replaces: N/A Ref:0639.0.PDI/DL

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

1.1. Product identifier

**OB1 BIODEGRADABLE HEAVY DUTY CLEANING WIPES Product Name** 

Pure substance/mixture Mixture

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

Recommended use Wipes

None known Uses advised against

### 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 Fax +44 (0)1226 771601

Further information available from: www.ob1original.com

#### 1.4. Emergency telephone number

**United Kingdom** Ireland

+ 44 (0) 1226 771600 (Office Hours Only) **NPIC - National Poison Information Centre** 

Members of the Public: +353 (0)1 8092166 (8.00 am to 10.00 pm - 7 days a week)

Healthcare Professionals: +353 (0)1 8092566 (24 hour service)

**Europe** 

## **SECTION 2: Hazards identification**

#### 2.1. Classification of the substance or mixture

This classification does not apply to cosmetics products

GB CLP (SI 2020/1567 as amended)

Serious eye damage/eye irritation Category 2 - (H319)

## 2.2. Label elements

The labelling requirements according to regulation (EC) No 1272/2008 do not apply to cosmetics products



Signal word Warning

**Hazard statements** 

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H319 - Causes serious eye irritation.

#### **EU Specific Hazard Statements**

EUH208 - Contains D-Limonene. May produce an allergic reaction

#### Precautionary Statements - EU (§28, 1272/2008)

P101 - If medical advice is needed, have product container or label at hand

P102 - Keep out of reach of children

P280 - Wear eye protection/ face protection

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

P337 + P313 - If eye irritation persists: Get medical advice/attention

#### 2.3. Other hazards

Harmful to aquatic life.

#### 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 (EU Index No).	CAS No	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	M-Factor	M-Factor (long-ter m)	REACH registration number
Alcohols, C9-11, ethoxylated 1 - <3 %	614-482-0	68439-46-3	Eye Dam. 1 (H318)	•	-	-	01-2119980051- 45-XXXX
D-gluconic acid, compound with N,N"-bis(4-chlorophenyl) -3,12-diimino-2,4,11,13-t etraazatetradecanediami dine (2:1) 0.1 - <0.3 %		18472-51-0	Eye Dam. 1 (H318) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	-	10	1	01-2119946568- 22-xxxx
1,3-bis(hydroxymethyl)-5 ,5-dimethylimidazolidine- 2,4-dione 0.1 - <0.3 %	229-222-8	6440-58-0	Acute Tox. 4 (H302)	-	-	-	01-2119976015- 37-xxxx
D-Limonene 0.1 - <0.3 %	227-813-5 (601-096-00- 2)	5989-27-5	Skin Irrit. 2 (H315) Skin Sens. 1 (H317) Asp. Tox. 1 (H304) Aquatic Acute 1 (H400) Aquatic Chronic 3 (H412) Flam. Liq. 3 (H226)	-	1	1	01-2119529223- 47-XXXX

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

#### **Acute Toxicity Estimate**

If LD50/LC50 data is not available or does not correspond to the classification category, then the appropriate conversion value from CLP Annex I, Table 3.1.2, is used to calculate the acute toxicity estimate (ATEmix) for classifying a mixture based on its components

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Chemical name	EC No (EU Index No)	CAS No.	Oral LD50 mg/kg	Dermal LD50 mg/kg	Inhalation LC50 - 4 hour - dust/mist - mg/L	Inhalation LC50 - 4 hour - vapour - mg/L	
Alcohols, C9-11, ethoxylated	614-482-0	68439-46-3	-	-	-	-	-
D-gluconic acid, compound with N,N"-bis(4-chloropheny I)-3,12-diimino-2,4,11,1 3-tetraazatetradecanedi amidine (2:1)		18472-51-0	1	-	-	-	-
1,3-bis(hydroxymethyl)- 5,5-dimethylimidazolidi ne-2,4-dione	229-222-8	6440-58-0	2000	-	-	-	-
D-Limonene	227-813-5 (601-096-00-2)	5989-27-5	-	-	-	-	-

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

## **SECTION 4: First aid measures**

#### 4.1. Description of first aid measures

General advice Show this safety data sheet to the doctor in attendance.

