



SAFETY DATA SHEET OCADO BIO LAUNDRY DETERGENT

According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577, as amended.

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

1.1. Product identifier

Product name	OCADO BIO LAUNDRY DETERGENT
Product number	800-304-0039
Container size	1,5L
UFI	UFI: TR8P-A9SO-1Q73-CK4G

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

Identified uses	Detergent.
Uses advised against	Not for Oral Consumption.

1.3. Details of the supplier of the safety data sheet

Supplier	OCADO Retail Ltd Hatfield Herts AL10 9NE www.ocado.com
Contact person	For content of safety data sheet:, ocado@ocado.com
Manufacturer	MIRIUS TM A Coventry Group Company Woodhams Road, Siskin Drive, Coventry, England, CV3 4FX www.mirius.com info@mirius.com +442476639739

1.4. Emergency telephone number

Emergency telephone	Help Centre 0345 656 1234 07:00am - Midnight 7 days a week
National emergency telephone number	UK: In case of a medical emergency following exposure to a chemical call NHS Direct in England or Wales 0845 46 47 or NHS 24 in Scotland 08454 24 24 24 Ireland: For information or to report a poisoning incident contact The National Poisons Information Centre (01 8092166)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (SI 2019 No. 720)

Physical hazards	Not Classified
Health hazards	Eye Irrit. 2 - H319
Environmental hazards	Not Classified

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2.2. Label elements

Hazard pictograms



Signal word	Warning
Hazard statements	H319 Causes serious eye irritation.
Precautionary statements	P102 Keep out of reach of children. P264 Wash contaminated skin thoroughly after handling. 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. P501 Dispose of contents/ container in accordance with local regulations.
Detergent labelling	5 - < 15% anionic surfactants, < 5% enzymes, < 5% non-ionic surfactants, < 5% perfumes, < 5% polycarboxylates, Contains 2-Bromo-2-nitropropane-1, 3-diol, BENZISOTHIAZOLINONE
Supplementary precautionary statements	P101 If medical advice is needed, have product container or label at hand.
Labelling notes	Note:- When assessing the classification of this product, specific cut off values applied to CAS No- 68891-38-3

2.3. Other hazards

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

SECTION 3: Composition/information on ingredients

3.2. Mixtures

C12-14 ALKYL ETHER SULFATES		5-10%
CAS number: 68891-38-3 EC number: 500-234-8		
Classification Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Aquatic Chronic 3 - H412		
SODIUM CARBONATE		1-5%
CAS number: 497-19-8 EC number: 207-838-8		
Classification Eye Irrit. 2 - H319	Classification (67/548/EEC or 1999/45/EC) Xi;R36	
ALCOHOLS, C12-14, ETHOXYLATED		1-5%
CAS number: 68439-50-9 EC number: 500-213-3		
Classification Acute Tox. 4 - H302 Eye Dam. 1 - H318 Aquatic Chronic 3 - H412		

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BRONOPOL (INN)		<1%
CAS number: 52-51-7	EC number: 200-143-0	
M factor (Acute) = 10		
Classification Acute Tox. 4 - H302 Acute Tox. 4 - H312 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 STOT SE 3 - H335 Aquatic Acute 1 - H400 Aquatic Chronic 2 - H411		Classification (67/548/EEC or 1999/45/EC) Xn;R21/22 Xi;R37/38,R41 N;R50

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

General information	Provide eyewash station.
Inhalation	Move affected person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.
Ingestion	Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention if any discomfort continues.
Skin contact	Rinse immediately with plenty of water. Remove contaminated clothing. Get medical attention if irritation persists after washing.
Eye contact	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if symptoms are severe or persist after washing. Show this Safety Data Sheet to the medical personnel.

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

General information	Provide eyewash station.
Inhalation	Unlikely to be hazardous by inhalation because of the low vapour pressure of the product at ambient temperature.
Ingestion	Unlikely exposure route without abuse. Symptoms will include, Sickness, possible Irritation of GI Tract. A soapy taste may be reported.
Skin contact	Prolonged contact may cause redness, irritation and dry skin.
Eye contact	Causes serious eye irritation. Prolonged or repeated exposure may cause the following adverse effects: Irritation and redness, followed by blurred vision.

