Safety Data Sheet
in accordance with Regulation (EC) No 1907/2006
Revision date: 22/10/2025 Version: 004 replaces version from 05/10/2024

AESKUBLOTS® Borrelia

Product identifier

Product name:	***AESKUBLOTS®* Borrelia**	
Product number:	Borrelia-G	4006
	Borrelia-M	4007

Test Component	*Symbol*	*Appendix*
Test strips	STRIP	(1)
Wash and sample buffer (5x)	SWB 5x	(2)
Anti-human IgG / IgM conjugate	CONJ	(3)
Substrate	SUB	(4)

Always read the instructions for use before using the test kit. Terms and conditions apply.

The information in this product data sheet is based on the current state of our knowledge. They do not constitute a guarantee of product characteristics and do not establish a contractual legal relationship.

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Changes compared to previous version:
Revision of annex 4 according to REACH Regulation (EC) No. 1907/2006, last amended by Regulation (EU) 2020/878.

Appendix 1 - 4
Safety Data Sheets for Individual Components.

AESKUBLOTS® stripes

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

1.1. Product identifier

Trade name/designation:

AESKUBLOTS® stripes

Other means of identification:

STRIP

Article No.:

4006, 4007

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

Use of the substance/mixture:

AESKUBLOTS® Borrelia
This test is a sensitive membrane based enzyme immunoassay for qualitative detection of specific IgG/M against Borrelia burgdorferi in human serum. Antigens are located as parallel lines at exactly defined positions on a nitrocellulose membrane. The assay is a tool to confirm positive ELISA results.
The reagents should not be used for purposes other than the specified determination.
The test-kit is for professional use only in laboratories.

1.3. Details of the supplier of the safety data sheet

Manufacturer:

Aesku.Diagnostics GmbH & Co. KG
Mikroforum Ring 2
55234 Wendelsheim
Germany
Telephone: +49 6734 9622-0
Telefax: +49 6734 9622-2222
E-mail: info@aesku.com
Website: www.aesku.com

E-mail (competent person): info@aesku.com

1.4. Emergency telephone number

Aesku.Diagnostics GmbH & Co. KG, +49 6734 9622-0 (Only available during office hours.)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

According to EC directives or the corresponding national regulations the product does not have to be labelled.

Hazard statements: none
Supplemental hazard information: none
Precautionary statements: none

2.3. Other hazards

Adverse environmental effects:

This mixture does not contain any substances presenting a health or environmental hazard within the means of Regulation (EC) No. 1272/2008, assigned a Community workplace exposure limit, classified as PBT/vPvB or included in the Candidate List.

Other adverse effects:

The mixture contains material of human or animal origin and is therefore classified as potentially infectious.

AESKUBLOTS® stripes

SECTION 3: Composition/information on ingredients

3.2. Mixtures

No data available

SECTION 4: First aid measures

4.1. Description of first aid measures

General information:

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove victim out of the danger area. Remove contaminated, saturated clothing. If unconscious but breathing normally, place in recovery position and seek medical advice. Do not leave affected person unattended.

Following inhalation:

Provide fresh air.

Following ingestion:

Rinse mouth. Let 1 glass of water be drunken in little sips (dilution effect). Get medical advice/attention if you feel unwell.

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

No known symptoms to date.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Co-ordinate fire-fighting measures to the fire surroundings.

5.2. Special hazards arising from the substance or mixture

The product itself does not burn.

Hazardous combustion products:

In case of fire: Gases/vapours, toxic

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

5.4. Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Personal precautions:

Remove persons to safety. Avoid breathing dust/fume/gas/mist/vapours/spray.

Protective equipment:

Wear protective gloves/protective clothing/eye protection/face protection.

6.1.2. For emergency responders

Personal protection equipment:

Personal protection equipment: see section 8

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

For containment:

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

AESKUBLOTS® stripes

6.4. Reference to other sections
Safe handling: see section 7 Personal protection equipment: see section 8 Disposal: see section 13

6.5. Additional information
Use appropriate container to avoid environmental contamination.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures

Advices on safe handling:
Wear personal protection equipment (refer to section 8).

Fire prevent measures:
No special measures are necessary.

Advices on general occupational hygiene
When using do not eat, drink, smoke, sniff. Avoid contact with skin, eyes and clothes.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions:
Keep container tightly closed in a cool, well-ventilated place.

Further information on storage conditions:
Recommended storage temperature: 2-8°C

7.3. Specific end use(s)

Recommendation:
Item 1.2 and the instructions for use must be observed.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters
No data available

8.2. Exposure controls

8.2.1. Appropriate engineering controls
No data available

8.2.2. Personal protection equipment

Eye/face protection:
Eye glasses with side protection EN 166

Skin protection:
Tested protective gloves must be wornEN ISO 374 In the case of wanting to use the gloves again, clean them before taking off and air them well. Breakthrough times and swelling properties of the material must be taken into consideration.

