

## SAFETY DATA SHEET

### Part 1: Product and enterprise identification

#### 1.1 Product ID:

Sweet Heat – Cinnamon Flavor

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

Heating rod made from tea as filler of aerosolizing stick, insert stick into heating device to generate aerosol for consumption.

#### 1.3 Details of the supplier of the safety data sheet:

##### Details of the manufacturer/distributor:

HNB TRADE GmbH,  
2100 Korneuburg, Stockerauer strasse 181/2.19

1.3.1 Name of person responsible: -

E-mail: info@fortea9store.com

#### 1.4 Emergency telephone number:

Telephone: VIV Notruf 014064343

### Section 2: Hazards identification

#### 2.1 Classification of the mixture:

##### Classification according to Regulation 1272/2008/EC (CLP)

Acute toxicity (oral), hazard category 3-H301

Acute toxicity(dermal), hazard category 2 -H310

Acute toxicity(inhalation), hazard category 3 -H331

Aquatic Chronic(environment), hazard category 3 – H412

##### Warning H-phrases:

H301 - Toxic if swallowed

H310 - Fatal in contact with skin

H331 - Toxic if inhaled

H412-Harmful to aquatic life with long lasting effects

#### 2.2 Label elements

Components determining the danger: Nicotine malate



DANGER

##### Hazard phrases

H301 - Toxic if swallowed

H310 - Fatal in contact with skin

H331 - Toxic if inhaled

H412-Harmful to aquatic life with long lasting effects

##### P-clauses on precautionary measures:

P101 - If medical advice is needed, have a product container or label at hand.

P102 - Keep out of reach of children.  
P262 Do not get in eyes, on skin, or on clothing.  
P264 Wash hands thoroughly after handling  
P270 Do not eat, drink or smoke when using this product.  
P273 Avoid release to the environment  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P301 + P310:IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
P302+P350:IF ON SKIN: Gently wash with plenty of soap and water.  
P304+340:IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P330: Rinse mouth.  
P361:Remove/Take off immediately all contaminated clothing.  
P501: Dispose of contents/container to an approved waste disposal plant.  
EUH208- Contains Fig Ext, Cinnamon oil, trans-Cinnamaldehyde. May produce an allergy reaction.

### 2.3 Other hazards:

The mixture has no other known harmful effects on health or the environment.

**Results of the PBT and vPvB assessment:** The mixture does not contain any component that is persistent, bioaccumulative, and toxic (PBT) or very persistent and very bioaccumulative (vPvB) according to Regulation (EC) No. 1907/2006 XIII.

**Endocrine disrupting properties:** The mixture does not contain substances with endocrine disrupting properties according to the criteria defined in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

## Section 3: Composition/information on ingredients

**3.1 Substance:** Not applicable.

### 3.2 Mixtures:

| Name /<br>Index NO. | CAS number | EC number | REACH<br>Registration<br>No. | Weight %    | Classification in accordance with Regulation (EC)<br>No 1272/2008(CLP) |                                                                   |                              |
|---------------------|------------|-----------|------------------------------|-------------|------------------------------------------------------------------------|-------------------------------------------------------------------|------------------------------|
|                     |            |           |                              |             | Hazard<br>pictogram                                                    | Hazard<br>category                                                | H-phrase                     |
| Nicotine<br>malate* | 73057-36-0 | 828-491-4 | -                            | 7.74-9.46   | GHS09<br>GHS06<br>Danger                                               | Aquatic Chronic 2<br>Acute Tox. 2<br>Acute Tox. 1<br>Acute Tox. 2 | H411<br>H300<br>H310<br>H330 |
| Fig Ext*            | 90028-74-3 | 289-868-1 | -                            | > 0.1 - < 1 | GHS07<br>Warning                                                       | Skin Sens.1                                                       | H317                         |
| Cinnamon oil*       | 8007-80-5  | 616-916-4 | -                            | > 0.1 - < 1 | GHS07<br>Warning                                                       | Acute Tox. 4<br>Skin Irrit. 2<br>Skin Sens. 1                     | H312<br>H315<br>H317         |