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

Notes for the doctor	Rinse eye to neutral pH including under eye lids. Check eye surface for damage.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire. Foam, carbon dioxide or dry powder.
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5.2. Special hazards arising from the substance or mixture

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Hazardous combustion products Thermal decomposition or combustion products may include the following substances: Oxides of carbon. Toxic gases or vapours.

5.3. Advice for firefighters

Protective actions during firefighting Control run-off water by containing and keeping it out of sewers and watercourses.

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. Treat the spilled material according to the instructions in the clean-up section. Take care as floors and other surfaces may become slippery.

6.2. Environmental precautions

Environmental precautions Collect and dispose of spillage as indicated in Section 13. Do not discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Stop leak if safe to do so. Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Avoid the spillage or runoff entering drains, sewers or watercourses.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8. See Section 11 for additional information on health hazards. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid spilling. Avoid contact with skin and eyes. Wear protective clothing as described in Section 8 of this safety data sheet. Do not mix with other household chemical products. Do not mix with Bleach.

Advice on general occupational hygiene Good personal hygiene procedures should be implemented. Do not eat, drink or smoke when using this product. Wash skin thoroughly after handling. Take off contaminated clothing and wash it before reuse. Use appropriate hand lotion to prevent defatting and cracking of skin.

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. Store at room temperature. Keep out of the reach of children.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

C12-14 ALKYL ETHER SULFATES (CAS: 68891-38-3)

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DNEL

Workers - Inhalation; Long term systemic effects: 175 mg/m³
 Workers - Dermal; Long term systemic effects: 2750 mg/kg/day
 Consumer - Inhalation; Long term systemic effects: 52 mg/m³
 Consumer - Dermal; Long term systemic effects: 1650 mg/kg/day
 Consumer - Oral; Long term systemic effects: 15 mg/kg/day

PNEC

- Fresh water; 0.24 mg/l
- marine water; 0.024 mg/l
- Intermittent release; 0.071 mg/l
- Sediment, Fresh water; 0.917 mg/kg
- Sediment, marine water; 0.092 mg/kg
- Soil; 7.5 mg/kg
- STP; 10,000 mg/l

SODIUM CARBONATE (CAS: 497-19-8)

DNEL

Workers - Inhalation; Long term local effects: 10 mg/m³
 General population - Inhalation; Long term local effects: 10 mg/m³

ALCOHOLS, C12-14, ETHOXYLATED (CAS: 68439-50-9)

DNEL

Workers - Inhalation; Long term systemic effects: 294 mg/m³
 Workers - Dermal; Long term systemic effects: 2080 mg/kg/day
 General population - Inhalation; Long term systemic effects: 87 mg/m³
 General population - Dermal; Long term systemic effects: 1250 mg/kg/day
 General population - Oral; Long term systemic effects: 25 mg/kg/day

PNEC

- Fresh water; 0.0437 mg/l
- Intermittent release; 0.004 mg/l
- STP; 10 mg/l
- Sediment (Freshwater); 31 mg/kg
- Sediment (Marinewater); 31 mg/kg
- Soil; 1 mg/kg

BRONOPOL (INN) (CAS: 52-51-7)