8.2.3. Environmental exposure controls
No data available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state: solid
Colour: white
Odour: not determined

Safety relevant basis data

Parameter	Value	① Method ② Remark
pH	*No data available*	
Melting point	*No data available*	
Freezing point	*No data available*	

AESKUBLOTS® stripes

Parameter	Value	① Method ② Remark
Initial boiling point and boiling range	*No data available*	
Flash point	*not applicable*	
Evaporation rate	*No data available*	
Auto-ignition temperature	*not applicable*	
Upper/lower flammability or explosive limits	*No data available*	
Vapour pressure	*No data available*	
Vapour density	*No data available*	
Density	*No data available*	
Bulk density	*not applicable*	
Water solubility	*No data available*	
Dynamic viscosity	*No data available*	
Kinematic viscosity	*No data available*	

9.2. Other information
No data available

SECTION 10: Stability and reactivity

10.1. Reactivity
The product itself does not burn. not relevant

10.2. Chemical stability
Recommended storage temperature: 2-8°C

10.3. Possibility of hazardous reactions
No data available

10.4. Conditions to avoid
Light, heat, moisture (no dangerous reaction follows, the product becomes unusable).

10.5. Incompatible materials
No data available

10.6. Hazardous decomposition products
In case of fire: Gases/vapours, toxic

Further information
Light, heat, moisture (no dangerous reaction follows, the product becomes unusable)

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008
Acute oral toxicity:
Based on available data, the classification criteria are not met.

Acute dermal toxicity:
Based on available data, the classification criteria are not met.

Acute inhalation toxicity:
Based on available data, the classification criteria are not met.

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

Serious eye damage/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.

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

Reproductive toxicity:
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.

Additional information:
No data available

11.2. Information on other hazards
No data available

SECTION 12: Ecological information

12.1. Toxicity
No data available

12.2. Persistence and degradability
No data available

12.3. Bioaccumulative potential
No data available

12.4. Mobility in soil
No data available

12.5. Results of PBT and vPvB assessment
No data available

12.6. Endocrine disrupting properties
No data available

12.7. Other adverse effects
No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

13.1.1. Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

Waste code product

18 02 03	wastes whose collection and disposal is not subject to special requirements in order to prevent infection

Waste treatment options

Appropriate disposal / Product:
Consult the appropriate local waste disposal expert about waste disposal.

13.2. Additional information
Do not allow run-off from fire-fighting to enter drains or water courses.

SECTION 14: Transport information

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1. UN number or ID number			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.2. UN proper shipping name			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
14.3. Transport hazard class(es)			
not relevant	not relevant	not relevant	not relevant
14.4. Packing group			
not relevant	not relevant	not relevant	not relevant
14.5. Environmental hazards			
not relevant	not relevant	not relevant	not relevant
14.6. Special precautions for user			
not relevant	not relevant	not relevant	not relevant

14.7. Maritime transport in bulk according to IMO instruments
No data available

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
No data available

15.2. Chemical Safety Assessment
No data available

SECTION 16: Other information

16.1. Indication of changes
Revision according to REACH Regulation (EC) No. 1907/2006, last amended by Regulation (EU) 2020/878

16.2. Abbreviations and acronyms

ACGIH	American Conference of Governmental Industrial Hygienists
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
BCF	Bioconcentration Factor
CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging
CMR	Carcinogenic, Mutagenic, toxic for Reproduction
DIN	German Institute for Standardization / German Industrial Standard
DNEL	derived no-effect level
EC_{50}	Effective Concentration 50%
ECHA	European Chemicals Agency
EN	European Standard
ENCS	Japanese Inventory of Existing and New Chemical Substances
EWC	European Waste Catalogue
GHS	Globally Harmonized System of Classification and Labelling of Chemicals
IATA	International Air Transport Association
IBC	Intermediate Bulk Container
IC_{50}	Inhibition Concentration 50 %
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
ISO	International Standards Organisation
KG	body weight
LC_{50}	Lethal (fatal) Concentration 50%
LD_{50}	Lethal (fatal) Dose 50%

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NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety & Health
PBT	persistent and bioaccumulative and toxic
REACH	Registration, Evaluation and Authorization of Chemicals
RID	Dangerous goods regulations for transport by rail
SVHC	substances of very high concern
TRGS	Technische Regeln für Gefahrstoffe
UN	United Nations
vPvB	Very persistent and very bioaccumulative
ZNS	central nervous system
°C	centigrade
AwSV	Ordinance on systems for handling water-polluting substances
CO	carbon monoxide
CO2	carbon dioxide
IgA	Immunoglobuline A
IgG	Immunoglobulin G
IgM	Immunoglobulin M
IVD	In-Vitro Diagnostic
MARPOL	International Convention for the Prevention of Pollution from Ships

16.3. Key literature references and sources for data
No data available

16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]
The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

16.5. List of relevant hazard statements and/or precautionary statements from sections 2 to 15
No data available

16.6. Training advice
No data available

16.7. Additional information
The information is based on the current state of our knowledge. You shall ours Describe products with regard to safety requirements, but do not represent them Assurance of product properties and do not constitute a contractual legal relationship. Copyright ©: Aesku.Diagnostics GmbH & Co. KG, copies may only be used for internal purposes be made.

AESKUBLOTS® Wash and sample buffer (5x)

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

1.1. Product identifier

Trade name/designation:

AESKUBLOTS® Wash and sample buffer (5x)

Other means of identification:

SWB

Article No.:

4006 , 4007

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

Use of the substance/mixture:

AESKUBLOTS® Borrelia
This test is a sensitive membrane based enzyme immunoassay for qualitative detection of specific IgG/M against Borrelia burgdorferi in human serum. Antigens are located as parallel lines at exactly defined positions on a nitrocellulose membrane. The assay is a tool to confirm positive ELISA results.
The reagents should not be used for purposes other than the specified determination.
The test-kit is for professional use only in laboratories.