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|                       |            |           |   |       |                  |                                                            |                              |
|-----------------------|------------|-----------|---|-------|------------------|------------------------------------------------------------|------------------------------|
| trans-Cinnamaldehyde* | 14371-10-9 | 604-377-8 | - | < 0.1 | GHS07<br>Warning | Skin Irrit. 2<br>Skin Sens. 1<br>Eye Irrit. 2<br>STOT SE 3 | H315<br>H317<br>H319<br>H335 |
|-----------------------|------------|-----------|---|-------|------------------|------------------------------------------------------------|------------------------------|

\*: Classification given by the manufacturer; the substance is not included in Annex VI to Regulation (EC) No 1272/2008.

Nicotine malate(CAS number: 73057-36-0)

Oral:5 mg/kg bw

Dermal:5 mg/kg

Inhalation:0.5mg/L

It does not contain additional substances considered hazardous to health or the environment, or with PBT, vPvB, or workplace air limit values, substances identified as endocrine disruptors, or substances on the SVHC candidate list; or its concentration does not reach the level specified in the relevant legislation and therefore it is not necessary to indicate it on the safety data sheet.

For the full text of the H-phrases, see Section 16.

#### Section 4: First aid measures

##### 4.1 Description of First Aid Measures

General information: In case of uncertainty or existing symptoms, consult a doctor.

##### Ingestion:

What to do: - Do not induce vomiting

- Rinse the mouth with water.
- It is forbidden to give anything orally to an unconscious person.
- Consult a doctor and show the label or packaging.

##### Inhalation:

What to do: - Take the injured person to fresh air.

- Keep the injured person warm and rest.
- In case of complaint, consult a doctor.

##### Skin contact:

What to do: -Take off contaminated clothing.

- Wash the contaminated skin with water and soap.
- Immediately consult a doctor.

##### Eye contact:

What to do: - Remove contact lenses.

- Wash the contaminated eye with plenty of water for at least 15 minutes.
- Avoid a powerful water stream.
- Consult a doctor if disturbing symptoms occur.

##### 4.2 Most important symptoms and effects, both acute and delayed:

Toxic if swallowed

Fatal in contact with skin

Toxic if inhaled

EUH208- Contains Fig Ext, Cinnamon oil, trans-Cinnamaldehyde. May produce an allergy reaction.

**4.3 Indication of any immediate medical attention and special treatment needed:**

The physician makes a decision regarding further medical treatment after a thorough examination of the injured.

|                                         |
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| <b>Section 5: Firefighting measures</b> |
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**5.1 Extinguishing media**

**5.1.1 Suitable extinguishing media:**

Foam, dry extinguishing agents.

**5.1.2 Unsuitable extinguishing media:**

Water jet, risk of the propagation of the flame.

**5.2 Special hazards arising from the substance or mixture:**

During the fire, dangerous decomposition products may be produced (e.g. carbon monoxide, carbon dioxide, nitrogen oxides, and other unidentified combustion products), the inhalation of which can seriously damage health. Do not inhale combustion products.

**5.3 Advice for firefighters:**

Protective clothing and a breathing apparatus isolated from outside air should be used.

|                                               |
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| <b>Section 6: Accidental release measures</b> |
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**6.1 Personal precautions, protective equipment, and emergency procedures**

**6.1.1. For non-emergency personnel:**

Only trained personnel familiar with the necessary tasks and wearing appropriate personal protective equipment may be present at the accident scene.

Limit the access for outsiders into the breakdown area until suitable cleaning operations are completed.

**6.1.2. For emergency providers:**

In case of a large spill, isolate the area.

Avoid contact with eyes and skin.

Wear appropriate personal protective equipment.