Inhalation Remove to fresh air.

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. Get medical attention if irritation develops and

persists.

Skin contact Wash skin with soap and water. In the case of skin irritation or allergic reactions see a

doctor.

Ingestion Rinse mouth. Never give anything by mouth to an unconscious person. Do NOT induce

vomiting. Call a doctor.

Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section Self-protection of the first aider

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

May cause redness and tearing of the eyes. Burning sensation. **Symptoms** 

**Effects of Exposure** No information available.

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

No information available. Note to doctors

#### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the Suitable Extinguishing Media

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surrounding environment.

No information available. Unsuitable extinguishing media

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the

chemical

No information available.

**Hazardous combustion products** Carbon oxides.

5.3. Advice for firefighters

precautions for fire-fighters

Special protective equipment and Firefighters should wear self-contained breathing apparatus and full firefighting turnout

gear. Use personal protection equipment.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid contact with skin, eyes or clothing. 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** See Section 12 for additional Ecological Information.

6.3. Methods and material for containment and cleaning up

**Methods for containment** Prevent further leakage or spillage if safe to do so.

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

Clean contaminated objects and areas thoroughly observing environmental regulations. Prevention of secondary hazards

6.4. Reference to other sections

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

#### **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 contact

with skin, eyes or clothing. Do not eat, drink or smoke when using this product.

General hygiene considerations Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection.

Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a dry, cool and well-ventilated place. **Storage Conditions** 

7.3. Specific end use(s)

Specific use(s)

Wipes.

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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	United Kingdom
Glycerin	-	TWA: 10 mg/m <sup>3</sup>
56-81-5		STEL: 30 mg/m <sup>3</sup>
1,2-Propylene glycol	-	TWA: 150 ppm
57-55-6		TWA: 474 mg/m <sup>3</sup>
		TWA: 10 mg/m <sup>3</sup>
		STEL: 450 ppm
		STEL: 1422 mg/m <sup>3</sup>
		STFL: 30 mg/m <sup>3</sup>

**Derived No Effect Level (DNEL)** No information available

Predicted No Effect Concentration No information available. (PNEC)

Predicted No Effect Concentration (PNEC)	
D-Limonene (5989-27-5)	
Environmental compartment	Predicted No Effect Concentration (PNEC)
Freshwater	14 μg/l
Marine water	1.4 μg/l
Sewage treatment plant	1.8 mg/l
Freshwater sediment	3.85 mg/kg dry weight
Marine sediment	0.385 mg/kg dry weight
Soil	0.763

#### 8.2. Exposure controls

**Engineering controls** Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Tight sealing safety goggles. Eye/face protection Skin and body protection Suitable protective clothing.

Environmental exposure controls No information available.

## SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

**Physical state** Liquid **Appearance** Wipes

No information available Colour Odour No information available.

Remarks • Method Property Values

No data available Melting point / freezing point None known Initial boiling point and boiling > 93 °C None known

range

Flammability No data available None known Flammability Limit in Air None known

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Upper flammability or explosive No data available

limits

Lower flammability or explosive No data available

limits

No data available None known Flash point Autoignition temperature No data available None known

**Decomposition temperature** None known

No data available None known. pН pH (as aqueous solution) No data available None known Kinematic viscosity No data available None known

**Dynamic viscosity** No data available

Water solubility No data available. None known Solubility(ies) No data available None known **Partition coefficient** No data available None known Vapour pressure No data available None known Relative density No data available None known

No data available **Bulk density** No data available **Liquid Density** 

Relative vapour density No data available None known

**Particle characteristics** 

No information available **Particle Size Particle Size Distribution** No information available

9.2. Other information

No information available Solid content (%)

**VOC** content No data available

9.2.1. Information with regards to physical hazard classes

Not applicable

9.2.2. Other safety characteristics

No information available

## SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity No information available.

10.2. Chemical stability

Stable under normal conditions. Stability

**Explosion data** 

Sensitivity to mechanical None.

impact

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.

