REGULATION (EC) No 1223/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL
Issue date(DD/MM/YEAR): 27/10/2021 Revision date: 18/02/2025 Supersedes version of: 31/12/2024

Version: 3.0

### **DECLARATION OF COMPLIANCE FOR PERFUME COMPOUNDS (DCP)**

The adoption of the 7th amendement of the European Cosmetic Directive 76/768/EEC requires any cosmetic product containing any of 26 raw materials identified by the Scientific Committee on Cosmetic Products and Non-Food Products intended for Consumers as likely to cause a contact allergy when present above certain trigger levels to be declared on the package label.

ALLERGENS			
Name of common ingredients glossary	CAS-No.	Allergen % in product	
Linalool	78-70-6	3.9984639	
d-Limonene	5989-27-5	0.004	
Benzyl benzoate	120-51-4	0.054711632	
.alphaHexyl cinnamic aldehyde	101-86-0	0.00383808	
Coumarin	91-64-5	0.3998	
Eugenol	97-53-0	0.2462792	
Isoeugenol	97-54-1	0.0000048	
Citral	5392-40-5	0.08	
Geraniol	106-24-1	0.007	
Benzyl salicylate	118-58-1	1.7991068	
Cinnamic aldehyde; Cinnamal	104-55-2	3.998	
Benzyl alcohol	100-51-6	3.6482432	

# CERTIFICATE OF CONFORMITY OF FRAGRANCE MIXTURES WITH IFRA STANDARDS

This certificate assesses the conformity of the fragrance mixture with IFRA Standards and provides restrictions for use as necessary. It is based only on those materials subject to IFRA Standards for the toxicity endpoint(s) described in each Standard.

This Certificate does therefore not replace a comprehensive safety assessment of the fragrance mixture.

#### **CERTIFICATE DELIVERED TO:**

**SCOPE OF THE CERTIFICATE:** 

Product: GINGERBREAD CARAMEL MOUSSE #EU46266F

### **Compulsory information:**

We certify that the above mixture is in compliance with the Standards of the INTERNATIONAL FRAGRANCE ASSOCIATION (IFRA), up to and including the 51 Amendment to the IFRA Code of Practice (published June, 2023) provided it is used in the following class(es) at a maximum concentration level of:

IFRA Category(ies) [see Table 10 in Guidance for the use of IFRA Standards for details]	Level of use (%)*	Product application
Category 1	0 %	Lip Products of all types (solid and liquid lipsticks, balms, clear or colored, etc.) Children's toys
Category 2	0.35017509%	Deodorant and antiperspirant products of all types including any product with intended or reasonably foreseeable use on the axillae or labelled as such (spray, stick, roll-on, under-arm, deocologne, etc.) Body sprays (including body mist)
Category 3	0.52526263 %	Eye products of all types (eye shadow, mascara, eyeliner, eye make-up, eye masks, eye pillows, etc.) including eye care and moisturizer Facial make up and foundation Make-up remover for face and eyes Nose pore strips Wipes or refreshing tissues for face, neck, hands, body

		Body and face paint (for children and adults) Facial masks for face and around the eyes
Category 4	6.25312656 %	Hydroalcoholic and non-hydroalcoholic fine fragrance of all types (Eau de Toilette, Parfum, Cologne, solid perfume, fragrancing cream, etc.), aftershaves of all types (except creams and balms) Fragranced bracelets Ingredients of perfume kits and fragrance mixtures for cosmetic kits Scent pads, foil packs Scent strips for hydroalcoholic products
Category 5A	1.6008004 %	Body creams, oils, lotions of all types Foot care products (creams and powders) Insect repellent (intended to be applied to the skin) All powders and talc (excluding baby powders and talc)
Category 5B	1.05052526 %	Facial toner Facial moisturizers and creams (including care products for beard and mustache)
Category 5C	1.6008004 %	Hand cream Nail care products including cuticle creams, nail lacquer remover, etc. Hand sanitizers
Category 5D	0.35017509 %	Baby cream/lotion, baby oil, baby powders and talc
Category 6	0 %	Toothpaste Mouthwash, including breath sprays Toothpowder, strips, mouthwash tablets
Category 7A	4.0019438 %	Hair permanent or other hair chemical treatments (rinse-off) (e.g. relaxers), including rinse-off hair dyes
Category 7B	4.0019438 %	Hair sprays of all types (pumps, aerosol sprays, etc.) Hair styling aids non sprays (mousse, gels, leave- on conditioners) Hair permanent or other hair chemical treatments (leave-on) (e.g. relaxers), including leave-on hair dyes Shampoo - Dry (waterless shampoo) Hair deodorizer, hair perfume*
Category 8	0.35017509 %	Intimate wipes Intimate deodorant spray Tampons Baby wipes Toilet paper (wet)
Category 9	12.0058314 %	Bar soap Shampoo of all type Cleanser for face (rinse-off) Conditioner (rinse-off) Liquid soap Body washes and shower gels of all types Baby wash, bath, shampoo Bath gels, foams, mousses, salts, oils and other products