1.3. Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor):

Aesku.Diagnostics GmbH & Co. KG
Mikroforum Ring 2
55234 Wendelsheim
Germany
Telephone: +49 6734 9622-0
Telefax: +49 6734 9622-2222
E-mail: info@aesku.com
Website: www.aesku.com

E-mail (competent person): info@aesku.com

1.4. Emergency telephone number

Aesku.Diagnostics GmbH & Co. KG, +49 6734 9622-0 (Only available during office hours.)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

According to EC directives or the corresponding national regulations the product does not have to be labelled.

Hazard components for labelling:

reaction mass of 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3-one

Hazard statements: none

Precautionary statements: none

2.3. Other hazards

No data available

AESKUBLOTS® Wash and sample buffer (5x)

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients / Hazardous impurities / Stabilisers:

Product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 55965-84-9 EC No.: 911-418-6 Index No.: 613-167-00-5 REACH No.: 01-2120764691-48	**reaction mass of 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3-one** Acute Tox. 2 (H330, H310), Acute Tox. 3 (H301), Aquatic Acute 1 (H400), Aquatic Chronic 1 (H410), Eye Dam. 1 (H318), Skin Corr. 1C (H314), Skin Sens. 1A (H317)  Danger EUH071 M-factor (acute): 100 M-factor (chronic): 100 **Specific concentration limit (SCL)** Skin Corr. 1C; H314: C ≥ 0.6% Skin Irrit. 2; H315: 0.06% ≤ C < 0.6% Eye Dam. 1; H318: C ≥ 0.6% Eye Irrit. 2; H319: 0.06% ≤ C < 0.6% Skin Sens. 1A; H317: C ≥ 0.0015% **Acute Toxicity Estimate** ATE (oral) 64 mg/kg ATE (dermal) 87.12 mg/kg ATE (inhalation, vapour) 0.5 mg/L	< 0.0015 weight-%

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

SECTION 4: First aid measures

4.1. Description of first aid measures

General information:
In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove victim out of the danger area. Remove contaminated, saturated clothing. If unconscious but breathing normally, place in recovery position and seek medical advice. Do not leave affected person unattended.

Following inhalation:
Provide fresh air.

Following ingestion:
Rinse mouth. Let 1 glass of water be drunken in little sips (dilution effect). Get medical advice/attention if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed
No known symptoms to date.

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

SECTION 5: Firefighting measures

5.1. Extinguishing media
No data available

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products:
In case of fire: Gases/vapours, toxic

5.3. Advice for firefighters
Wear a self-contained breathing apparatus and chemical protective clothing.

5.4. Additional information
Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

AESKUBLOTS® Wash and sample buffer (5x)

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Personal precautions:
Avoid breathing dust/fume/gas/mist/vapours/spray. Remove persons to safety.

Protective equipment:
Wear protective gloves/protective clothing/eye protection/face protection.

6.1.2. For emergency responders

Personal protection equipment:
Personal protection equipment: see section 8

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

For containment:
Absorb with liquid-binding material (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

6.5. Additional information

Use appropriate container to avoid environmental contamination.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures

Advices on safe handling:
Wear personal protection equipment (refer to section 8).

Advices on general occupational hygiene

When using do not eat, drink, smoke, sniff. Avoid contact with skin, eyes and clothes.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions:
Keep container tightly closed in a cool, well-ventilated place.

Storage class (TRGS 510, Germany): 12 – non-combustible liquids that cannot be assigned to any of the above storage classes

Further information on storage conditions:
Recommended storage temperature: 2-8°C

7.3. Specific end use(s)

No data available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No data available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

No data available

8.2.2. Personal protection equipment

Eye/face protection:
Eye glasses with side protection EN 166

AESKUBLOTS® Wash and sample buffer (5x)

Skin protection:
Tested protective gloves must be worn EN ISO 374 In the case of wanting to use the gloves again, clean them before taking off and air them well. Breakthrough times and swelling properties of the material must be taken into consideration.

8.2.3. Environmental exposure controls
No data available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance
Physical state: Liquid
Colour: hellgelb-weiß
Odour: charakteristisch

Safety relevant basis data

Parameter	Value	① Method ② Remark
pH	6.2 – 6.4	
Melting point	*No data available*	
Freezing point	*No data available*	
Initial boiling point and boiling range	100 °C	
Flash point	120 °C	
Evaporation rate	*No data available*	
Auto-ignition temperature	*No data available*	
Upper/lower flammability or explosive limits	*No data available*	
Vapour pressure	*No data available*	
Vapour density	*No data available*	
Density	1.11 g/cm³	
Bulk density	*not applicable*	
Water solubility	*No data available*	
Dynamic viscosity	*No data available*	
Kinematic viscosity	*No data available*	

9.2. Other information
No data available

SECTION 10: Stability and reactivity

10.1. Reactivity
No data available

10.2. Chemical stability
No data available

10.3. Possibility of hazardous reactions
No data available

10.4. Conditions to avoid
No data available

10.5. Incompatible materials
No data available

10.6. Hazardous decomposition products
No data available

AESKUBLOTS® Wash and sample buffer (5x)

SECTION 11: Toxicological information

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

reaction mass of 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3-one CAS No.: 55965-84-9 EC No.: 911-418-6
LD_{50} oral: 64 mg/kg (Rat) OECD 401
LD_{50} dermal: 87.12 mg/kg (Rabbit) OECD 402
LC_{50} Acute inhalation toxicity (vapour): 0.5 mg/L

Acute oral toxicity:
Based on available data, the classification criteria are not met.