**6.2 Environmental precautions:**

The product that has reached the environment and the generated waste must be treated in accordance with the applicable environmental protection regulation. The product and waste from it must be prevented from entering living water, soil, and public sewers. If an event involving environmental pollution has occurred, the competent authority must be notified immediately.

**6.3 Methods and material for containment and cleaning up**

If a large amount of product is released, appropriate measures must be taken to prevent its spread. The product released in large quantities can be dangerous for the environment.

Place the damaged container in an emergency container.

Collect the spilt mixture mechanically in a properly labelled container for disposal.

Clean up the contaminated area.

#### 6.4 Reference to other sections:

See Sections 8 and 13 for additional and detailed information.

### Section 7: Handling and storage

#### 7.1 Precautions for safe handling:

Standard hygiene procedures must be followed.

The work is carried out in accordance with the industrial safety and hygiene rules in force.

Avoid contact with eyes and skin.

Wash your hands before breaks and after working hours.

All soiled garments must be immediately removed and washed before reuse.

#### Technical measures:

Ensure adequate ventilation. Wear appropriate personal protective equipment.

For information on personal protective equipment, see section 8.

Fire and explosion protection requirements: The product is non-flammable and non-explosive and requires no special measures.

#### 7.2 Conditions for safe storage, including any incompatibilities:

##### Technical measures and storage conditions:

Keep only in original, tightly closed containers in a cool and well-ventilated area.

Keep away from food, beverages, or feed for animals.

Avoid direct exposure to sunlight.

Keep away from strong acids and oxidising agents.

**Packaging materials:** see 10.5. section.

**Requirements for storage rooms and vessels:** no special requirements.

#### 7.3 Specific end use(s):

For heating non-burnable products (HNB - Heat-Not-Burn) as a filler.

### Section 8: Exposure controls/personal protection

#### 8.1 Control parameters

Permissible limits for hazardous substances in the workplace air according to ITM Decree 5/2020 (II.6.) on the protection of the health and safety of workers exposed to chemical agents:

The components of the mixture are not regulated by a limit value according to Regulation 5/2020(II.6.)ITM.

| DNEL values |              | Oral exposure         |                        | Dermal exposure       |                        | Inhalation exposure   |                       |
|-------------|--------------|-----------------------|------------------------|-----------------------|------------------------|-----------------------|-----------------------|
|             |              | Short term<br>(acute) | Long-term<br>(chronic) | Short term<br>(acute) | Long-term<br>(chronic) | Short term<br>(acute) | Short term<br>(acute) |
| Consumers   | local        | no data               | no data                | no data               | no data                | no data               | no data               |
|             | System level | no data               | no data                | no data               | no data                | no data               | no data               |
| Workers     | local        | no data               | no data                | no data               | no data                | no data               | no data               |

|  |              |         |         |         |         |         |         |
|--|--------------|---------|---------|---------|---------|---------|---------|
|  | System level | no data | no data | no data | no data | no data | no data |
|--|--------------|---------|---------|---------|---------|---------|---------|

| PNEC values                  |         |         |
|------------------------------|---------|---------|
| Medium                       | Value   | Comment |
| Freshwater                   | no data | none    |
| Marine water                 | no data | none    |
| Freshwater sediments         | no data | none    |
| Marine sediments             | no data | none    |
| Sewage Treatment Plant (STP) | no data | none    |
| Intermittent release         | no data | none    |
| Secondary poisoning          | no data | none    |
| Soil (agricultural)          | no data | none    |

## 8.2 Exposure controls:

Pursuant to Article 11 (2) of ITM Decree 5/2020 (6.), in the case of dangerous substances not regulated by a limit value, the employer is obliged to reduce the level of exposure to the lowest level that can be expected according to the state of scientific and technical knowledge. At this level, the dangerous substance has no harmful effects on health.

The product is handled in accordance with the industrial safety and hygiene rules in force.

### 8.2.1. Appropriate engineering controls

Adequate care must be taken during work to avoid getting the mixture on the floor, clothing, skin, or eyes.