		added to bathwater (such as bath bombs) Foot care products (feet are placed in a bath for soaking) Shaving creams of all types (stick, gels, foams, etc.) All depilatories (including facial) and waxes for mechanical hair removal Shampoos for pets
Category 10A	5.43120944 %	Hand wash laundry detergent (including concentrates) Laundry pre-treatment of all types (e.g.paste, sprays, sticks) Hand dishwashing detergent (including concentrates) Hard surface cleaners of all types (bathroom and kitchen cleansers,furniture polish, etc.) Machine laundry detergents with skin contact (e.g. liquids, powders) including concentrates Toilet seat wipes Fabric softeners of all types excluding fabric softener sheets Household cleaning products, other types including fabric cleaners, soft surface cleaners, carpet cleaners, furniture polishes sprays and wipes, leather cleaning wipes, stain removers, fabric enhancing sprays, treatment products for textiles (e.g. starch sprays, fabric treated with fragrances after wash, deodorizers for textiles or fabrics) Floor wax Fragranced oil for lamp ring, reed diffusers, pot-pourri, liquid refills for air fresheners (non-cartridge systems), etc. Ironing water (Odorized distilled water) Dry cleaning kits (involving manual application on the textile)
Category 10B	31.44384415 %	Animal sprays – sprays applied to animals of all types Air freshener sprays, manual, including aerosol and pump Aerosol/spray insecticides
Category 11A	0.35017509 %	Feminine hygiene conventional pads,liners, interlabial pads Baby diapers Incontinence pant, pad Toilet paper (dry)
Category 11B	0.35017509 %	Tights with moisturizers Scented socks, gloves Facial tissues (dry tissues) Napkins Pillow spray Paper towels Wheat bags Facial masks (paper/protective) e.g.surgical masks not used as medical device Fertilizers, solid (pellet or powder)
Category 12	100 %	Candles of all types (including encased) Laundry detergents for machine wash with minimal skin contact (e.g. Liquid tabs, pods)

Automated air fresheners and fragrancing of all types (concentrated aerosol with metered doses (range 0.05-0.5mL/spray), plug-ins, closed systems, solid substrate, membrane delivery, electrical, powders, fragrancing sachets, incense, liquid refills (cartridge), air freshening crystals, solid non aerosol car diffuser)

Air delivery systems

Cat litter

Cell phone cases

Deodorizers/maskers not intended for skin contact (e.g. fabric drying machine deodorizers, carpet powders)

Dry cleaning kits (placed in the dryer)

Dryer sheets and fabric softener sheets

**Fuels** 

Insecticides (e.g. mosquito coil, paper, electrical, for clothing) excluding aerosols/sprays

Joss sticks or incense sticks

Dishwash detergent and deodorizers – for machine wash

Olfactive board games

**Paints** 

Plastic articles (excluding toys)

Scratch and sniff

Scent pack

Scent delivery system (using dry air technology)

Shoe polishes

Rim blocks (toilet)

Toilet gel

Scent beads

Information about presence and concentration of fragrance ingredients subject to IFRA Standards in the fragrance mixture (GINGERBREAD CARAMEL MOUSSE #EU46266F) is as follows:

Materials under the scope of IFRA Standards	CAS-No.	Recommendat ion from IFRA Standard:	Concentration (%) in fragrance mixture or finished product	Comment
2-Hexenal	6728-26-3 505-57-7 16635-54-4	Restricted	0.00195902	
Isoeugenol	97-54-1 5932-68-3	Restricted	0.0000048	
Citral	106-26-3 141-27-5 5392-40-5	Restricted	0.08	
Dimethylcyclohex-3-ene-1-carbaldehyde (mixed isomers)	27939-60-2 35145-02-9 36635-35-5 67801-65-4 68039-48-5 68039-49-6 68084-52-6	Restricted	0.100191904	

<sup>\*</sup>Actual use level or maximum use level

	68737-61-1		
Jasmine absolute (grandiflorum)	8022-96-6 8024-43-9 84776-64-7 90045-94-6	Restricted	0.004
p-Cresol	106-44-5 1319-77-3	Restricted	0.0000236
Benzyl alcohol	100-51-6	Restricted	3.6482432
Benzaldehyde	100-52-7	Restricted	0.3998
alpha-Hexyl cinnamic aldehyde	101-86-0	Restricted	0.00383808
Cinnamic aldehyde	104-55-2	Restricted	3.998
Geraniol	106-24-1	Restricted	0.007
Methyl octine carbonate	111-80-8	Restricted	0.025
Benzyl salicylate	118-58-1	Restricted	1.7991068
Benzyl benzoate	120-51-4	Restricted	0.054711632
Coumarin	91-64-5	Restricted	0.3998
Methyl eugenol	93-15-2	Restricted	0.0002999
Eugenol	97-53-0	Restricted	0.2462792
p-Methoxybenzaldehyde	123-11-5	Restricted	3.4983
4-Hydroxy-2,5-dimethyl-3(2H)-furanone	3658-77-3	Restricted	0.2798
4-(4-Hydroxyphenyl)butan-2-one	5471-51-2	Restricted	0.3998
Limonene	138-86-3 7705-14-8 5989-27-5 5989-54-8	Specification	0.004
Linalool	126-90-9 126-91-0 78-70-6	Specification	3.9984639

# Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 10/27/2021 Revision date: 2/18/2025 Supersedes version of: 12/31/2024 Version: 3.0

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

#### 1.1. Product identifier

Product form : Mixture

Trade name : GINGERBREAD CARAMEL MOUSSE #EU46266F

UFI : T544-24QX-A00S-86GT

Product code : EU46266F

Type of product : Perfumes, fragrances
Product group : Trade product

#### 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, Professional use

Industrial/Professional use spec : Industrial

For professional use only
: Perfumes, fragrances

Use of the substance/mixture : Perfumes, frag Function or use category : Odour agents

#### 1.2.2. Uses advised against

No additional information available

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

#### 1.4. Emergency telephone number

Emergency number

#### **SECTION 2: Hazards identification**

#### 2.1. Classification of the substance or mixture

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

Skin corrosion/irritation, Category 2 H315
Serious eye damage/eye irritation, Category 2 H319
Skin sensitisation, Category 1 H317
Hazardous to the aquatic environment – Chronic Hazard, H412

Category 3

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

#### Adverse physicochemical, human health and environmental effects

Harmful if swallowed. Causes skin irritation. Causes serious eye irritation. Harmful to aquatic life with long lasting effects. May cause an allergic skin reaction.

