

R - eSCENTial 310 Pure menthol

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Date of issue: 10/19/2017 Version: 1.0



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

1.1. Product identifier

Product form : Mixture
Product name : R - eSCENTial 310 Pure menthol
Product code : DM107

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

1.2.1. Relevant identified uses

Main use category : Industrial use
Industrial/Professional use spec : Textile industries
Use of the substance/mixture : Suspension of microcapsules in aqueous solution.

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Devan Chemicals N.V.
I.Z. Klein Frankrijk - Klein Frankrijkstraat 8
9600 Ronse - België
T +32 55 23 01 10 - F +32 55 23 01 19
info@devan-be.com - www.devan.net

1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Comment
	Centre Anti-Poisons/Antigifcentrum c/o Hôpital Central de la Base - Reine Astrid	Rue Bruyn B -1120 Brussels	+32 70 245 245	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP] Mixtures/Substances: SDS EU 2015: According to Regulation (EU) 2015/830 (REACH Annex II)

Not classified

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

No labelling applicable

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Comments : Microcapsules are a multicomponent mixture of organic oils and materials in a polymer shell.

This mixture does not contain any substances to be mentioned according to the criteria of section 3.2 of REACH annex II

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation : Allow breathing of fresh air. Allow the victim to rest.
First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.
First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

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

Symptoms/effects : Not expected to present a significant hazard under anticipated conditions of normal use.

R - eSCENTial 310 Pure menthol

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

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

Treat symptomatically. Ingestion of large quantities: immediately to hospital.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire.

Unsuitable extinguishing media : None known.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Carbon dioxide. Carbon monoxide.

5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Keep container closed when not in use.

Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Hand protection:
protective gloves
Eye protection:
Chemical goggles or safety glasses
Skin and body protection:
Wear suitable protective clothing
Respiratory protection:
Where exposure through inhalation may occur from use, respiratory protection equipment is recommended

Environmental exposure controls:

Specific risk management measures are not required beyond good industrial hygiene and safety procedures.

Other information:

Do not eat, drink or smoke during use. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

R - eSCENTial 310 Pure menthol

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: white.
Odour	: characteristic.
Odour threshold	: No data available
pH	: 7
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Non flammable.
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: Dispersible.
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Stable.

10.3. Possibility of hazardous reactions

None under normal conditions.

10.4. Conditions to avoid

None.

10.5. Incompatible materials

None.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
Skin corrosion/irritation	: Not classified
	pH: 7
Additional information	: Based on available data, the classification criteria are not met
Serious eye damage/irritation	: Not classified
	pH: 7
Additional information	: Based on available data, the classification criteria are not met
Respiratory or skin sensitisation	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Germ cell mutagenicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Carcinogenicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Reproductive toxicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met

R - eSCENTial 310 Pure menthol

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

STOT-single exposure	: Not classified
Additional information	: Based on available data, the classification criteria are not met
STOT-repeated exposure	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Aspiration hazard	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Potential adverse human health effects and symptoms	: Based on available data, the classification criteria are not met. May cause skin irritation. Effects of skin contact may include : redness.

SECTION 12: Ecological information

12.1. Toxicity

Acute aquatic toxicity	: Not classified
Chronic aquatic toxicity	: Not classified

12.2. Persistence and degradability

R - eSCENTial 310 Pure menthol

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

R - eSCENTial 310 Pure menthol

Bioaccumulative potential	Not established.
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Additional information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials	: Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / IATA / IMDG

ADR	IMDG	IATA
14.1. UN number		
Not applicable	Not applicable	Not applicable
14.2. UN proper shipping name		
Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)		
Not applicable	Not applicable	Not applicable
14.4. Packing group		
Not applicable	Not applicable	Not applicable
14.5. Environmental hazards		
Not applicable	Not applicable	Not applicable
No supplementary information available		

14.6. Special precautions for user

Overland transport

Not applicable

Transport by sea

Not applicable

Air transport

Not applicable

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

Not applicable

R - eSCENTial 310 Pure menthol

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Directive 2012/18/EU (SEVESO III)

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information : None.

SDS EU Devan volledig

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.



SCIESSENT LLC

Safety Data Sheet Agion® AM-B10G Slurry

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

1.1 Product identifier

Product name	Agion® AM-B10G Slurry
Brand	Agion®
Substance name	Mixture

1.2 Relevant identified uses of the substance or mixture and uses advised against Antimicrobial treatment for textiles

1.3 Details of the supplier of the safety data sheet

Name	Sciessent LLC
Address	100 Cummings Center Suite 251-G Beverly, MA 01915 USA
Telephone	781-224-7100
email	EHS coordinator - info@sciessent.com

1.4 Emergency telephone number

Chem TREC (24 hour) 1-800-424-9300 or +1-703-527-3887

SECTION 2: Hazards identification

General hazard statement

Hazardous to the aquatic environment, short term, acute. Category 1.
Hazardous to the aquatic environment, long-term, chronic. Category 2.

