

SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006

BIO-LIVE

Compilation date: 07.05.2015
Revision date: 15. Juni 2018

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

1.1 Product identifier BIO-LIVE

UFI: H9X0-00MF-400J-EE08

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

Use of the substance/mixture

Liquid formula containing a mixture of microorganisms used as a floor cleaner.

Use not recommended: The product should not be used for any purpose other than those stated without expert advice.

1.3 Details of the supplier of the safety data sheet

Company name: Arcora International GmbH
Street: Marsstraße 9
Place: 85609 Aschheim by Munich
Germany
Tel: +49 (0)89 / 14 33 29 3-0
Fax: +49 (0)89 / 14 33 29 3-29
E-Mail: info@arcora.de

1.4 Emergency telephone number + 49 (0) 89 / 14 33 29 3-10

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Regulation (EC) No. 1272/2008

Hazard categories:

Skin Sens. 1

Eye Dam. 1

Skin Irrit. 2

Hazard Statements:

Causes serious eye damage.

Causes skin irritation.

May cause allergic skin reactions.

2.2 Kennzeichnungselemente

Signal word: Warning
Pictograms: GHS05
GHS07



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Hazard statements

H318 Causes serious eye damage.
H315 Causes skin irritation.
H317 Can cause allergic reactions to your skin.

Precautionary statements

P280 Wear protective gloves / protective clothing / eye protection.
P333 + P313 If skin irritation or rash occurs: Get medical advice / attention.
P363 Wash contaminated clothing before reuse.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if possible. Continue rinsing.
P310 Immediately call a POISON CENTER or doctor / physician.

Other applicable labeling elements:

Contains: "Eugenol, Oils manila elemi, Methyl salicylate, Turpentine oil". Can cause allergic reactions.

CONTAINS: alpha-decylomégahydroxypoly (oxy-1,2-ethanediyle), sodium dodecylbenzenesulfonate, 1,2-benzisothiazolin-3-one.

2.3 Other hazards

not known

SECTION 3: Composition/information on ingredients

3.1 Mixtures

Hazardous components

EG-Nr.	Chemical name	Quantity
CAS-Nr.		
Index-Nr.	Classification according to Regulation (EG) Nr. 1272/2008 CLP	
REACH-Nr.		
	alpha-decylomégahydroxy-poly (oxy-1,2-ethanediyle)	
26183-52-8		10 - < 15 %
	Acute Tox. 4, Eye Dam. 1	
203-905-0	2-butoxyethanol	5 - 10 %
111-76-2		
	Acute tox. 4, inhal; Acute tox. 4, derm.; Acute tox. 4, oral; Skin irrit. 2 Eye irrit. 2;	
01-2119475108-36-		
246-680-4	Sodium dodecylbenzene sulfonates	5 - 10 %
25155-30-0		
	Acute Tox. 4, Eye Dam. 1, Skin irritant 2	
200-573-9	EDTA	< 3 %
64-02-8		
	Acute Tox. 4 , oral Eye Dam. 1	
01-2119486762-27		

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202-589-1	Eugenol	0,1 – 1 %
97-53-0		
	Skin Irrit. 2; Skin Sens. 1	
01-2119971802-33		
232-557-2	Oils, manila elemi	0,1 – 1 %
8023-89-0		
	Asp. Tox 1 Flam. Liq. 3; Skin Sens. 1 Aquatic Acute 1 Aquatic Chronic 1	
204-317-7	Methyl salicylate	0,1 – 1 %
119-36-8		
	Skin Sens. 1; Acute Tox. 4, oral ; Eye irrit 2	
232-350-7	Turpentine oil	0,1 - 1 %
8006-64-2		
	Asp. Tox 1; Flam. Liq. 3; Acute Tox. 4, derm; Acute Tox. 4 ,inhal; Acute Tox. 4,oral; Eye irrit 2; Skin Irrit. 2; Skin Sens. 1; Aquatic Chronic 2	
01-2119502456-45		
220-120-9	1,2-benzisothiazolin-3-one	0,05 - 0,1 %
2634-33-5		
	Acute Tox. 4 oral; Skin Irrit. 2; Eye Dam. 1; Skin Sens. 1; Aquatic Acute 1	

Full text of H and EUH statements: see section 16.