# 2.2. Label elements

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

Hazard pictograms (CLP)



2/18/2025 (Revision date) EN (English) 1/26

# Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Signal word (CLP) : Warning

Contains : Cinnamic aldehyde; Linalool; benzyl alcohol; Benzyl salicylate; Acetyl Propionyl;

COUMARIN; Clove bud oil (Eugenia spp.); 3(2H)-Furanone, 4-hydroxy-2,5-dimethyl-; Triplal

(Vertocitral); Cedryl acetate; Aldehyde C-16; Lemongrass oil

Hazard statements (CLP) : H315 - Causes skin irritation.

H317 - May cause an allergic skin reaction. H319 - Causes serious eye irritation.

H412 - Harmful to aquatic life with long lasting effects.

: P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.

Precautionary statements (CLP) : P261 - Avoid breathing dust/fume/gas/mist/vapours/spray

P264 - Wash hands, forearms and face thoroughly after handling.

P272 - Contaminated work clothing should not be allowed out of the workplace.

P273 - Avoid release to the environment.

P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing

protection.

P302+P352 - IF ON SKIN: Wash with plenty of water.

Extra phrases : For professional users only.

#### 2.3. Other hazards

Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

# **SECTION 3: Composition/information on ingredients**

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Bis(2-ethylhexyl) adipate substance with national workplace exposure limit(s) (PL)	CAS-No.: 103-23-1 EC-No.: 203-090-1 REACH-no: 01-2119439699- 19	10 – 19.9901	Aquatic Acute 1, H400
Cinnamic aldehyde	CAS-No.: 104-55-2 EC-No.: 203-213-9 EC Index-No.: 606-155-00-6 REACH-no: 01-2119935242- 45	2 – 3.998	Acute Tox. 4 (Dermal), H312 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1A, H317 Aquatic Chronic 3, H412
Linalool	CAS-No.: 78-70-6 EC-No.: 201-134-4 EC Index-No.: 603-235-00-2 REACH-no: 01-2119474016- 42	2 – 3.998	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317
benzyl alcohol substance with national workplace exposure limit(s) (BG, CZ, DE, FI, LT, LV, PL, SI, CH)	CAS-No.: 100-51-6 EC-No.: 202-859-9 EC Index-No.: 603-057-00-5 REACH-no: 01-2119492630-38	1.8 – 3.6482	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317
Anisic aldehyde	CAS-No.: 123-11-5 EC-No.: 204-602-6 REACH-no: 01-2119977101- 43	1.7 – 3.4983	Aquatic Chronic 3, H412

# Safety Data Sheet

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Vanillin	CAS-No.: 121-33-5 EC-No.: 204-465-2 REACH-no: 01-2119516040- 60	1.50055 – 3.00045902	Eye Irrit. 2, H319
Ethyl maltol	CAS-No.: 4940-11-8 EC-No.: 225-582-5	1.20055 – 2.40075902	Acute Tox. 4 (Oral), H302
Ethyl isovalerate	CAS-No.: 108-64-5 EC-No.: 203-602-3	0.9 – 1.7991	Flam. Liq. 3, H226 Skin Irrit. 2, H315
Benzyl salicylate	CAS-No.: 118-58-1 EC-No.: 204-262-9 EC Index-No.: 607-754-00-5 REACH-no: 01-2119969442- 31	0.9 – 1.7991	Eye Irrit. 2, H319 Skin Sens. 1B, H317 Aquatic Chronic 3, H412
1,2-Propanediol substance with national workplace exposure limit(s) (GB, HR, IE, LT, LV, PL, NO)	CAS-No.: 57-55-6 EC-No.: 200-338-0 REACH-no: 01-2119456809- 23	0.6 – 1.1192	Not classified
Acetyl Propionyl substance with national workplace exposure limit(s) (DE, SI, CH)	CAS-No.: 600-14-6 EC-No.: 209-984-8	0.2 – 0.4998	Flam. Liq. 2, H225 Eye Dam. 1, H318 Skin Sens. 1B, H317 STOT RE 2, H373
COUMARIN	CAS-No.: 91-64-5 EC-No.: 202-086-7 REACH-no: 01-2119943756- 26	0.2 – 0.3998	Acute Tox. 4 (Oral), H302 Skin Sens. 1B, H317
benzaldehyde substance with national workplace exposure limit(s) (BG, FI, HU, LT, LV, PL)	CAS-No.: 100-52-7 EC-No.: 202-860-4 EC Index-No.: 605-012-00-5 REACH-no: 01-2119455540-	0.2 – 0.3998	Acute Tox. 4 (Oral), H302
Clove bud oil (Eugenia spp.)	CAS-No.: 84961-50-2 EC-No.: 284-638-7	0.1 – 0.2999	Eye Irrit. 2, H319 Skin Sens. 1B, H317
3(2H)-Furanone, 4-hydroxy-2,5-dimethyl-	CAS-No.: 3658-77-3 EC-No.: 222-908-8	0.1 – 0.2798	Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Eye Irrit. 2, H319 Skin Sens. 1A, H317
Cedryl acetate	CAS-No.: 77-54-3 EC-No.: 201-036-1	0.1 – 0.1999	Aquatic Acute 1, H400 Aquatic Chronic 1, H410 Skin Sens. 1B, H317
Aldehyde C-16	CAS-No.: 77-83-8 EC-No.: 201-061-8 REACH-no: 01-2119967770- 28	0.1 – 0.1499	Skin Sens. 1B, H317 Aquatic Chronic 2, H411
Triplal (Vertocitral)	CAS-No.: 68039-49-6 EC-No.: 268-264-1	0.100062 – 0.100191904	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Chronic 3, H412
Lemongrass oil	CAS-No.: 8007-02-1 EC-No.: 616-903-3	0.1 – 0.1	Aquatic Chronic 3, H412 Eye Dam. 1, H318 Skin Irrit. 2, H315 Skin Sens. 1B, H317

# Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
butyric acid substance with national workplace exposure limit(s) (BG, LT, LV, RO)	CAS-No.: 107-92-6 EC-No.: 203-532-3 EC Index-No.: 607-135-00-X	0 – 0.08	Skin Corr. 1B, H314
hexan-1-ol substance with national workplace exposure limit(s) (DE, RO, SI)	CAS-No.: 111-27-3 EC-No.: 203-852-3 EC Index-No.: 603-059-00-6 REACH-no: 01-2119487967- 12	0.00212 – 0.009011492	Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Eye Irrit. 2, H319
propionic acid % substance with national workplace exposure limit(s) (AT, BE, BG, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GI, GR, HR, HU, IE, IT, LT, LU, LV, MT, NL, PL, PT, RO, SE, SI, SK, NO, CH, TR); substance with a Community workplace exposure limit	CAS-No.: 79-09-4 EC-No.: 201-176-3 EC Index-No.: 607-089-00-0	0 – 0.008	Flam. Liq. 3, H226 Skin Corr. 1B, H314 STOT SE 3, H335

Specific concentration limits:			
Name	Product identifier	Specific concentration limits (%)	
propionic acid %	CAS-No.: 79-09-4 EC-No.: 201-176-3 EC Index-No.: 607-089-00-0	$(10 \le C < 100)$ STOT SE 3, H335 $(10 \le C < 25)$ Eye Irrit. 2, H319 $(10 \le C < 25)$ Skin Irrit. 2, H315 $(25 \le C < 100)$ Skin Corr. 1B, H314	

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

### **SECTION 4: First aid measures**

### 4.1. Description of first aid measures

First-aid measures general : If you feel unwell, seek medical advice (show the label where possible). Never give anything

by mouth to an unconscious person.

First-aid measures after inhalation : Allow the victim to rest. Allow affected person to breathe fresh air.

First-aid measures after skin contact : If skin irritation occurs: Get medical advice/attention. Wash with plenty of water/.... Wash

contaminated clothing before reuse. Get medical advice/attention. Specific treatment (see supplemental first aid instruction on this label). If skin irritation or rash occurs:

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy

to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : Obtain emergency medical attention. Rinse mouth. Do NOT induce vomiting.

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

Symptoms/effects after inhalation : May cause an allergic skin reaction.

Symptoms/effects after skin contact : Irritation. May cause an allergic skin reaction. Causes skin irritation.

Symptoms/effects after eye contact : Eye irritation. Causes serious eye irritation.

# 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 : Sand. Foam. Dry powder. Carbon dioxide. Water spray.

Unsuitable extinguishing media : Do not use a heavy water stream.

# Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

#### 5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Toxic fumes may be released.

#### 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 the 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

Notify authorities if liquid enters sewers or public waters. Prevent entry to sewers and public waters. Avoid release to the environment.

#### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Store away from other materials. Soak up spills with inert solids, such as clay or

diatomaceous earth as soon as possible. Collect spillage.

Other information : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

Exposure controls and personal protection. See Section 8.

### **SECTION 7: Handling and storage**

#### 7.1. Precautions for safe handling

Precautions for safe handling : Provide good ventilation in process area to prevent formation of vapour. Wash hands and

other exposed areas with mild soap and water before eating, drinking or smoking and when

leaving work. Avoid breathing dust/fume/gas/mist/vapours/spray.

Hygiene measures : Wash contaminated clothing before reuse. Contaminated work clothing should not be

allowed out of the workplace. Do not eat, drink or smoke when using this product. Always

wash hands after handling the product. Wash hands thoroughly after handling.

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

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

ventilated place away from :

Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

Storage temperature : 25 °C

Storage area : Store away from heat.

Special rules on packaging : Store in a closed container.

Packaging materials : Do not store in corrodable metal.

