

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Care product for heat pump dryer (art. no. 00311805, 00311829, 00312111)

Revision date: 26.10.2020

Product code: 00312111

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SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Care product for heat pump dryer (art. no. 00311805, 00311829, 00312111)

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

Cleaning agent

The product is intended for private use.

1.3. Details of the supplier of the safety data sheet**Manufacturer**

Company name: Bavariapool Thomas Emmerichs GmbH

Street: Gewerbering 11

Place: D-82140 Olching

Telephone: +49 8142 445040

Telefax: +49 8142 4450410

e-mail: info@bavariapool.de

Contact person: Labor

Internet: www.bavariapool.de

Supplier

Company name: BSH Home Appliances Service, BSH Home Appliances Ltd.

Street: Grand Union House

Place: Old Wolverton Road

Place: Wolverton - Milton Keynes, MK12 5PT

Telephone: 0344 892 8921

e-mail: mks-spares@bshg.com

Internet: www.bsh-group.com

1.4. Emergency telephone

+49 89 19240 Poison Center Rechts der Isar (24 / 7)

number:**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Regulation (EC) No. 1272/2008**

Hazard categories:

Serious eye damage/eye irritation: Eye Irrit. 2

Hazardous to the aquatic environment: Aquatic Chronic 3

Hazard Statements:

Causes serious eye irritation.

Harmful to aquatic life with long lasting effects.

2.2. Label elements**Regulation (EC) No. 1272/2008**

Signal word: Warning

Pictograms:

**Hazard statements**

H319

Causes serious eye irritation.

H412

Harmful to aquatic life with long lasting effects.

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Precautionary statements

- P101 If medical advice is needed, have product container or label at hand.
 P102 Keep out of reach of children.
 P273 Avoid release to the environment.
 P280 Wear protective gloves/eye 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.

Special labelling of certain mixtures

- EUH208 Contains (R)-p-mentha-1,8-diene. May produce an allergic reaction.

2.3. Other hazards

none

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
112-34-5	2-(2-butoxyethoxy)ethanol			1 - < 5 %
	203-961-6	603-096-00-8	01-2119475104-44	
	Eye Irrit. 2; H319			
68439-50-9	Alcohols, C12-14, ethoxylated			1 - < 5 %
			01-2119487984-16	
	Acute Tox. 4, Eye Dam. 1, Aquatic Chronic 3; H302 H318 H412			
5989-27-5	(R)-p-mentha-1,8-diene			< 1 %
	227-813-5	601-029-00-7	01-2119493353-35	
	Flam. Liq. 3, Skin Irrit. 2, Skin Sens. 1, Asp. Tox. 1, Aquatic Acute 1, Aquatic Chronic 1; H226 H315 H317 H304 H400 H410			

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

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

< 5 % non-ionic surfactants, < 5 % phosphates, < 5 % amphoteric surfactants, perfumes (Limonene).

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Take off contaminated clothing and wash it before reuse.

After inhalation

Remove casualty to fresh air and keep warm and at rest.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap.

After contact with eyes

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

After ingestion

Do NOT induce vomiting. Rinse mouth immediately and drink plenty of water. Get medical advice/attention.

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

Observe risk of aspiration if vomiting occurs.

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

First Aid, decontamination, treatment of symptoms.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**Water spray jet, Foam, Dry extinguishing powder, ABC-powder, Carbon dioxide (CO₂).**5.2. Special hazards arising from the substance or mixture**In case of fire may be liberated: Nitrogen oxides (NO_x), Sulphur oxides, Carbon dioxide (CO₂), Carbon monoxide.**5.3. Advice for firefighters**

Use suitable breathing apparatus.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Special danger of slipping by leaking/spilling product. Avoid contact with skin, eyes and clothes.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

Dilute with plenty of water. Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

No special measures are necessary.

Advice on protection against fire and explosion

The product itself does not burn. No special fire protection measures are necessary.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Suitable container/equipment material: Polyethylene (PE).

Further information on storage conditions

Protect from sunlight. Keep away from heat.

7.3. Specific end use(s)

not applicable

SECTION 8: Exposure controls/personal protection**8.1. Control parameters**

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Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
112-34-5	2-(2-Butoxyethoxy)ethanol	10	67.5		TWA (8 h)	WEL
		15	101.2		STEL (15 min)	WEL

DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
112-34-5	2-(2-butoxyethoxy)ethanol			
Consumer DNEL, long-term		oral	systemic	5 mg/kg bw/day
Consumer DNEL, long-term		dermal	systemic	50 mg/kg bw/day
Worker DNEL, long-term		dermal	systemic	83 mg/kg bw/day
Consumer DNEL, long-term		inhalation	local	40,5 mg/m ³
Worker DNEL, long-term		inhalation	systemic	67,5 mg/m ³

PNEC values

CAS No	Substance	Value
112-34-5	2-(2-butoxyethoxy)ethanol	
Freshwater		1,1 mg/l
Marine water		0,11 mg/l
Freshwater sediment		4,4 mg/kg
Marine sediment		0,44 mg/kg
Micro-organisms in sewage treatment plants (STP)		200 mg/l
Soil		0,32 mg/kg

8.2. Exposure controls**Appropriate engineering controls**

See section 7. No additional measures necessary.

Protective and hygiene measures

Avoid contact with skin, eyes and clothes. Wash hands before breaks and after work.

Eye/face protection

It is recommended to wear tightly fitting safety glasses.

Hand protection

It is recommended to wear special 0.11mm-layer gloves produced out of nitrile by KCL company (Dermatril, item nr. 740).