2.1 Classification of the substance or mixture

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

2.2 Label elements

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

Safety Data Sheet

Agion® AM-B10G Slurry (EU)

Hazard pictograms



SECTION 3: Composition/information on ingredients

3.2 Mixtures

Substance name Mixture

Hazardous components

1. Silver copper zeolite

Concentration 10 - 15 % (weight)
CAS no. 130328-19-7

- Hazardous to the aquatic environment, short-term (acute) (chapter 4.1), Cat. 1
- Hazardous to the aquatic environment, long-term (chronic) (chapter 4.1), Cat. 1

H400 Very toxic to aquatic life
H410 Very toxic to aquatic life with long lasting effects

2. Silver zeolite

Concentration 5 - 10 % (weight)
CAS no. 130328-18-6

- Hazardous to the aquatic environment, short-term (acute) (chapter 4.1), Cat. 1
- Hazardous to the aquatic environment, long-term (chronic) (chapter 4.1), Cat. 1

H400 Very toxic to aquatic life
H410 Very toxic to aquatic life with long lasting effects

SECTION 4: First aid measures

4.1 Description of first aid measures

Following inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.
Following skin contact	Immediately wash skin with soap and plenty of water. Get medical attention if irritation develops or persists.
Following eye contact	Immediately flush eyes with plenty of water for at least 15 to 20 minutes. Ensure adequate flushing of the eyes by separating the eyelids with fingers. Remove contacts if present and easy to do. Continue rinsing. Get medical attention, if irritation or symptoms of overexposure persists.
Following ingestion	If swallowed, do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.
Self-protection of the first aider	As in any fire, wear Self-Contained Breathing Apparatus (SCBA), MSHA/NIOSH (approved or equivalent) and full protective gear.

Safety Data Sheet

Agion® AM-B10G Slurry (EU)

4.2 Most important symptoms and effects, both acute and delayed

Refer to Section 2 and/or Section 11.

4.3 Indication of any immediate medical attention and special treatment needed

None.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Use alcohol resistant foam, carbon dioxide, dry chemical, or water fog or spray when fighting fires involving this material.

5.2 Special hazards arising from the substance or mixture

None

5.3 Advice for firefighters

None

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Evacuate area and keep unnecessary and unprotected personnel from entering the spill area. Use proper personal protective equipment as listed in Section 8.

6.2 Environmental precautions

Avoid runoff into storm sewers, ditches, and waterways.

6.3 Methods and material for containment and cleaning up

SMALL SPILLS: Contain and absorb with absorbent material and place into containers for later disposal. Wash site of spillage thoroughly with water. LARGE SPILLS: Dike far ahead of spill to prevent further movement. Recover by pumping or by using a suitable absorbent material and place into containers for later disposal. Dispose in suitable waste container.

6.4 Reference to other sections

For disposal see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Use with adequate ventilation. Avoid breathing vapor and contact with eyes, skin and clothing.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well ventilated area away from sources of heat, combustible materials, and incompatible substances. Keep container tightly closed when not in use.

Do not store below 40° F (4° C) to protect from freezing or above 120° F (50° C) to maintain product quality.

Store in a tightly closed corrosion resistant container to prevent evaporation of water and the introduction of contaminants that can adversely affect performance.

7.3 Specific end use(s)

Slurry should be thoroughly mixed prior to use to ensure uniform dispersion, since settling will occur during prolonged storage. Particular attention should be paid to the bottom of the container to ensure homogeneous composition.

Safety Data Sheet

Agion® AM-B10G Slurry (EU)

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

8.2 Exposure controls

Appropriate engineering controls

Use appropriate engineering controls such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Good general ventilation should be sufficient to control airborne levels. Where such systems are not effective wear suitable personal protective equipment, which performs satisfactorily and meets OSHA or other recognized standards. Consult with local procedures for selection, training, inspection and maintenance of the personal protective equipment.

Personal protection equipment

Pictograms



Eye and face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Chemical-resistant gloves and chemical goggles, face-shield and synthetic apron or coveralls should be used to prevent contact with eyes, skin or clothing.

Body protection

Chemical-resistant gloves and chemical goggles, face-shield and synthetic apron or coveralls should be used to prevent contact with eyes, skin or clothing.

Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	Blue Slurry
Odour	Not determined.
Odour threshold	Not determined.
pH	7 - 9
Melting point / freezing point	Not determined.
Initial boiling point and boiling range	> 100 C
Flash point	> 100 C
Evaporation rate	Not determined.
Flammability (solid, gas)	Not applicable
Upper/lower flammability limits	Not applicable
Vapour pressure	Not determined.
Vapour density	Not determined.
Relative density	~9 lbs/gal (1.07 g/cm ³) @25°C
Solubilit(ies)	Not determined.

Safety Data Sheet

Agion® AM-B10G Slurry (EU)

Partition coefficient: n-octanol/water	Not determined.
Auto-ignition temperature	Not applicable
Decomposition temperature	Not determined.
Viscosity	Not applicable
Explosive properties	Not determined.
Oxidising properties	Not determined.