Acute dermal toxicity:
Based on available data, the classification criteria are not met.

Acute inhalation toxicity:
Based on available data, the classification criteria are not met.

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

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

Respiratory or skin sensitisation:
Contains reaction mass of 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3-one. May produce an allergic reaction.

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

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

Reproductive toxicity:
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.

Additional information:
No data available

11.2. Information on other hazards
No data available

SECTION 12: Ecological information

12.1. Toxicity

reaction mass of 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3-one CAS No.: 55965-84-9 EC No.: 911-418-6
LC_{50}: 0.19 mg/L 4 d (fish, Oncorhynchus mykiss (Rainbow trout))
EC_{50}: 0.1 mg/L 2 d (crustaceans, Daphnia magna (Big water flea)) OECD 202
NOEC: 0.00049 mg/L 2 d (Algae/water plant, Skeletonema costatum) OECD 201
ErC_{50}: 0.0052 mg/L 3 d (Algae/water plant, Skeletonema costatum) OECD 201

12.2. Persistence and degradability
No data available

AESKUBLOTS® Wash and sample buffer (5x)

12.3. Bioaccumulative potential

reaction mass of 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3-one CAS No.: 55965-84-9 EC No.: 911-418-6
Log K_{OW}: 0.401

12.4. Mobility in soil
No data available

12.5. Results of PBT and vPvB assessment

reaction mass of 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3-one CAS No.: 55965-84-9 EC No.: 911-418-6
Results of PBT and vPvB assessment: —

12.6. Endocrine disrupting properties
No data available

12.7. Other adverse effects
No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment options

Appropriate disposal / Product:
Consult the appropriate local waste disposal expert about waste disposal.

SECTION 14: Transport information

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1. UN number or ID number			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
14.2. UN proper shipping name			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
14.3. Transport hazard class(es)			
not relevant	not relevant	not relevant	not relevant
14.4. Packing group			
not relevant	not relevant	not relevant	not relevant
14.5. Environmental hazards			
not relevant	not relevant	not relevant	not relevant
14.6. Special precautions for user			
not relevant	not relevant	not relevant	not relevant

14.7. Maritime transport in bulk according to IMO instruments
No data available

SECTION 15: Regulatory information

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

15.1.1. EU legislation
No data available

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AESKUBLOTS® Wash and sample buffer (5x)

15.1.2. National regulations

[DE] National regulations

Water hazard class

WGK:

3 - highly hazardous to water

15.2. Chemical Safety Assessment

No data available

SECTION 16: Other information

16.1. Indication of changes

Revision according to REACH Regulation (EC) No. 1907/2006, last amended by Regulation (EU) 2020/878

16.2. Abbreviations and acronyms

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging
CMR	Carcinogenic, Mutagenic, toxic for Reproduction
DIN	German Institute for Standardization / German Industrial Standard
DNEL	derived no-effect level
EC_{50}	Effective Concentration 50%
ECHA	European Chemicals Agency
EN	European Standard
IATA	International Air Transport Association
IBC	Intermediate Bulk Container
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
ISO	International Standards Organisation
KG	body weight
LC_{50}	Lethal (fatal) Concentration 50%
LD_{50}	Lethal (fatal) Dose 50%
MAK	Maximum concentration in the workplace air (CH)
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety & Health
NOEC	No Observed Effect Concentration
OECD	Organisation for Economic Cooperation and Development
PBT	persistent and bioaccumulative and toxic
PNEC	Predicted No Effect Concentration
REACH	Registration, Evaluation and Authorization of Chemicals
RID	Dangerous goods regulations for transport by rail
SCL	Specific concentration limit
SVHC	substances of very high concern
UN	United Nations
vPvB	Very persistent and very bioaccumulative
°C	centigrade
CO	carbon monoxide
CO2	carbon dioxide
IgA	Immunoglobuline A
IgG	Immunoglobulin G
IgM	Immunoglobulin M
IVD	In-Vitro Diagnostic
MARPOL	International Convention for the Prevention of Pollution from Ships

16.3. Key literature references and sources for data

No data available

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

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

AESKUBLOTS® Wash and sample buffer (5x)

16.5. List of relevant hazard statements and/or precautionary statements from sections 2 to 15

Hazard statements	
H301	Toxic if swallowed.
H310	Fatal in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Supplemental hazard information	
EUH071	Corrosive to the respiratory tract.

16.6. Training advice

The information is based on the current state of our knowledge. You shall ours Describe products with regard to safety requirements, but do not represent them Assurance of product properties and do not constitute a contractual legal relationship. Copyright ©: Aesku.Diagnostics GmbH & Co. KG, copies may only be used for internal purposes be made.

16.7. Additional information

No data available

AESKUBLOTS® Anti-human IgX Conjugate

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

1.1. Product identifier

Trade name/designation:

AESKUBLOTS® Anti-human IgX Conjugate

Other means of identification:

CONJ

Article No.:

4006, 4007

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

Use of the substance/mixture:

AESKUBLOTS® Borrelia
AESKUBLOTS® Borrelia-G/M is a sensitive membrane based enzyme immunoassay for qualitative detection of specific IgG/M against Borrelia burgdorferi in human serum. Antigens are located as parallel lines at exactly defined positions on a nitrocellulose membrane.
The assay is a tool to confirm positive ELISA results.