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#### 10.6. Hazardous decomposition products

Hazardous decomposition

None under normal use conditions. Stable under recommended storage conditions.

products

### **SECTION 11: Toxicological information**

#### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Information on likely routes of exposure

#### **Product Information**

Inhalation Specific test data for the substance or mixture is not available. May cause irritation of

respiratory tract.

Eye contact Specific test data for the substance or mixture is not available. Causes serious eye

irritation. (based on components). May cause redness, itching, and pain.

Skin contact Specific test data for the substance or mixture is not available. May cause irritation.

Prolonged contact may cause redness and irritation.

Ingestion Specific test data for the substance or mixture is not available. Ingestion may cause

gastrointestinal irritation, nausea, vomiting and diarrhoea.

Symptoms related to the physical, chemical and toxicological characteristics

**Symptoms** May cause redness and tearing of the eyes.

Acute toxicity

#### **Numerical measures of toxicity**

The following values are calculated based on chapter 3.1 of the GHS document

>2000 mg/kg ATEmix (oral) ATEmix (dermal) >2000 mg/kg >20000 ppm ATEmix (inhalation-gas) ATEmix (inhalation-dust/mist) >5 mg/l ATEmix (inhalation-vapour) >20 mg/l

#### **Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Alcohols, C9-11, ethoxylated	>5050 mg/kg (Rattus)	> 2 g/kg (Oryctolagus	-
		cuniculus)	
D-gluconic acid, compound with N,N"-bis(4-chlorophenyl)-3,12-diimino-2,4,11,13-tetraazatetra decanediamidine (2:1)	,	> 5000 mg/kg (Oryctolagus cuniculus)	-
1,3-bis(hydroxymethyl)-5,5-dim ethylimidazolidine-2,4-dione	=2 g/kg (Rattus)	>20000 mg/Kg (Oryctolagus cuniculus)	-
D-Limonene	LD50 > 2000 mg/kg (Rattus) OECD 423	> 5 g/kg (Oryctolagus cuniculus)	-

#### 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.

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Serious eye damage/eye irritation Classification based on data available for ingredients. Causes serious eye irritation.

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

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

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

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

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

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

**Aspiration hazard** Based on available data, the classification criteria are not met.

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

No information available. **Endocrine disrupting properties** 

11.2.2. Other information

Other adverse effects No information available.

### **SECTION 12: Ecological information**

### 12.1. Toxicity

**Ecotoxicity** Harmful to aquatic life.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea	M-Factor	M-Factor (long-term)
D-gluconic acid, compound with N,N"-bis(4-chloropheny I)-3,12-diimino-2,4,11,1 3-tetraazatetradecaned iamidine (2:1) 18472-51-0		-	-	-	10	1
D-Limonene 5989-27-5	EC50 (72h) = 0.32 mg/L (Pseudokirchner iella subcapitata) OECD 201	,	-	EC50 (48h) = 0.307 mg/l (Daphnia magna) OECD 202	1	1

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#### 12.2. Persistence and degradability

Persistence and degradability No information available.

#### 12.3. Bioaccumulative potential

#### **Bioaccumulation**

**Component Information** 

Chemical name	Partition coefficient
D-gluconic acid, compound with	-1.81
N,N"-bis(4-chlorophenyl)-3,12-diimino-2,4,11,13-tetraazatetrad	
ecanediamidine (2:1)	
1,3-bis(hydroxymethyl)-5,5-dimethylimidazolidine-2,4-dione	-2.9
D-Limonene	4.38

#### 12.4. Mobility in soil

Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment The product does not contain any substance(s) classified as PBT or vPvB above the

threshold of declaration.

Chemical name	PBT and vPvB assessment
Alcohols, C9-11, ethoxylated	The substance is not PBT / vPvB
D-gluconic acid, compound with	The substance is not PBT / vPvB
N,N"-bis(4-chlorophenyl)-3,12-diimino-2,4,11,13-tetraazatetradecan	
ediamidine (2:1)	
1,3-bis(hydroxymethyl)-5,5-dimethylimidazolidine-2,4-dione	The substance is not PBT / vPvB
D-Limonene	The substance is not PBT / vPvB

#### 12.6. Endocrine disrupting properties

**Endocrine disrupting properties** No information available.

#### 12.7. Other adverse effects

No information available.