DNEL

Workers - Inhalation; Long term systemic effects: 4.1 mg/m³
 Workers - Inhalation; Short term systemic effects: 12.3 mg/m³
 Workers - Inhalation; Long term local effects: 4.2 mg/m³
 Workers - Inhalation; Short term local effects: 4.2 mg/m³
 Workers - Dermal; Long term systemic effects: 2.3 mg/kg/day
 Workers - Dermal; Short term systemic effects: 7 mg/kg/day
 Workers - Dermal; Long term local effects: 0.013 mg/cm²
 Workers - Dermal; Short term local effects: 0.013 mg/cm²
 General population - Inhalation; Long term systemic effects: 1.2 mg/m³
 General population - Inhalation; Short term systemic effects: 3.7 mg/m³
 General population - Inhalation; Long term local effects: 1.3 mg/m³
 General population - Inhalation; Short term local effects: 1.3 mg/m³
 General population - Dermal; Long term systemic effects: 1.4 mg/kg/day
 General population - Dermal; Short term systemic effects: 4.2 mg/kg/day
 General population - Dermal; Long term local effects: 0.008 mg/cm²
 General population - Dermal; Short term local effects: 0.008 mg/cm²
 General population - Oral; Long term systemic effects: 0.35 mg/kg/day
 General population - Oral; Short term systemic effects: 1.1 mg/kg/day

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PNEC

- Fresh water; 0.01 mg/l
- marine water; 0.008 mg/l
- Intermittent release; 0.0025 mg/l
- STP; 0.43 mg/l
- Sediment (Freshwater); 0.041 mg/kg
- Sediment (Marinewater); 0.00328 mg/kg
- Soil; 0.5 mg/kg

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate ventilation.

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Unless the assessment indicates a higher degree of protection is required, the following protection should be worn: Tight-fitting safety glasses. Personal protective equipment that provides appropriate eye and face protection should be worn.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. It is recommended that gloves are made of the following material: Polyvinyl chloride (PVC). Rubber (natural, latex). Neoprene. Nitrile rubber. Polyethylene. To protect hands from chemicals, wear gloves that are proven to be impervious to the chemical and resist degradation. A break through time of >60 minutes is suggested. Gloves should be inspected regularly for damage.

Other skin and body protection

Wear appropriate clothing to prevent repeated or prolonged skin contact. Use appropriate hand lotion to prevent defatting and cracking of skin.

Hygiene measures

Good personal hygiene procedures should be implemented. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site. Use appropriate skin cream to prevent drying of skin.

Respiratory protection

Respiratory protection not required.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	White.
Odour	Perfume. Floral.
Odour threshold	Not applicable.
pH	pH (concentrated solution): 8-10
Melting point	Not applicable.
Initial boiling point and range	Not determined but expected to be >90 Degrees C.
Flash point	Not determined.
Evaporation rate	Not determined.
Evaporation factor	No information available.
Flammability (solid, gas)	Not flammable. This product does not sustain combustion.

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Upper/lower flammability or explosive limits	Product is not considered to be flammable nor explosive
Other flammability	Not applicable.
Vapour pressure	Not determined.
Vapour density	Not determined.
Relative density	1.055-1.070 @ 20°C
Bulk density	Not applicable.
Solubility(ies)	Soluble in water.
Partition coefficient	No information available.
Auto-ignition temperature	Not determined.
Decomposition Temperature	Not determined.
Viscosity	Not determined.
Explosive properties	There are no chemical groups present in the product that are associated with explosive properties.
Explosive under the influence of a flame	Not considered to be explosive.
Oxidising properties	The mixture itself has not been tested but none of the ingredient substances meet the criteria for classification as oxidising.
Comments	Information given is applicable to the product as supplied.

9.2. Other information

Other information	Not relevant.
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	Under normal storage conditions this product is stable.
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10.2. Chemical stability

Stability	Stable at normal ambient temperatures.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Mixing with bleach could cause dangerous heating of the solution.
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10.4. Conditions to avoid

Conditions to avoid	Avoid exposure to high temperatures or direct sunlight.
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10.5. Incompatible materials

Materials to avoid	Hypochlorite bleach products.
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10.6. Hazardous decomposition products

Hazardous decomposition products	No known hazardous decomposition products.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