1.3. Details of the supplier of the safety data sheet

Manufacturer:

Aesku.Diagnostics GmbH & Co. KG
Mikroforum Ring 2
55234 Wendelsheim
Germany
Telephone: +49 6734 9622-0
Telefax: +49 6734 9622-2222
E-mail: info@aesku.com
Website: www.aesku.com

E-mail (competent person): info@aesku.com

1.4. Emergency telephone number

Aesku.Diagnostics GmbH & Co. KG, +49 6734 9622-0 (Only available during office hours.)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

According to EC directives or the corresponding national regulations the product does not have to be labelled.

Hazard components for labelling:

ProClin ® 300; phenol

Hazard statements: none
Supplemental hazard information: none
Precautionary statements: none

2.3. Other hazards

No data available

AESKUBLOTS® Anti-human IgX Conjugate

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients / Hazardous impurities / Stabilisers:

Product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
	ProClin ® 300 Acute Tox. 4 (H302), Aquatic Acute 1 (H400), Aquatic Chronic 1 (H410), Skin Corr. 1C (H314), Skin Sens. 1 (H317)  Danger **Acute Toxicity Estimate** ATE (oral) 862 mg/kg ATE (dermal) 2,800 mg/kg	0 – ≤ 0.1 weight-%
CAS No.: 108-95-2 EC No.: 203-632-7 Index No.: 604-001-00-2	**phenol** Acute Tox. 3 (H301, H331, H311), Aquatic Chronic 2 (H411), Eye Dam. 1 (H318), Muta. 2 (H341), STOT RE 2 (H373), Skin Corr. 1B (H314)  Danger **Specific concentration limit (SCL)** Skin Corr. 1B; H314: C ≥ 3% Skin Irrit. 2; H315: 1% ≤ C < 3% Eye Dam. 1; H318: C ≥ 3% Eye Irrit. 2; H319: 1% ≤ C < 3% **Acute Toxicity Estimate** ATE (oral) 317 mg/kg ATE (dermal) 630 mg/kg ATE (inhalation, vapour) 3 mg/L ATE (inhalation, dust/mist) 0.5 mg/L	0 – ≤ 0.0066 weight-%

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

SECTION 4: First aid measures

4.1. Description of first aid measures

General information:
In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove victim out of the danger area. Remove contaminated, saturated clothing. If unconscious but breathing normally, place in recovery position and seek medical advice. Do not leave affected person unattended.

Following inhalation:
Provide fresh air.

Following ingestion:
Rinse mouth. Let 1 glass of water be drunken in little sips (dilution effect). Get medical advice/attention if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed
No known symptoms to date.

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

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:
Co-ordinate fire-fighting measures to the fire surroundings.

5.2. Special hazards arising from the substance or mixture
The product itself does not burn.

Hazardous combustion products:
In case of fire: Gases/vapours, toxic

AESKUBLOTS® Anti-human IgX Conjugate

5.3. Advice for firefighters
Wear a self-contained breathing apparatus and chemical protective clothing.

5.4. Additional information
Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Personal precautions:
Remove persons to safety. Avoid breathing dust/fume/gas/mist/vapours/spray.

Protective equipment:
Wear protective gloves/protective clothing/eye protection/face protection.

6.1.2. For emergency responders

Personal protection equipment:
Personal protection equipment: see section 8

6.2. Environmental precautions
Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

For containment:
Absorb with liquid-binding material (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

6.5. Additional information
Use appropriate container to avoid environmental contamination.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures

Advices on safe handling:
Wear personal protection equipment (refer to section 8).

Fire prevent measures:
No special measures are necessary.

Advices on general occupational hygiene
When using do not eat, drink, smoke, sniff. Avoid contact with skin, eyes and clothes.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions:
Keep container tightly closed in a cool, well-ventilated place.

Further information on storage conditions:
Recommended storage temperature: 2-8°C

7.3. Specific end use(s)

Recommendation:
Item 1.2 and the instructions for use must be observed.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Occupational exposure limit values

Limit value type (country of origin)	Substance name	① Long-term occupational exposure limit value ② Short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark
IDLH (US) from 1 Jan 1994	**phenol** CAS No.: 108-95-2 EC No.: 203-632-7	① 250 ppm
TRGS 900 (DE) from 1 May 2010	**phenol** CAS No.: 108-95-2 EC No.: 203-632-7	① 2 ppm (8 mg/m³) ② 4 ppm (16 mg/m³) ⑤ (Aerosol und Dampf, kann über die Haut aufgenommen werden) EU, H, 11
ES from 1 Jan 2012	**phenol** CAS No.: 108-95-2 EC No.: 203-632-7	① 2 ppm (8 mg/m³) ② 4 ppm (16 mg/m³) ⑤ (puede ser absorbido a través dérmica) vía dérmica, VLB®, VLI
IOELV (EU) from 17 Dec 2009	**phenol** CAS No.: 108-95-2 EC No.: 203-632-7	① 2 ppm (8 mg/m³) ② 4 ppm (16 mg/m³) ⑤ (may be absorbed through the skin)
OSHA (US)	**phenol** CAS No.: 108-95-2 EC No.: 203-632-7	① 5 ppm (19 mg/m³) ⑤ (may be absorbed through the skin)
NIOSH (US)	**phenol** CAS No.: 108-95-2 EC No.: 203-632-7	① 5 ppm (19 mg/m³) ③ 15.6 ppm (60 mg/m³) ⑤ (may be absorbed through the skin)
ACGIH (US)	**phenol** CAS No.: 108-95-2 EC No.: 203-632-7	① 5 ppm (19 mg/m³) ⑤ (may be absorbed through the skin)