Ensure adequate exhaust ventilation or other technical solutions to keep atmospheric concentrations of vapours below the limit value.

Provide eyewash and emergency shower stations.

### 8.2.2. Individual protection measures, such as personal protective equipment

The work is carried out in accordance with the industrial safety and hygiene rules in force.

Avoid contact with eyes and skin.

Wash your hands before breaks and after working hours.

#### 1. Eye/face protection:

If there is a risk of contact with the eyes, wear tight-fitting safety glasses that comply with the regulations (MSZ EN ISO 16321-1:2022; EN 166).

#### 2. Skin protection:

**a.** Hand protection: for short contact, use protective gloves made of nitrile rubber (minimum thickness: 0.2 mm; penetration time: > 30 min), conforming with EN 374. For prolonged contact, use protective gloves made of but rubber (minimum thickness: 0,3 mm; penetration time: >480 min), conforming to EN 374. The glove material must be impermeable and resistant to the effects of the product. The choice of glove material should be made, taking into account the permeation time, permeation rate, and degradation. Other: Use protective clothing in accordance with the regulations.

**b.** Other: Use protective clothing in accordance with the regulations.

### 3. Respiratory protection

Applied personal protective equipment must comply with the requirements of the Directive 89/686/EC. The employer is obliged to provide protective equipment relevant to performed activities and in accordance with all quality requirements, including its maintenance and cleaning.

**4. Thermal hazards:** Not known.

#### 8.2.3. Environmental exposure controls

Large amounts of the product must be prevented from entering groundwater, public sewers, sewage, or soil.

The requirements under Section 8 apply to activities carried out under professionally conducted and intended conditions of use under conditions that may be considered normal. Suppose the work is carried out under different conditions or in exceptional circumstances. In that case, it is recommended that an expert be consulted to decide what further action is necessary and what personal protective equipment is required.

## Section9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

| Parameter                                                   | Value / Test method / Comment |
|-------------------------------------------------------------|-------------------------------|
| 1、 Physical state                                           | Solid                         |
| 2、 Colour                                                   | Brown                         |
| 3、 Odour                                                    | characteristic                |
| 4、 Melting point/freezing point                             | no data*                      |
| 5、 Boiling point or initial boiling point and boiling range | no data*                      |
| 6、 Flammability                                             | Not quite flammable           |
| 7、 Lower and upper explosion limit                          | no data*                      |
| 8、 Flash point                                              | no data*                      |
| 9、 Auto-ignition temperature                                | not self-igniting.            |
| 10、 Decomposition temperature                               | no data*                      |
| 11、 pH                                                      | no data*                      |
| 12、 Kinematic viscosity                                     | no data*                      |
| 13、 Solubility                                              | no data*                      |
| 14、 Partition coefficient n-octanol/water (log value)       | no data*                      |
| 15、 Vapour pressure                                         | no data*                      |
| 16、 Density and/or relative density                         | no data*                      |
| 17、 Relative vapour density                                 | no data*                      |
| 18、 Particle characteristics                                | no data*                      |

### 9.2 Other information

#### 9.2.1. Information about physical hazard classes

**Explosion hazard:** the product is not explosive.

**Oxidising properties:** the product has no oxidising properties.

#### 9.2.2. Other safety characteristics

No other information is available.

\*: The manufacturer did not perform tests for this parameter about the product, the tests' results are not available when the data sheet is issued, or they are not applicable to the given product.

#### Section10: Stability and reactivity

**10.1 Reactivity:** The product is feebly reactive. The product does not undergo a dangerous polymerisation. See also 10.4-10.5

**10.2 Chemical stability:**

The product is stable under normal storage and use conditions

**10.3 Possibility of hazardous reactions:**

No dangerous reactions are known. See also 10.5

**10.4 Conditions to avoid:** Avoid direct exposure to sunlight.

**10.5 Incompatible materials:** Strong oxidising agents and acids.

**10.6 Hazardous decomposition products:**

No hazardous decomposition products are known.