**Switzerland** 

Storage class (LK) : LK 10/12 - Liquids

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

No additional information available

2/18/2025 (Revision date) EN (English) 5/26

# Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

# SECTION 8: Exposure controls/personal protection

# 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

Bis(2-ethylhexyl) adipate (103-23-1)				
Poland - Occupational Exposure Limits				
NDS (OEL TWA)	400 mg/m³			
benzyl alcohol (100-51-6)				
Bulgaria - Occupational Exposure Limits				
OEL TWA	5 mg/m³			
Czech Republic - Occupational Exposure Limits				
PEL (OEL TWA)	40 mg/m³			
Finland - Occupational Exposure Limits				
HTP (OEL TWA)	45 mg/m³			
	10 ppm			
Germany - Occupational Exposure Limits (TRGS 90	0)			
AGW (OEL TWA)	22 mg/m³ (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)			
	5 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)			
Chemical category	Skin notation			
Latvia - Occupational Exposure Limits				
OEL TWA	5 mg/m³			
Lithuania - Occupational Exposure Limits				
IPRV (OEL TWA)	5 mg/m³			
OEL chemical category	Skin notation			
Poland - Occupational Exposure Limits				
NDS (OEL TWA)	240 mg/m³			
Slovenia - Occupational Exposure Limits				
OEL TWA	22 mg/m³			
	5 ppm			
OEL STEL	44 mg/m³			
	10 ppm			
OEL chemical category	Potential for cutaneous absorption			
Switzerland - Occupational Exposure Limits				
MAK (OEL TWA)	22 mg/m³ (aerosol, vapour)			
	5 ppm (aerosol, vapour)			
OEL chemical category	Skin notation			

# Safety Data Sheet

1,2-Propanediol (57-55-6)		
Croatia - Occupational Exposure Limits		
GVI (OEL TWA)	474 mg/m³ (total vapor and particles) 10 mg/m³ (particles)	
	150 ppm	
Ireland - Occupational Exposure Limits		
OEL TWA	10 mg/m³ (particulates) 470 mg/m³ (total vapour and particulates)	
	150 ppm (total vapour and particulates)	
OEL STEL	1410 mg/m³ (calculated-particulates) 30 mg/m³ (calculated)	
	450 ppm (calculated-total vapour and particulates)	
Latvia - Occupational Exposure Limits		
OEL TWA	7 mg/m³	
Lithuania - Occupational Exposure Limits		
IPRV (OEL TWA)	7 mg/m³	
Poland - Occupational Exposure Limits		
NDS (OEL TWA)	100 mg/m³ (vapor and inhalable fraction)	
United Kingdom - Occupational Exposure Limits		
WEL TWA (OEL TWA)	474 mg/m³ (total vapour and particulates) 10 mg/m³ (particulates)	
	150 ppm (total vapour and particulates)	
WEL STEL (OEL STEL)	1422 mg/m³ (calculated-total vapour and particulates) 30 mg/m³ (calculated-particulate)	
	450 ppm (calculated-total vapour and particulates)	
Norway - Occupational Exposure Limits		
Grenseverdi (OEL TWA)	79 mg/m³	
	25 ppm	
Korttidsverdi (OEL STEL)	118.5 mg/m³ (value calculated)	
	37.5 ppm (value calculated)	
Acetyl Propionyl (600-14-6)		
Germany - Occupational Exposure Limits (TRGS	3 900)	
AGW (OEL TWA)	0.083 mg/m³	
	0.02 ppm	
Chemical category	Skin notation, Skin sensitization	
Slovenia - Occupational Exposure Limits	<del>- '</del>	
OEL TWA	0.083 mg/m³	
	0.02 ppm	
OEL STEL	0.083 mg/m³	
	0.02 ppm	

# Safety Data Sheet

Acetyl Propionyl (600-14-6)		
Switzerland - Occupational Exposure Limits		
MAK (OEL TWA)	0.08 mg/m³	
	0.02 ppm	
KZGW (OEL STEL)	0.16 mg/m³	
	0.04 ppm	
OEL chemical category	Sensitizer, Skin notation	
benzaldehyde (100-52-7)		
Bulgaria - Occupational Exposure Limits		
OEL TWA	5 mg/m³	
Finland - Occupational Exposure Limits		
HTP (OEL TWA)	4.4 mg/m³	
	1 ppm	
HTP (OEL C)	17.4 mg/m³	
	4 ppm	
Hungary - Occupational Exposure Limits		
AK (OEL TWA)	5 mg/m³	
CK (OEL STEL)	10 mg/m³	
Latvia - Occupational Exposure Limits		
OEL TWA	5 mg/m³	
Lithuania - Occupational Exposure Limits		
IPRV (OEL TWA)	5 mg/m³	
Poland - Occupational Exposure Limits		
NDS (OEL TWA)	10 mg/m³	
NDSCh (OEL STEL)	40 mg/m³	
hexan-1-ol (111-27-3)		
Germany - Occupational Exposure Limits (TRGS 90	0)	
AGW (OEL TWA)	105 mg/m³ (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed (long-chain Alcohols)	
	25 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed (long-chain Alcohols)	
Romania - Occupational Exposure Limits		
OEL TWA	150 mg/m³	
	36 ppm	
OEL STEL	250 mg/m³	
	60 ppm	
Slovenia - Occupational Exposure Limits		
OEL TWA	210 mg/m³	
	50 ppm	
OEL STEL	210 mg/m³	