8.1.2. Biological limit values

Limit value type (country of origin)	Substance name	Limit value	① Parameter ② Test material ③ Time of sampling: ④ Remark
TRGS 903 (DE) from 19 Sept 2013	**phenol** CAS No.: 108-95-2 EC No.: 203-632-7	120 mg/g Creatinin	① Phenol ② Urin ③ Expositionsende bzw. Schichtende
VLB (ES) from 1 Jan 2013	**phenol** CAS No.: 108-95-2 EC No.: 203-632-7	120 mg/g creatinina	① fenol ② orina ③ fin de exposición o fin de turno
ACGIH-BEI (US)	**phenol** CAS No.: 108-95-2 EC No.: 203-632-7	250 mg/g creatinine	① phenol ② urine ③ end of exposure or end of shift
BLV (EU) from 1 Jun 2014	**phenol** CAS No.: 108-95-2 EC No.: 203-632-7	120 mg/g creatinine	① phenol ② urine ③ no restriction

8.1.3. DNEL-/PNEC-values

No data available

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8.2. Exposure controls

8.2.1. Appropriate engineering controls
No data available

8.2.2. Personal protection equipment

Eye/face protection:
Eye glasses with side protection EN 166

Skin protection:
Tested protective gloves must be worn EN ISO 374 .In the case of wanting to use the gloves again, clean them before taking off and air them well. Breakthrough times and swelling properties of the material must be taken into consideration. Suitable material: Breakthrough time: min

8.2.3. Environmental exposure controls
No data available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state: Liquid
Colour: transparent
Odour: not determined

Safety relevant basis data

Parameter	Value	at °C	① Method ② Remark
pH	6.7 – 6.9	21 °C	
Melting point	*No data available*		
Freezing point	*No data available*		
Initial boiling point and boiling range	*No data available*		
Flash point	*not applicable*		
Evaporation rate	*No data available*		
Auto-ignition temperature	*not applicable*		
Upper/lower flammability or explosive limits	*No data available*		
Vapour pressure	*No data available*		
Vapour density	*No data available*		
Density	*No data available*		
Bulk density	*not applicable*		
Water solubility	*No data available*		
Dynamic viscosity	*No data available*		
Kinematic viscosity	*No data available*		

9.2. Other information
No data available

SECTION 10: Stability and reactivity

10.1. Reactivity
The product itself does not burn. not relevant

10.2. Chemical stability
Storage temperature: 2-8°C

10.3. Possibility of hazardous reactions
No data available

10.4. Conditions to avoid
Light, heat, moisture (no dangerous reaction follows, the product becomes unusable).

AESKUBLOTS® Anti-human IgX Conjugate

10.5. Incompatible materials
No data available

10.6. Hazardous decomposition products
In case of fire: Gases/vapours, toxic

Further information
Light, heat, moisture (no dangerous reaction follows, the product becomes unusable)

SECTION 11: Toxicological information

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

ProClin ® 300
LD_{50} oral: 862 mg/kg (Ratte)
LD_{50} dermal: 2,800 mg/kg (Kaninchen)
phenol CAS No.: 108-95-2 EC No.: 203-632-7
LD_{50} oral: 317 mg/kg (Ratte)
LD_{50} dermal: 630 mg/kg (Kaninchen)

Acute oral toxicity:
Based on available data, the classification criteria are not met.

Acute dermal toxicity:
Based on available data, the classification criteria are not met.

Acute inhalation toxicity:
Based on available data, the classification criteria are not met.

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

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

Respiratory or skin sensitisation:
Contains ProClin ® 300. May produce an allergic reaction.

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

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

Reproductive toxicity:
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.

Additional information:
No data available

11.2. Information on other hazards
No data available

SECTION 12: Ecological information

12.1. Toxicity

phenol CAS No.: 108-95-2 EC No.: 203-632-7
LC_{50}: 8.9 mg/L 4 d (fish)
EC_{50}: 3.1 mg/L 2 d
LC_{50}: 21.93 mg/L (fish)
EC_{50}: 10 mg/L
NOEC: 0.077 mg/L (fish)

12.2. Persistence and degradability

ProClin ® 300
Biodegradation: Poorly biodegradable.
phenol CAS No.: 108-95-2 EC No.: 203-632-7
Biodegradation: Yes, rapidly

12.3. Bioaccumulative potential

phenol CAS No.: 108-95-2 EC No.: 203-632-7
Log K_{OW}: 1.47
Bioconcentration factor (BCF): 17.5

12.4. Mobility in soil
No data available

12.5. Results of PBT and vPvB assessment

ProClin ® 300
Results of PBT and vPvB assessment: This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.
phenol CAS No.: 108-95-2 EC No.: 203-632-7
Results of PBT and vPvB assessment: This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

12.6. Endocrine disrupting properties
No data available

12.7. Other adverse effects
No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

13.1.1. Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV
Waste code product

18 02 03	wastes whose collection and disposal is not subject to special requirements in order to prevent infection

Waste treatment options
Appropriate disposal / Product:
Consult the appropriate local waste disposal expert about waste disposal.