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

<5 - 15% nonionic surfactants, 5 - 15% anionic surfactants, <5% polycarboxylates, <5% EDTA, 1,2-benzisothiazolin-3-ones, perfumes cinnamaldehydes, citral, citronellol, eugenol, geraniol, limonene, linaool.

More information

The other ingredients are not hazardous or are present in amounts <of the limits specified in Directive 1272/2008 / EC.

SECTION 4: First aid measures

4.1 Description of first aid measures

- After inhalation:** Fresh air supply. Keep calm and warm. If symptoms of irritation or sensitization appear (shortness of breath, shortness of breath or severe coughing), consult a physician.
- After skin contact:** Immediately wash the affected area thoroughly with soap and water. If irritation occurs, consult a physician.
- After eye contact:** Immediately flush eyes with plenty of water and seek medical advice..
- Ingestion:** Do not induce vomiting. Drink liquid for dilution. Consult a doctor.

4.2 Most important symptoms and effects, both acute and delayed

Causes skin irritation, Causes serious eye damage. May cause allergic skin reactions. Can cause allergic reactions. The organisms used are non-pathogenic, but may cause infection on contact with open wounds.

4.3 Indication of any immediate medical attention and special treatment needed

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Symptomatic treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media

All types of fire extinguishers can be used: water, foam.

5.2 Special hazards arising from the substance or mixture

If this substance catches fire, carbon and nitrogen oxides can form.

5.3 Advice for firefighters

A self-contained breathing apparatus should be worn..

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective clothing. Avoid formation of dust, splashing and formation of aerosols.

6.2 Environmental precautions

6.3 Methods and material for containment and cleaning up

Clean by collecting. Dispose of waste in accordance with local or national regulations.

6.4 Reference to other sections

See section 8 for personal protective equipment.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling:

The substance should be handled in accordance with good commercial hygiene practice and in accordance with relevant municipal regulations to avoid unnecessary hazards. The product is formulated from a series of microorganisms that have been specifically selected from the natural environment and have been shown to be non-pathogenic to humans, animals or plants. It is recommended, in use, to cover open wounds.

Technical measures

It is recommended to wear gloves to minimize contact with the substance.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Store in a cool, dry, well-ventilated area. Keep container closed when not in use. Avoid freezing temperatures. Avoid temperatures above 35 ° C to maintain biological stability.

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7.3 Specific end use

not available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational limit value (TRGS 900)

Eight hours

CAS-No.	Chemical name	ppm	mg/m ³	F/m ³	Peak limit	Type
111-76-2	2-Butoxyethanol	25	23			

Kurzzeitig

CAS-No.	Chemical name	ppm	mg/m ³	F/m ³	Peak limit	Type
111-76-2	2-Butoxyethanol	50	246			

8.2 Exposure controls

Suitable technical control equipment

deleted

Individual protection measures, such as personal protective equipment

The provision of personal protective equipment and the need for technical control measures should be decided by the user as part of a formal assessment of the exposure risk. Based on the available toxicological information, the protective measures described below should be considered a minimum requirement.

Hand protection

Avoid prolonged or frequent skin contact, especially with cracked skin. Chemical protective gloves according to standard EN374 should be provided. Use periods should not exceed the breakthrough time for the chemical as reported by the glove manufacturer.

Eye / face protection

Avoid eye contact. Ideally, wear protective goggles when handling the product. The protection should provide the chemical protection required in EN166.

respiratory protection

As a rule, no special ventilation is necessary.

Other protective measures

Avoid contact with chapped skin. In case of prolonged / frequent direct handling of the material, it is recommended to wear chemical protective clothing according to standard NF EN ISO 13034 (type 6).