#### Section11:Toxicological information

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

**Acute toxicity:** Toxic if swallowed; Fatal in contact with skin; Toxic if inhaled

**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 sensitization:** 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.

**11.1.1. Summary of the results of clinical trials:** No data available.

**11.1.2. Relevant toxicological data:**

**Data on the product:**

Acute toxicity:

ATE mix ( Oral): 52.84 mg/kg (Acute Tox.3 - H301)

ATE mix (Dermal): 52.84 mg/kg ( Acute Tox.2 - H310 )

ATE mix (Inhalation): 5.285 mg/L(Acute Tox.3 - H331)

**Data on ingredients:**

Acute toxicity:

Nicotine malate(CAS number:73057-36-0)

Oral :ATE = 5 mg/kg bw

Dermal :ATE = 5mg/kg

Inhalation:ATE = 0.5mg/L

#### **11.1.3.Information on likely routes of exposure**

Ingestion, inhalation, skin contact, eye contact.

#### **11.1.4. Symptoms related to the physical, chemical and toxicological characteristics**

The product may cause eye and skin irritation.

#### **11.1.5. Delayed and immediate effects as well as chronic effects from short and long-term exposure.**

Toxic if swallowed

Fatal in contact with skin

Toxic if inhaled

EUH208- Contains Fig Ext, Cinnamon oil, trans-Cinnamaldehyde. May produce an allergy reaction.

#### **11.1.6. Interactive effects**

No data are available.

#### **11.1.7. Absence of specific data**

No information.

### **11.2 Information on other hazards**

#### **11.2.1. Endocrine disrupting properties**

According to the criteria defined in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605, the mixture does not contain substances with endocrine disrupting properties.

#### **11.2.2. Other information**

No data are available.

## **Section12:Ecological information**

### **12.1 Toxicity:**

According to Regulation (EC) No 1272/2008, this product meets the criteria of classification of environmental toxicity Aquatic Chronic 3.

### **12.2 Persistence and degradability:**

No data is available for the product.

#### **Information on ingredients:**

Propylene Glycol (CAS number: 57-55-6):

OECD Guideline 301F

Biodegradation in soil

81% biodegradation

High concentrations of propylene glycol released into a soil environment can be expected to biodegrade.

Phototransformation in water

DT50 = 1.3 year

Glycerol (CAS number: 56-81-5):

Biodegradation in water

Readily biodegradable

### **12.3 Bioaccumulative potential:**

No data is available for the product.

**Information on ingredients:**

Propylene Glycol (CAS number: 57-55-6):

BCF 0.09

Glycerol (CAS number: 56-81-5):

Log Pow -1.75 (pH=7.4, 25 °C)

**12.4 Mobility in soil:**

No data is available for the product.

**Information on ingredients:**

Propylene Glycol (CAS number: 57-55-6):

Koc 2.9 (calculated from log Pow = -1.07  
using the equation from the TGD  
(non-hydrophobics)

Henry's Law constant 0.06 atm m<sup>3</sup> /mol (12 °C)

Glycerol (CAS number: 56-81-5):

Henry's Law Constant (H): 0 atm m<sup>3</sup> /mol

**12.5 Results of PBT and vPvB assessment**

The mixture does not contain any ingredient that is persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) according to Annex XIII of Regulation (EC) No 1907/2006.

**12.6 Endocrine disrupting properties**

According to the criteria defined in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605, the mixture does not contain substances with endocrine disrupting properties.

**12.7 Other adverse effects:**

The mixture is not classified as hazardous to the ozone layer.

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| <b>Section13:Disposal considerations</b> |
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**13.1 Waste Treatment Methods**

Treatment and disposal of product residues in accordance with Act CLXXXV of 2012, Government Decree 225/2015 (VIII. 7.) and WM Decree 72/2013( VII. 27.)