13.2. Additional information
Do not allow run-off from fire-fighting to enter drains or water courses.

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SECTION 14: Transport information

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1. UN number or ID number			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
14.2. UN proper shipping name			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
14.3. Transport hazard class(es)			
not relevant	not relevant	not relevant	not relevant
14.4. Packing group			
not relevant	not relevant	not relevant	not relevant
14.5. Environmental hazards			
not relevant	not relevant	not relevant	not relevant
14.6. Special precautions for user			
not relevant	not relevant	not relevant	not relevant

14.7. Maritime transport in bulk according to IMO instruments
No data available

SECTION 15: Regulatory information

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

15.1.1. EU legislation
No data available

15.1.2. National regulations
[DE] National regulations

Water hazard class

WGK:

1 - slightly hazardous to water

15.2. Chemical Safety Assessment
No data available

SECTION 16: Other information

16.1. Indication of changes
Revision according to REACH Regulation (EC) No. 1907/2006, last amended by Regulation (EU) 2020/878

16.2. Abbreviations and acronyms

ACGIH	American Conference of Governmental Industrial Hygienists
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
BCF	Bioconcentration Factor
CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging
DIN	German Institute for Standardization / German Industrial Standard
DNEL	derived no-effect level
EC_{50}	Effective Concentration 50%
ECHA	European Chemicals Agency
EINECS	European Inventory of Existing Commercial Chemical Substances
EN	European Standard

ES	Exposure scenario
EWC	European Waste Catalogue
GHS	Globally Harmonized System of Classification and Labelling of Chemicals
IATA	International Air Transport Association
IBC	Intermediate Bulk Container
IC_{50}	Inhibition Concentration 50 %
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
ISO	International Standards Organisation
KG	body weight
LC_{50}	Lethal (fatal) Concentration 50%
LD_{50}	Lethal (fatal) Dose 50%
MAK	Maximum concentration in the workplace air (CH)
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety & Health
NOEC	No Observed Effect Concentration
OEL	Threshold Limit Value
OSHA	Occupational Safety & Health Administration
PBT	persistent and bioaccumulative and toxic
PNEC	Predicted No Effect Concentration
REACH	Registration, Evaluation and Authorization of Chemicals
RID	Dangerous goods regulations for transport by rail
SCL	Specific concentration limit
SVHC	substances of very high concern
TRGS	Technische Regeln für Gefahrstoffe
UN	United Nations
ZNS	central nervous system
°C	centigrade
AwSV	Ordinance on systems for handling water-polluting substances
CO	carbon monoxide
CO2	carbon dioxide
IgA	Immunoglobuline A
IgG	Immunoglobulin G
IgM	Immunoglobulin M
IVD	In-Vitro Diagnostic
MARPOL	International Convention for the Prevention of Pollution from Ships

16.3. Key literature references and sources for data

No data available

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

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

16.5. List of relevant hazard statements and/or precautionary statements from sections 2 to 15

Hazard statements	
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H341	Suspected of causing genetic defects.

Hazard statements	
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

16.6. Training advice
No data available

16.7. Additional information
The information is based on the current state of our knowledge. You shall ours Describe products with regard to safety requirements, but do not represent them Assurance of product properties and do not constitute a contractual legal relationship. Copyright ©: Aesku.Diagnostics GmbH & Co. KG, copies may only be used for internal purposes be made.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 15 Sept 2025
Print date: 17 Sept 2025
Version: 3

AESKUBLOTS® Substrate

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

1.1. Product identifier

Trade name/designation:

AESKUBLOTS® Substrate

Other means of identification:

SUB

Article No.:

400x, 40100x, 421xxx, 421xxx.BULK.120, 431xxx, 431xxx.BULK120

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

Use of the substance/mixture:

AESKUBLOTS®

Component for in vitro tests for scientific research and development. For professional use only.

1.3. Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor):

Aesku.Diagnostics GmbH & Co. KG
Mikroforum Ring 2
55234 Wendelsheim
Germany
Telephone: +49 6734 9622-0
Telefax: +49 6734 9622-2222
E-mail: info@aesku.com
Website: www.aesku.com

1.4. Emergency telephone number

No data available

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

According to EC directives or the corresponding national regulations the product does not have to be labelled.

Hazard statements: none
Supplemental hazard information: none
Precautionary statements: none

2.3. Other hazards

Adverse physicochemical effects:

No information available.

Adverse human health effects and symptoms:

No information available.

Adverse environmental effects:

No information available.

Other adverse effects:

No information available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

No data available

AESKUBLOTS® Substrate

SECTION 4: First aid measures

4.1. Description of first aid measures

General information:
When in doubt or if symptoms are observed, get medical advice.

Following inhalation:
Provide fresh air.

In case of skin contact:
Wash with plenty of water.

After eye contact:
Rinse immediately carefully and thoroughly with eye-bath or water. Remove contact lenses, if present and easy to do. Continue rinsing.

Following ingestion:
Rinse mouth immediately and drink 1 glass of of water.

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

No data available

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:
Use foam to extinguish.

Unsuitable extinguishing media:
Full water jet

5.2. Special hazards arising from the substance or mixture

The product itself does not burn.

Hazardous combustion products:
CO carbon monoxide

5.3. Advice for firefighters

Co-ordinate fire-fighting measures to the fire surroundings.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Personal precautions:
Personal protection equipment: see section 8

6.1.2. For emergency responders

Personal protection equipment:
Use personal protective equipment as required.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

For containment:
Take up mechanically.