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state: liquid

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Colour: opaque, cream colored

Odour: Mint / lemon fragrance

pH-value (at 20 °C): 8,6 - 8,9

Test method

Changes in the physical state

Melting point: not determined

Initial boiling point and boiling range: not determined

Flash point: not determined

Flammability

Solid: not applicable

Gas: not applicable

Lower explosion limits: not applicable

Upper explosion limits: not applicable

Auto-ignition temperature

Solid: not applicable

Gas: not applicable

Decomposition temperature: not determined

Oxidizing properties

Based on the chemical structure, the prognosis is "non-explosive"

Vapor pressure: not determined

Relative density (at 20 °C): 1.015 - 1.020 g / cm³

Water solubility: soluble

Solubility in other solvents

Not determined

Partition coefficient: not determined

Dyn. Viscosity (at 25 °C): < 10 mPa·s

Vapor density: not determined

Evaporation rate: not determined

9.2 Other information

Solid content: not determined

SECTION 10: Stability and reactivity

Reactivity

No hazardous reaction when handled and stored according to provisions.

10.2 Chemical stability

The product is stable under storage at normal ambient temperatures.

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10.3 Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4 Conditions to avoid

The product is stable under storage at normal ambient temperatures.

10.5 Incompatible materials

No information available.

10.6 Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1 Angaben zu toxikologischen Wirkungen

Acute toxicity

Non known

Irritation and corrosivity:

Causes serious eye irritation. Skin corrosion/irritation

Sensitising effects

Sensitization through skin contact possible.

SECTION 12: Ecological information

12.1 Toxicity

It is assumed that the preparation is not an environmental hazard. There are no toxicity data available for soil organisms, plants and terrestrial animals.

12.2 Persistence and degradability

It is assumed that the preparation is rapidly biodegraded. However, information on anaerobic biodegradation is not available.

12.3 Bioaccumulative potential

No indication of bioaccumulation potential.

12.4 Mobility in soil

There is no information.

12.5 Results of PBT and vPvB assessment

There is no information.

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12.6 Other adverse effects

There is no risk of attacking the ozone layer, producing ozone photochemically or promoting the greenhouse effect. Adverse effects in sewage treatment plants are not expected.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation

Dispose of according to municipal regulations by incineration or landfill..

Abschnitt 14: Angaben zum Transport

Land transport (ADR/RID)

14.1 UN-number No dangerous good in sense of these transport regulations.

14.2 UN proper shipping name

14.3 The transport hazard class

14.4 Packing group

Other relevant information about land transport

lapse

Inland waterways transport (ADN)

14.1 UN-number No dangerous good in sense of these transport regulations.

14.2 UN proper shipping name

14.3 The transport hazard class

14.4 Packing group

Other relevant information about Inland waterways transport

lapse

Marine transport (IMDG)

14.1 UN-number No dangerous good in sense of these transport regulations.

14.2 UN proper shipping name

14.3 The transport hazard class

14.4 Packing group

Other relevant information about marine transport

lapse

Air transport (ICAO)

14.1 UN-number No dangerous good in sense of these transport regulations.

14.2 UN proper shipping name

14.3 The transport hazard class

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14.4 Packing group

Other relevant information about air transport

lapse

14.5 Special precautions for user

No information available.

14.6 Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

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

Not applicable.

Abschnitt 15: Rechtsvorschriften

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

Microbial classification

All bacteria contained in this preparation belong to Group 1 according to Directive 2000/54 / EC (on the protection of workers from the risks related to exposure to biological agents at work).

For group 1 microorganisms, it is unlikely that they cause disease in humans.

When handling the product, the precautionary measures described in Annex VI to Directive 2000/54 / EC should be taken into account in order to conduct a risk assessment.

CMO

All microorganisms contained in this preparation are naturally occurring organisms. These are not genetically modified according to Directive 2001/18 / EC of the European Parliament (on the deliberate release of genetically modified organisms into the environment).

National regulations

Water hazard class: 2 - hazardous for water

15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route
(European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service
LC50: Lethal concentration, 50%
LD50: Lethal dose, 50%

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Process categories according to ECHA guidance on information requirements and chemical safety assessment, chapter R.12:

PROC 1: Use in closed processes.

PROC 8 (Transfer): Dilution of concentrated products, application of drain cleaners, dosage of textile washing agents.

PROC 10 (Roller application or brushing): Processing without large-scale spraying.

PROC 11 (Spraying outside industrial settings): Processing with large-scale spraying (e. g. high pressure cleaning, foam gun).

PROC 19 (Hand-mixing with intimate contact): Hand cleaning and disinfection.

Relevant H and EUH statements (number and full text)

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.

Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.