# Safety Data Sheet

hexan-1-ol (111-27-3)		
	50 ppm	
butyric acid (107-92-6)		
Bulgaria - Occupational Exposure Limits		
OEL TWA	10 mg/m³	
Latvia - Occupational Exposure Limits		
OEL TWA	10 mg/m³	
Lithuania - Occupational Exposure Limits		
IPRV (OEL TWA)	10 mg/m³	
Romania - Occupational Exposure Limits		
OEL TWA	15 mg/m³	
	4 ppm	
OEL STEL	30 mg/m³	
	8 ppm	
propionic acid % (79-09-4)		
EU - Indicative Occupational Exposure Limit (IOEL)		
IOEL TWA	31 mg/m³	
	10 ppm	
IOEL STEL	62 mg/m³	
	20 ppm	
Austria - Occupational Exposure Limits		
MAK (OEL TWA)	31 mg/m³	
	10 ppm	
MAK (OEL STEL)	62 mg/m³	
	20 ppm	
Belgium - Occupational Exposure Limits		
OEL TWA	31 mg/m³	
	10 ppm	
OEL STEL	62 mg/m³	
	20 ppm	
Bulgaria - Occupational Exposure Limits		
OEL TWA	31 mg/m³	
	10 ppm	
OEL STEL	62 mg/m³	
	20 ppm	
Croatia - Occupational Exposure Limits		
GVI (OEL TWA)	31 mg/m³	
	10 ppm	
KGVI (OEL STEL)	62 mg/m³	

# Safety Data Sheet

propionic acid % (79-09-4)		
	20 ppm	
Cyprus - Occupational Exposure Limits		
OEL TWA	31 mg/m³	
	10 ppm	
OEL STEL	62 mg/m³	
	20 ppm	
Czech Republic - Occupational Exposure Limits		
PEL (OEL TWA)	30 mg/m³	
Denmark - Occupational Exposure Limits		
OEL TWA	31 mg/m³	
	10 ppm	
OEL STEL	62 mg/m³	
	20 ppm	
Estonia - Occupational Exposure Limits		
OEL TWA	30 mg/m³	
	10 ppm	
OEL STEL	62 mg/m³	
	20 ppm	
Finland - Occupational Exposure Limits		
HTP (OEL TWA)	31 mg/m³	
	10 ppm	
HTP (OEL STEL)	61 mg/m³	
	20 ppm	
France - Occupational Exposure Limits		
VME (OEL TWA)	31 mg/m³ (indicative limit)	
	10 ppm (indicative limit)	
VLE (OEL C/STEL)	62 mg/m³ (indicative limit)	
	20 ppm (indicative limit)	
Germany - Occupational Exposure Limits (TRGS 90	00)	
AGW (OEL TWA)	31 mg/m³ (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)	
	10 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)	
Gibraltar - Occupational Exposure Limits		
OEL TWA	31 mg/m³	
	10 ppm	
OEL STEL	62 mg/m³	
	20 ppm	
Greece - Occupational Exposure Limits		
OEL TWA	30 mg/m³	