Skin protection

Body protection: not required.

Respiratory protection

Respiratory protection necessary at: aerosol or mist formation, high concentrations, insufficient ventilation.

Suitable respiratory protection apparatus: Particle filter device (DIN EN 143)

Environmental exposure controls

No information available.

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	liquid
Colour:	green
Odour:	like: orange
pH-Value (at 20 °C):	9,0

Changes in the physical state

Melting point:	not applicable
Initial boiling point and boiling range:	100 °C
Softening point:	not applicable
Flash point:	> 62 °C

Flammability

Solid:	not applicable
Gas:	not applicable

Explosive properties

No ignition, explosion, self-heating or visible decomposition.

Lower explosion limits:	not applicable
Upper explosion limits:	not applicable
Ignition temperature:	> 385 °C

Auto-ignition temperature

Solid:	not applicable
Gas:	not applicable

Decomposition temperature:	not applicable
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Oxidizing properties

not applicable

Vapour pressure: (at 20 °C)	24 hPa
Vapour pressure: (at 50 °C)	130 hPa

Density (at 20 °C):	1,005 g/cm ³
Bulk density:	not applicable
Water solubility:	miscible

Solubility in other solvents

not determined

Partition coefficient:	not determined
Viscosity / dynamic:	not determined
Flow time:	not determined
Vapour density:	not determined
Evaporation rate:	not determined

9.2. Other information

Solid content:	not determined
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Burning behaviour, method: 396 L 0049, does not burn self-supplying

SECTION 10: Stability and reactivity

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10.1. 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.

10.3. Possibility of hazardous reactions

No known hazardous reactions.

10.4. Conditions to avoid

Protect against direct sunlight.

10.5. Incompatible materials

No data available

10.6. Hazardous decomposition products

In case of fire may be liberated: Nitrogen oxides (NO_x), Sulphur oxides, Carbon dioxide (CO₂), Carbon monoxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

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

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
112-34-5	2-(2-butoxyethoxy)ethanol				
	oral	LD50 mg/kg 5660	Rat		
	dermal	LD50 mg/kg 2764	Rabbit		
68439-50-9	Alcohols, C12-14, ethoxylated				
	oral	LD50 mg/kg > 5000	Rat		
5989-27-5	(R)-p-mentha-1,8-diene				
	oral	LD50 mg/kg 5000	Rat		
	dermal	LD50 mg/kg 4400	Rabbit		

Irritation and corrosivity

Causes serious eye irritation.

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

Sensitising effects

Contains (R)-p-mentha-1,8-diene. May produce an allergic reaction.

Carcinogenic/mutagenic/toxic effects for reproduction

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

STOT-single exposure

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

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.

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Specific effects in experiment on an animal

No data available

SECTION 12: Ecological information

12.1. Toxicity

There are no data available on the mixture itself.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
112-34-5	2-(2-butoxyethoxy)ethanol					
	Acute fish toxicity	LC50 mg/l	1300	96 h	Lepomis macrochirus (Bluegill)	
	Acute algae toxicity	ErC50 mg/l	> 100		Desmodesmus subspicatus	
	Acute crustacea toxicity	EC50 mg/l	> 100	48 h	Daphnia magna (Big water flea)	
5989-27-5	(R)-p-mentha-1,8-diene					
	Acute fish toxicity	LC50	0,7 mg/l	96 h	Pimephales promelas	
	Acute crustacea toxicity	EC50 mg/l	0,42	48 h	Daphnia magna	

12.2. Persistence and degradability

The surfactants contained in this mixture comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
112-34-5	2-(2-butoxyethoxy)ethanol			
	OECD 301E	> 90 %		
	Readily biodegradable (according to OECD criteria).			

12.3. Bioaccumulative potential

There are no data available on the mixture itself.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
112-34-5	2-(2-butoxyethoxy)ethanol	0,9
5989-27-5	(R)-p-mentha-1,8-diene	4,23

12.4. Mobility in soil

If product enters soil, it will be mobile and may contaminate groundwater.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Other adverse effects

not relevant

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Dispose of waste according to applicable legislation.

List of Wastes Code - residues/unused products

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- 200129 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); detergents containing hazardous substances; hazardous waste

List of Wastes Code - used product

- 200129 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); detergents containing hazardous substances; hazardous waste

List of Wastes Code - contaminated packaging

- 150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances; hazardous waste

Contaminated packaging

Contaminated packing must be completely be emptied and, after subsequently rinsing them with water, can be used again.

SECTION 14: Transport information

Land transport (ADR/RID)

- 14.1. UN number:** No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.
14.4. Packing group: No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)

- 14.1. UN number:** No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.
14.4. Packing group: No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

- 14.1. UN number:** No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.
14.4. Packing group: No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

- 14.1. UN number:** No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.
14.4. Packing group: No dangerous good in sense of this transport regulation.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

not relevant

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

not relevant

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SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 55

Additional information

The surfactants contained in this mixture comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

National regulatory information

Water hazard class (D): 1 - slightly hazardous to water

15.2. Chemical safety assessment

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

SECTION 16: Other information**Changes**

section 1, 9

Classification for mixtures and used evaluation method according to Regulation (EC) No. 1272/2008 [CLP]

Classification	Classification procedure
Eye Irrit. 2; H319	Calculation method
Aquatic Chronic 3; H412	Calculation method

Relevant H and EUH statements (number and full text)

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
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.
H319	Causes serious eye irritation.
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.
EUH208	Contains (R)-p-mentha-1,8-diene. May produce an allergic reaction.

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.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)