## **SECTION 13: Disposal considerations**

### 13.1. Waste treatment methods

Waste from residues/unused

products

Dispose of in accordance with local regulations. Dispose of waste in accordance with

environmental legislation.

Contaminated packaging Do not reuse empty containers.

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 Not regulated

14.2 UN proper shipping name

14.3 Transport hazard class(es) Not regulated

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Not regulated 14.4 Packing group 14.5 Environmental hazards Not applicable

14.6 Special precautions for user **Special Provisions** None

**IMDG** 

14.1 UN number or ID number Not regulated 14.2 UN proper shipping name Not regulated 14.3 Transport hazard class(es) Not regulated 14.4 Packing group Not regulated

14.5 Marine pollutant NP 14.6 Special precautions for user **Special Provisions** None

14.7 Maritime transport in bulk according to IMO instruments

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 Not regulated 14.2 UN proper shipping name Not regulated 14.3 Transport hazard class(es) Not regulated 14.4 Packing group Not regulated 14.5 Environmental hazards Not applicable

14.6 Special precautions for user

**Special Provisions** None

#### Section 15: REGULATORY INFORMATION

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

**European Union** 

Registration, Evaluation, Authorisation, 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 >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59)

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

This product contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

Chemical name	CAS No.	Restricted substance per REACH Annex XVII
1,3-bis(hydroxymethyl)-5,5-dimethylimidazolidine-2,4-dione	6440-58-0	Use restricted. See entry 77.

#### 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)

#### **Export Notification requirements**

This product does not contain substances which are regulated pursuant to Regulation (EC) No. 649/2012 of the European parliament and of the council concerning the export and import of dangerous chemicals above the level that triggers a labeling obligation under Regulation (EC) No 1272/2008. Therefore this product is not subject to prior informed consent notification.

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

Not applicable

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#### **Persistent Organic Pollutants**

Not applicable

#### REGULATION (EU) 2019/1148 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 20 June 2019 on the marketing and use of explosives precursors

Not applicable

#### Regulation (EC) No. 648/2004 (Detergents regulation)

Labelling for contents according to regulation (EC) No. 648/2004

non-ionic surfactants	< 5%
CHLORHEXIDINE DIGLUCONATE, DMDM HYDANTOIN, LIMONENE, HEXYL	
CINNAMAL, CITRAL, IODOPROPYNYL BUTYLCARBAMATE	

#### **National regulations**

### 15.2. Chemical safety assessment

Chemical Safety Assessments have been carried out by the Reach registrants for substances registered at >10 tpa. 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

H226 - Flammable liquid and vapour

H304 - May be fatal if swallowed and enters airways

H315 - Causes skin irritation

H317 - May cause an allergic skin reaction

H318 - Causes serious eye damage

H400 - Very toxic to aquatic life

H410 - Very toxic to aquatic life with long lasting effects H412 - Harmful to aquatic life with long lasting effects

Legend

TWA TWA (time-weighted average) STEL (Short Term Exposure Limit) STEL

Ceiling Limit Value Ceiling Skin designation Sk\*

**SVHC** Substance(s) of Very High Concern

**PBT** Persistent, Bioaccumulative, and Toxic (PBT) Chemicals Very Persistent and very Bioaccumulative (vPvB) Chemicals vPvB

Specific target organ toxicity - Repeated exposure STOT RE STOT SE Specific target organ toxicity - Single exposure

European Waste Catalogue **EWC** 

**ADR** European Agreement concerning the International Carriage of Dangerous Goods by

Road

**IMDG** International Maritime Dangerous Goods (IMDG) IATA International Air Transport Association (IATA)

RID Regulations concerning the International Transport of Dangerous Goods by Rail

### Key literature references and sources for data

No information available

Prepared By Product Safety & Regulatory Affairs

04-Sep-2024 **Revision date** 

Indication of changes

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Not applicable. **Revision Note** 

No information available **Training Advice** Further information No information available

This SDS complies with the requirements of UK REACH Regulations SI 2019/758 (as amended)

#### **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** 

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