**13.1.1. Product disposal information:**

Dispose of in accordance with the relevant local regulations. Do not discharge into drains.

**Waste Catalogue Code:**

A suitable waste list code cannot be entered for the product, as it can be identified using the method of use defined by the user. The waste register code can be entered within the Community after consultation with the disposal specialist.

**13.1.2. Packaging disposal information:**

Empty containers should be reused/recycled/disposed of in accordance with the relevant local regulations.

**13.1.3. Physical/chemical properties that may affect waste treatment options:**

They are not known.

**13.1.4. Instructions for wastewater treatment:**

They are not known.

**13.1.5. Possible special precautions related to waste treatment methods:**

No data are available.

|                                         |
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| <b>Section14: Transport information</b> |
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**ADR/RID; ADN; IMDG; IATA:**

Not covered by the Dangerous Goods Transport Conventions.

**14.1. UN number or ID number**

None.

**14.2. UN proper shipping name**

None.

**14.3. Transport hazard class(es)**

None.

**14.5. Environmental hazards**

No relevant information.

**14.6. Special precautions for user**

No relevant information.

**14.7. Maritime transport in bulk according to IMO instruments**

Not applicable.

|                                          |
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| <b>Section15: Regulatory information</b> |
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**15.1 Safety, health and environmental regulations/legislation specific to the substance or mixture:**

**1. REACH international regulation:**

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

**2. CLP international regulation:**

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 (Text with EEA relevance).

**3. Commission Regulation (EU) No 878/2020 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) (Text with EEA relevance)**

**4. Domestic regulations related to hazardous substances:**

Act XXV of 2000 on Chemical Safety and its amendments Decree No 44/2000 XII. 27.) of the Ministry of Economic Affairs and Labour on the detailed rules of specific

procedures and activities related to dangerous substances and dangerous preparations and its amendments.

**5. Domestic regulations on waste:**

Act CLXXV of 2012 on Waste 225/2015 (VIII. 7.) Government Decree on the detailed rules for certain activities related to hazardous waste 72/2013 (VIII. 27.) VM Decree on the list of waste and its amendments.

**6. Domestic decrees related to water pollution:**

Government Decree 220/2004 (VII. 21) and its amendments.

**7. Domestic regulations on occupational health and safety:**

XCIII of 1993 Occupational Safety and Health Act, its amendments and relevant NM, MmM decrees.

**8. Regulations on workplace air and biological limit values:**

5/2020. (II. 6.) ITM decree on protecting the health and safety of workers exposed to chemical pathogenic factors.

The mixture does not contain any substances that are on the list of candidates for authorisation of substances of very high concern (SVHC) according to Regulation (EC) No. 1907/2006 (REACH).

**15.2 Chemical safety assessment:**

A Chemical Safety Assessment is not required for mixtures in accordance with REACH Regulations.

|                                      |
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| <b>Section 16: Other information</b> |
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**Data related to the revision of the safety data sheet:**

The Safety Data Sheet has been revised in accordance with Regulation (EU) 2020/878 (sections 1-16).

This safety data sheet complies with regulation 1907/2006/EC II. this version replaces all previous versions.

**Key literature references and sources for data:**

This SDS was prepared on the basis of sheets of the individual components, literature data, online databases (eg. ECHA) as well as our knowledge and experience, taking into account current legislation.

**Methods used for classification according to Regulation (EC) 1272/2008:**

| Classification                                             | Method                                          |
|------------------------------------------------------------|-------------------------------------------------|
| Acute toxicity (oral)<br>hazard category 3 -H301           | Based on the calculation procedure (see ATEmix) |
| Acute toxicity (dermal)<br>hazard category 2 -H310         | Based on the calculation procedure (see ATEmix) |
| Acute toxicity (inhalation)<br>hazard category 3 -H331     | Based on the calculation procedure (see ATEmix) |
| Aquatic Chronic (environment),<br>hazard category 3 – H412 | Based on the calculation procedure              |

**Full text if indicated H phrases mentioned in section 2,3:**

H300: Fatal if swallowed  
H310: Fatal in contact with skin  
H312: Harmful in contact with skin.  
H315: Causes skin irritation  
H317: May cause an allergic skin reaction  
H319: Causes serious eye irritation  
H330: Fatal if inhaled  
H335: May cause respiratory irritation  
H411: Toxic to aquatic life with long lasting effects  
EUH208- EUH208- Contains Fig Ext, Cinnamon oil, trans-Cinnamaldehyde. May produce an allergy reaction.