SECTION 10: Stability and reactivity

10.1 Reactivity

No data available

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

None under normal use conditions.

10.4 Conditions to avoid

Heat, flames, and incompatible materials. Temperature below 40° F (4° C) or above 120°F (50° C).

10.5 Incompatible materials

None known

10.6 Hazardous decomposition products

Water: In the event of fire: see section 5

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Silver Copper Zeolite:

Inhalation: Inhalation Rat LC50: > 2.59 m g/L/4hr (Manufacturer Studies)

Ingestion: Ingestion Rat LD50: > 5 gm/kg (Manufacturer Studies)

Silver Zeolite:

Dermal Rat LD50: > 2 gm/kg

Ingestion Rat LD50: > 5 gm/kg (Manufacturer Studies)

Inhalation Rat LC 50: > 18,300 mg/m 3/1hr (TS: zeolite s A) (OECD SIDS)

Skin corrosion/irritation

Silver Copper Zeolite:

Skin Rat: Slight irritation. (Manufacturer Studies)

Silver Zeolite:

Skin Rat: No significant irritation (Manufacturer Studies)

Serious eye damage/irritation

No data available on product

Safety Data Sheet

Agion® AM-B10G Slurry (EU)

Respiratory or skin sensitization

Silver Copper Zeolite:

Skin Guinea pig: Not sensitizing. (Manufacturer Studies)

Silver Zeolite:

Skin Rat: No significant irritation (Manufacturer Studies)

Germ cell mutagenicity

Silver Copper Zeolite:

In vitro Ames test: Non mutagenic. (Manufacturer Studies)

Silver Zeolite:

In vitro Ames test: Non mutagenic.

In vivo Chromosome Aberration Assay: Silver Zinc Zeolite did not cause an increase in chromosomal aberrations at any time point in either male or female rats. (Manufacturer Studies)

Carcinogenicity

Not listed in IARC, NTP, or OSHA.

Reproductive toxicity

No data available on product

STOT-single exposure

No data available on product

STOT-repeated exposure

No data available on product

Aspiration hazard

No data available on product

SECTION 12: Ecological information

12.1 Toxicity

Ecotoxicity: No data available for this product.

12.2 Persistence and degradability

No data available on product

12.3 Bioaccumulative potential

No data available on product

12.4 Mobility in soil

No data available on product.

12.6 Other adverse effects

Silver Copper Zeolite:

Effect of Material On Aquatic Life:

Pimephales promelas LC50 96 h 1.2 µg/L (Silver)

Daphnia magna LC50 48 h 0.22 µg/L (Silver)

Danio rerio NOEC 35 d 5.9 µg/L (Silver)

Ceriodaphnia dubia EC10 7 d 2.48 µg/L (Silver)

Nostoc muscorum EC10 15 d 0.16 µg/L (Silver)(ECHA)

Safety Data Sheet

Agion® AM-B10G Slurry (EU)

Silver Zeolite:

Effect of Material On Aquatic Life:

- Oncorhynchus kisutch 96 h LC 50 820 µg/L (TS: Zinc chloride)
- Daphnia magna 48 h LC 50 330 µg/L (TS: Zinc chloride)
- Pseudokirchnerella subcapitata 72 h NO EC 5.4 µg/L (TS: Zinc chloride)
- Oncorhynchus mykiss 30 d NOEC 39 µg/L (TS: Zinc chloride) (ECHA)

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Disposal of the product

Dispose of contents/ container in accordance with the local/regional/national/international regulations.

SECTION 14: Transport information

DOT (US)

UN Number: Not regulated as hazardous material for transportation.
Proper Shipping Name: Not regulated as hazardous material for transportation.

IMDG

UN Number: UN3082
Class: 9
Packing Group: III
Proper Shipping Name: Environmentally hazardous substance, solid, n.o.s. (silver zeolite, silver copper zeolite)

IATA

UN Number: UN3082
Class: 9
Packing Group: III
Proper Shipping Name: Environmentally hazardous substance, solid, n.o.s. (silver zeolite, silver copper zeolite)

14.1	UN Number	3082
14.2	UN Proper Shipping Name	Environmentally hazardous substance, liquid, n.o.s. (silver zeolite, silver copper zeolite)
14.3	Transport hazard class(es)	9
14.4	Packing group	III

SECTION 15: Regulatory information

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

SARA 313 Components

SARA 313 Listed, N740 Silver Compounds (8%), N100 Copper Compounds (12%)

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

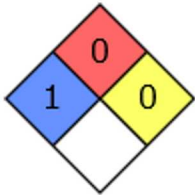
Safety Data Sheet

Agion® AM-B10G Slurry (EU)

HMIS Rating

Mixture	
HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	X

NFPA Rating



SECTION 16: Other information

SDS Revision Date: January 01, 2020
SDS Revision Notes: Revision 6

Further information/disclaimer

This SDS is valid for all countries in the European Union (EU) as well as Turkey