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Toxicological effects	Information given is based on data of the components and of similar products.
<u>Acute toxicity - oral</u>	
Notes (oral LD₅₀)	Based on available data the classification criteria are not met.
<u>Acute toxicity - dermal</u>	
Notes (dermal LD₅₀)	Based on available data the classification criteria are not met.
<u>Acute toxicity - inhalation</u>	
Notes (inhalation LC₅₀)	Based on available data the classification criteria are not met.
<u>Skin corrosion/irritation</u>	
Skin corrosion/irritation	Not classified. Based on available data the classification criteria are not met.
<u>Serious eye damage/irritation</u>	
Serious eye damage/irritation	Causes serious eye irritation.
<u>Respiratory sensitisation</u>	
Respiratory sensitisation	Not sensitising. Based on available data the classification criteria are not met.
<u>Skin sensitisation</u>	
Skin sensitisation	Not classified. Based on available data the classification criteria are not met.
<u>Germ cell mutagenicity</u>	
Genotoxicity - in vitro	Does not contain any substances known to be mutagenic.
<u>Carcinogenicity</u>	
Carcinogenicity	Does not contain any substances known to be carcinogenic.
<u>Reproductive toxicity</u>	
Reproductive toxicity - fertility	Does not contain any substances known to be toxic to reproduction.
<u>Specific target organ toxicity - single exposure</u>	
STOT - single exposure	Not classified as a specific target organ toxicant after a single exposure.
<u>Specific target organ toxicity - repeated exposure</u>	
STOT - repeated exposure	Not classified as a specific target organ toxicant after repeated exposure.
<u>Aspiration hazard</u>	
Summary	Based on available data the classification criteria are not met.
General information	This product has low toxicity.
Inhalation	This is unlikely to occur but symptoms similar to those of ingestion may develop.
Ingestion	May cause irritation. Symptoms following overexposure may include the following: Stomach pain. Nausea, vomiting.
Skin contact	Skin irritation should not occur when used as recommended. Prolonged or repeated exposure may cause the following adverse effects: Irritation. Redness. Dryness and/or cracking. Mild dermatitis, allergic skin rash.
Eye contact	Irritating to eyes.
11.2 Information on other hazards	
11.2.1. Endocrine disrupting properties	This product is not classified as, nor contains substances classed as having endocrine disrupting characteristics at levels >0.1% by weight (according to Regulation (EU) 2018/605).

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11.2.2 Other information None known

SECTION 12: Ecological information

Ecotoxicity There are no data on the ecotoxicity of this product. Not regarded as dangerous for the environment.

12.1. Toxicity

Toxicity Not considered toxic to fish.

12.2. Persistence and degradability

Persistence and degradability The surfactant(s) contained in this product complies(comply) with the biodegradability criteria as laid down in The Detergents Regulations (as amended).

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Partition coefficient No information available.

12.4. Mobility in soil

Mobility The product is water-soluble and may spread in water systems.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

12.6. Endocrine disrupting properties

Endocrine disrupting properties This product is not classified as, nor contains substances classed as having endocrine disrupting characteristics at levels >0.1% by weight (according to Regulation (EU) 2018/605).

12.6. Other adverse effects

Other adverse effects None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Do not discharge into drains or watercourses or onto the ground.

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Normal use solutions are expected to be flushed to sewers. Reuse or recycle products wherever possible.

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.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

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14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78

and the IBC Code

SECTION 15: Regulatory information

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

National regulations

GB (UK) CLP and REACH Regulations.

The Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No. 2677) (as amended).

EH40/2005 Workplace exposure limits.

Guidance

Workplace Exposure Limits EH40.

ECHA Guidance on the Application of the CLP Criteria.

ECHA Guidance on the compilation of safety data sheets.

COSHH Essentials.

Technical Guidance WM2: Hazardous Waste.

15.2. Chemical safety assessment

No information available.

SECTION 16: Other information

Abbreviations and acronyms used in the safety data sheet

DNEL: Derived No Effect Level.

PBT: Persistent, Bioaccumulative and Toxic substance.

PNEC: Predicted No Effect Concentration.

MARPOL 73/78: International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978.

Revision comments

Inclusion of Manufacturers Details in section 1. Change in supplier contact details

Revision date

03/09/2024

Revision

1

Supersedes date

17/08/2021

SDS number

22447

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Hazard statements in full

H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H400 Very toxic to aquatic life.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.

This 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.

----- END OF SDS -----