**The full text of the abbreviations appearing in the safety data sheet:**

ADN: European Agreement on the International Carriage of Dangerous Goods by Inland Waterway.

ADR: Agreement on the International Carriage of Dangerous Goods by Road.

ATE: Acute toxicity value.

AOX: Adsorbable organic halogen

AC value: Allowed average concentration.

BCF: Bioconcentration factor.

BOI: Biochemical oxygen demand

CAS number: Chemical Abstract Service number

CK value: Permissible peak concentration (maximum permissible air pollution for a short period of time)

CLP: Regulation 1272/2008/EC on classification, labelling and packaging of substances and mixtures.

CMR effects: Carcinogenic, mutagenic or reproductive effects.

CSA: Chemical Safety Assessment.

CSR: Chemical Safety Report.

DNEL: Derived No Effect Level.

ECHA: European Chemicals Agency.

EC: European Community.

EC number: EINECS and ELINCS number (see also EINECS and ELINCS).

EEC: European Economic Community.

EEA: European Economic Area (EU + Iceland, Liechtenstein and Norway).

EINECS: European Inventory of Existing Commercial Chemical Substances.

ELINCS: European Register of Registered Chemical Substances.

EN: European standard.

UN: United Nations Organization.

EU: European Union.

EUPCS: Union Product Classification System.

EWG: European Waste Catalog (replaced by LoW - see below).

GHS: Globally Harmonized System of Classification and Labeling of Chemical Substances.

IATA: International Air Transport Association.

ICAO -TI: Technical instructions issued for safely transporting dangerous goods by aircraft.

IMDG: International Regulations for the Transport of Dangerous Goods by Sea.

IMO: International Maritime Organization.

IMSBC: International Maritime Solid Bulk Cargoes.

IUCLID: Unified International Chemical Information Database.

IUPAC: International Union of Theoretical and Applied Chemistry.

COD: Chemical oxygen demand.

KOW: n-octanol/water partition coefficient.

LC50: Lethal concentration for 50 % of the tested population.

LD50: Lethal dose for 50% of the tested population (medium lethal dose).

LOW: List of waste.

LOEC: The lowest concentration at which an effect can already be observed.

LOEL: The lowest dose at which an effect can already be observed.

MK value: Maximum concentration.

NOEC: The highest concentration at which there is no observable effect.

NOEL: The highest dose at which there is no observable effect.

NOAEC: The highest concentration that does not yet cause an observable adverse effect.

NOAEL: The highest dose that does not yet cause an observable adverse effect.

OECD: Organization for Economic Co-operation and Development.

OSHA: European Agency for Safety and Health at Work.

PBT: Persistent, bioaccumulative and toxic

PNEC: Estimated No Effect Concentration.

QSAR: Quantitative relationship between molecular structure and biological effect.

REACH: Regulation 1907/2006/EC on the Registration, Evaluation, Authorization and Restriction of Chemical Substances.

RID: Regulation on the International Carriage of Dangerous Goods by Rail.

SCBA: Self-contained breathing apparatus.

SDS: Safety Data Sheet.

STOT: Target organ toxicity.

SVHC: Substances of very special concern

UVCB: substances of unknown structure or variable composition formed in a complex reaction or of biological origin.

VOC: Volatile organic compound.

vPvB: Very persistent and very bioaccumulative.

#### **DISCLAIMER OF LIABILITY**

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