# Safety Data Sheet

10 ppm	propionic acid % (79-09-4)	
Selection   Sel	,	10 ppm
Name	OEL STEL	
Hungary - Occupational Exposure Limits	5=-5.=-	7
AK (OEL TWA) 31 mg/m² CK (OEL STEL) 62 mg/m²  Treland - Occupational Exposure Limits  OEL TWA 31 mg/m² 10 pp/m  OEL STEL 62 mg/m² 20 pp/m  Itally - Occupational Exposure Limits  OEL TWA 31 mg/m² 10 pp/m  OEL STEL 62 mg/m³ 20 pp/m  Itally - Occupational Exposure Limits  OEL TWA 31 mg/m² 10 pp/m  OEL STEL 62 mg/m³ 20 pp/m  Latvia - Occupational Exposure Limits  OEL TWA 31 mg/m² 10 pp/m  IPRV (OEL TWA) 31 mg/m² 10 pp/m  TPRV (OEL TWA) 31 mg/m³ 10 pp/m  TPRV (OEL STEL) 62 mg/m³ 20 pp/m  Luxumbourg - Occupational Exposure Limits  ULituralia - Occupational Exposure Limits  OEL TWA 31 mg/m³ 10 pp/m  OEL STEL 62 mg/m³ 20 pp/m  Malta - Occupational Exposure Limits  OEL TWA 31 mg/m³ 10 pp/m  OEL STEL 62 mg/m³ 20 pp/m  Malta - Occupational Exposure Limits  OEL TWA 31 mg/m³ 10 pp/m  OEL STEL 62 mg/m³ 20 pp/m  Malta - Occupational Exposure Limits  OEL TWA 31 mg/m³ 10 pp/m  OEL STEL 52 mg/m³ 20 pp/m  Malta - Occupational Exposure Limits  OEL TWA 31 mg/m³ 10 pp/m  OEL STEL 52 mg/m³ 20 pp/m  Netherlands - Occupational Exposure Limits  TGG-8u (OEL TWA) 31 mg/m³ 10 pp/m  TGG-15min (OEL STEL) 62 mg/m³ 10 pp/m  TGG-15min (OEL STEL) 62 mg/m³ 10 pp/m	Hungary - Occupational Exposure Limits	20 pp
CK (OEL STEL)         62 mg/m²           Ireland - Occupational Exposure Limits         31 mg/m²           OEL STEL         62 mg/m²           OEL STEL         62 mg/m²           OEL TWA         31 mg/m²           Italy - Occupational Exposure Limits         0EL TWA           OEL TWA         31 mg/m²           10 ppm         0EL TWA           OEL TWA         31 mg/m²           10 ppm         0EL TWA           DEL TWA         31 mg/m²           10 ppm         0EL TWA           1PRV (OEL TWA)         31 mg/m²           10 ppm         0EL TWA           TPRV (OEL STEL)         62 mg/m²           20 ppm         0EL TWA           Luxembourg - Occupational Exposure Limits         0EL TWA           OEL TWA         31 mg/m²           10 ppm         0EL TWA           Malta - Occupational Exposure Limits         0EL TWA           OEL STEL         62 mg/m²           20 ppm         0EL TWA           Malta - Occupational Exposure Limits         0EL TWA           OEL TWA         31 mg/m²           10 ppm         0EL TWA           OEL STEL         62 mg/m²           20 ppm           Net		31 mg/m³
Treland - Occupational Exposure Limits		
OEL TWA         31 mg/m³           10 ppm         62 mg/m³           20 ppm         20 ppm           Italy - Occupational Exposure Limits           OEL TWA         31 mg/m³           10 ppm         62 mg/m³           20 ppm         10 ppm           Latvia - Occupational Exposure Limits           OEL TWA         31 mg/m³           10 ppm         10 ppm           Lithuania - Occupational Exposure Limits           IPRV (OEL TWA)         31 mg/m³           10 ppm         62 mg/m³           10 ppm         10 ppm           Cuxembourg - Occupational Exposure Limits           OEL TWA         31 mg/m³           10 ppm         10 ppm           Maita - Occupational Exposure Limits           OEL TWA         31 mg/m³           10 ppm         10 ppm           Maita - Occupational Exposure Limits           OEL TWA         31 mg/m³           10 ppm         10 ppm           Netherlands - Occupational Exposure Limits           Time of the property of the		02 mg/m
10 ppm		31 mg/m³
OEL STEL         62 mg/m³           Italy - Occupational Exposure Limits         31 mg/m³           OEL TWA         31 mg/m³           0EL STEL         62 mg/m³           0E STEL         62 mg/m³           Latvia - Occupational Exposure Limits         31 mg/m³           OEL TWA         31 mg/m³           10 ppm         10 ppm           Lithuania - Occupational Exposure Limits         92 mg/m³           10 ppm         62 mg/m³           20 ppm         92 ppm           Luxembourg - Occupational Exposure Limits         93 mg/m³           OEL TWA         31 mg/m³           10 ppm         90 ppm           Malta - Occupational Exposure Limits         92 ppm           OEL STEL         62 mg/m³           0EL TWA         31 mg/m³           10 ppm         90 ppm           Malta - Occupational Exposure Limits         92 ppm           OEL TWA         31 mg/m³           10 ppm         90 ppm           OEL STEL         92 ppm           OEL STEL         90 ppm	OLL IWA	
Italy - Occupational Exposure Limits	OEI STEI	
Italy - Occupational Exposure Limits           OEL TWA         31 mg/m³           10 ppm         10 ppm           OEL STEL         62 mg/m³           20 ppm         10 ppm           Latvia - Occupational Exposure Limits         31 mg/m³           10 ppm         11 mg/m³           10 ppm         10 ppm           TPRV (OEL TWA)         31 mg/m³           10 ppm         10 ppm           Luxembourg - Occupational Exposure Limits         31 mg/m³           OEL TWA         31 mg/m³           10 ppm         10 ppm           Malta - Occupational Exposure Limits         62 mg/m³           OEL TWA         31 mg/m³           10 ppm         10 ppm           OEL STEL         62 mg/m³           0E ppm         10 ppm           OEL STEL         62 mg/m³           10 ppm         10 ppm           OEL STEL         10 ppm <td< td=""><td>OLL SILL</td><td></td></td<>	OLL SILL	
OEL TWA         31 mg/m³           10 ppm         10 ppm           OEL STEL         62 mg/m³           20 ppm         20 ppm           Latvia - Occupational Exposure Limits         10 ppm           Lithuania - Occupational Exposure Limits         10 ppm           IPRV (OEL TWA)         31 mg/m³           10 ppm         10 ppm           Luxembourg - Occupational Exposure Limits         62 mg/m³           DEL TWA         31 mg/m³           10 ppm         62 mg/m³           OEL TWA         31 mg/m³           0 ppm         00 ppm           Malta - Occupational Exposure Limits         02 ppm           Malta - Occupational Exposure Limits         02 ppm           OEL TWA         31 mg/m³           10 ppm         02 ppm           Netherlands - Occupational Exposure Limits         02 ppm           Netherlands - Occupational Exposure Limits         04 mg/m³           TGG-8u (OEL TWA)         31 mg/m³           10 ppm         05 mg/m³	Italy Conventional Evenouse Limite	20 ррпі