For cleaning up:
Wipe up with absorbent material (eg. cloth, fleece).

6.4. Reference to other sections

Safe handling: see section 7 Personal protection equipment: see section 8

AESKUBLOTS® Substrate

6.5. Additional information
No further relevant information available.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures

Advices on safe handling:
Item 1.2 and the instructions for use must be observed.

Fire prevent measures:
No special fire protection measures are necessary.

Advices on general occupational hygiene
When using do not eat, drink, smoke, sniff. Avoid contact with skin, eyes and clothes.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels:
Keep container tightly closed. Keep cool. Keep/Store only in original container. Never return spills in original containers for re-use.

Hints on storage assembly:
Keep away from: Food and feedingstuffs

Storage class (TRGS 510, Germany): 12 – non-combustible liquids that cannot be assigned to any of the above storage classes

Further information on storage conditions:
Recommended storage temperature: 2-8°C

7.3. Specific end use(s)

Recommendation:
Item 1.2 and the instructions for use must be observed.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters
No data available

8.2. Exposure controls

8.2.1. Appropriate engineering controls
No data available

8.2.2. Personal protection equipment

Eye/face protection:
Eye protection: not required.

Skin protection:
Hand protection: When handling chemical working substances, only chemical protective gloves with a CE mark including a four-digit test number may be worn. Chemical protective gloves must be selected according to the specific workplace, depending on the concentration and quantity of the hazardous substance. It is recommended to clarify the chemical resistance of the above-mentioned protective gloves for specific applications with the glove manufacturer.
Suitable material: NBR (nitrile rubber)
Glove material thickness: ≥ 0.1 mm
Breakthrough time: > 480 min
Take recovery breaks to allow the skin to regenerate.
Body protection: Use of protective clothing

Respiratory protection:
Usually no personal respirative protection necessary.

Thermal hazards:
No special handling advices are necessary.

8.2.3. Environmental exposure controls
No special environmental measures are necessary.

AESKUBLOTS® Substrate

8.3. Additional information
No information available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state: Liquid
Colour: not determined
Odour: odourless
flammability: No

Safety relevant basis data

Parameter	Value	at °C	① Method ② Remark
pH	4.7 – 5.3	21 °C	
Melting point	*No data available*		
Freezing point	*No data available*		
Initial boiling point and boiling range	100 °C		
Flash point	380 °C		
Evaporation rate	*No data available*		
Auto-ignition temperature	*not applicable*		
Upper/lower flammability or explosive limits	*No data available*		
Vapour pressure	*No data available*		
Vapour density	*No data available*		
Density	1.007 g/cm³		
Bulk density	*not applicable*		
Water solubility	*No data available*		
Dynamic viscosity	*No data available*		
Kinematic viscosity	*No data available*		

9.2. Other information
No data available

SECTION 10: Stability and reactivity

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
Light, heat, moisture (no dangerous reaction follows, the product becomes unusable)

10.5. Incompatible materials
metals (including their alloys)

10.6. Hazardous decomposition products
No known hazardous decomposition products.

AESKUBLOTS® Substrate

SECTION 11: Toxicological information

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

Toxicological information

Acute Toxicity Estimate for Mixtures
ATE (oral): >2,000 mg/kg
ATE (dermal): >2,000 mg/kg
ATE (inhalation, vapour): >20 mg/L
ATE (inhalation, dust/mist): >5 mg/L

11.2. Information on other hazards

No data available

SECTION 12: Ecological information

12.1. Toxicity

No data available

12.2. Persistence and degradability

No data available

12.3. Bioaccumulative potential

No data available

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment:
No data available

12.6. Endocrine disrupting properties

No data available

12.7. Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

13.1.1. Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

Waste code product

16 05 09	(16) WASTES NOT OTHERWISE SPECIFIED IN THE LIST (05) gases in pressure containers and discarded chemicals (09) discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08

Waste code packaging

15 01 02	(15) WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED (01) packaging (including separately collected municipal packaging waste) (02) Plastic packaging

SECTION 14: Transport information

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1. UN number or ID number			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.2. UN proper shipping name			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
14.3. Transport hazard class(es)			
not relevant	not relevant	not relevant	not relevant
14.4. Packing group			
not relevant	not relevant	not relevant	not relevant
14.5. Environmental hazards			
not relevant	not relevant	not relevant	not relevant
14.6. Special precautions for user			
not relevant	not relevant	not relevant	not relevant

14.7. Maritime transport in bulk according to IMO instruments
No data available

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
No data available

15.2. Chemical Safety Assessment
No data available

SECTION 16: Other information

16.1. Indication of changes
Revision according to REACH Regulation (EC) No. 1907/2006, last amended by Regulation (EU) 2020/878

16.2. Abbreviations and acronyms

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
CLP	Classification, Labelling and Packaging
EWC	European Waste Catalogue
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
KG	body weight
NFPA	National Fire Protection Association
PBT	persistent and bioaccumulative and toxic
REACH	Registration, Evaluation and Authorization of Chemicals
RID	Dangerous goods regulations for transport by rail
TRGS	Technische Regeln für Gefahrstoffe
UN	United Nations

16.3. Key literature references and sources for data
No data available

16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]
The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

16.5. List of relevant hazard statements and/or precautionary statements from sections 2 to 15
No data available

16.6. Training advice
No data available

16.7. Additional information
No data available