10 ppm		24 mg/m³
OEL STEL         62 mg/m³           Latvia - Occupational Exposure Limits         31 mg/m³           OEL TWA         31 mg/m³           10 ppm         10 ppm           Lithuania - Occupational Exposure Limits         10 ppm           TPRV (OEL TWA)         31 mg/m³           10 ppm         10 ppm           Luxembourg - Occupational Exposure Limits         20 ppm           Luxembourg - Occupational Exposure Limits         10 ppm           OEL TWA         31 mg/m³           10 ppm         20 ppm           Malta - Occupational Exposure Limits         20 ppm           OEL TWA         31 mg/m³           10 ppm         10 ppm           OEL STEL         62 mg/m³           20 ppm         Netherlands - Occupational Exposure Limits           TGG-8u (OEL TWA)         31 mg/m³           10 ppm         10 ppm           TGG-15min (OEL STEL)         62 mg/m³           10 ppm         10 ppm	OEL TWA	
20 ppm	OF OTE	
Latvia - Occupational Exposure Limits           OEL TWA         31 mg/m³           10 ppm         110 ppm           Lithuania - Occupational Exposure Limits         110 ppm           IPRV (OEL TWA)         31 mg/m³           10 ppm         20 ppm           Luxembourg - Occupational Exposure Limits         10 ppm           OEL TWA         31 mg/m³           10 ppm         20 ppm           Malta - Occupational Exposure Limits         20 ppm           OEL TWA         31 mg/m³           10 ppm         10 ppm           OEL STEL         62 mg/m³           OEL STEL         62 mg/m³           Netherlands - Occupational Exposure Limits         20 ppm           Netherlands - Occupational Exposure Limits         10 ppm           TGG-15min (OEL STEL)         62 mg/m³           10 ppm         10 ppm	OELSTEL	
OEL TWA         31 mg/m³           Lithuania - Occupational Exposure Limits         31 mg/m³           IPRV (OEL TWA)         31 mg/m³           10 ppm         10 ppm           TPRV (OEL STEL)         62 mg/m³           20 ppm         20 ppm           Luxembourg - Occupational Exposure Limits         31 mg/m³           OEL TWA         31 mg/m³           0EL STEL         62 mg/m³           0EL TWA         31 mg/m³           10 ppm           OEL STEL         62 mg/m³           0EL TWA         31 mg/m³           10 ppm           OEL STEL         62 mg/m³           70 ppm           Netherlands - Occupational Exposure Limits           TGG-8u (OEL TWA)         31 mg/m³           10 ppm           TGG-15min (OEL STEL)         62 mg/m³		20 ppm
10 ppm		
Lithuania - Occupational Exposure Limits           IPRV (OEL TWA)         31 mg/m³           10 ppm         10 ppm           TPRV (OEL STEL)         62 mg/m³           20 ppm         20 ppm           Luxembourg - Occupational Exposure Limits         31 mg/m³           0EL TWA         62 mg/m³           20 ppm           Malta - Occupational Exposure Limits           OEL TWA         31 mg/m³           10 ppm           OEL STEL         62 mg/m³           20 ppm           Netherlands - Occupational Exposure Limits           TGG-8u (OEL TWA)         31 mg/m³           10 ppm           TGG-15min (OEL STEL)         62 mg/m³	OEL TWA	
IPRV (OEL TWA)         31 mg/m³           10 ppm         62 mg/m³           20 ppm         20 ppm           Luxembourg - Occupational Exposure Limits         31 mg/m³           OEL TWA         31 mg/m³           10 ppm         62 mg/m³           20 ppm           Malta - Occupational Exposure Limits           OEL TWA         31 mg/m³           10 ppm           OEL STEL         62 mg/m³           20 ppm           Netherlands - Occupational Exposure Limits           TGG-8u (OEL TWA)         31 mg/m³           10 ppm           TGG-15min (OEL STEL)         62 mg/m³		10 ppm
10 ppm		
TPRV (OEL STEL)         62 mg/m³           Luxembourg - Occupational Exposure Limits           OEL TWA         31 mg/m³           10 ppm         62 mg/m³           20 ppm         20 ppm           Malta - Occupational Exposure Limits           OEL TWA         31 mg/m³           10 ppm           OEL STEL         62 mg/m³           20 ppm           Netherlands - Occupational Exposure Limits           TGG-8u (OEL TWA)         31 mg/m³           10 ppm           TGG-15min (OEL STEL)         62 mg/m³	IPRV (OEL TWA)	
20 ppm		10 ppm
Luxembourg - Occupational Exposure Limits           OEL TWA         31 mg/m³           10 ppm         62 mg/m³           20 ppm           Malta - Occupational Exposure Limits           OEL TWA         31 mg/m³           10 ppm           OEL STEL         62 mg/m³           20 ppm           Netherlands - Occupational Exposure Limits           TGG-8u (OEL TWA)         31 mg/m³           10 ppm           TGG-15min (OEL STEL)         62 mg/m³	TPRV (OEL STEL)	62 mg/m³
OEL TWA         31 mg/m³           10 ppm         62 mg/m³           20 ppm         20 ppm           Malta - Occupational Exposure Limits           OEL TWA         31 mg/m³           10 ppm           OEL STEL         62 mg/m³           20 ppm           Netherlands - Occupational Exposure Limits           TGG-8u (OEL TWA)         31 mg/m³           10 ppm           TGG-15min (OEL STEL)         62 mg/m³		20 ppm
10 ppm	Luxembourg - Occupational Exposure Limits	
OEL STEL       62 mg/m³         Malta - Occupational Exposure Limits         OEL TWA       31 mg/m³         10 ppm         OEL STEL       62 mg/m³         20 ppm         Netherlands - Occupational Exposure Limits         TGG-8u (OEL TWA)       31 mg/m³         10 ppm         TGG-15min (OEL STEL)       62 mg/m³	OEL TWA	31 mg/m³
20 ppm		10 ppm
Malta - Occupational Exposure Limits           OEL TWA         31 mg/m³           10 ppm         62 mg/m³           20 ppm           Netherlands - Occupational Exposure Limits           TGG-8u (OEL TWA)         31 mg/m³           10 ppm           TGG-15min (OEL STEL)         62 mg/m³	OEL STEL	62 mg/m³
OEL TWA       31 mg/m³         10 ppm         OEL STEL       62 mg/m³         20 ppm         Netherlands - Occupational Exposure Limits         TGG-8u (OEL TWA)       31 mg/m³         10 ppm         TGG-15min (OEL STEL)       62 mg/m³		20 ppm
10 ppm	Malta - Occupational Exposure Limits	
OEL STEL       62 mg/m³         20 ppm         Netherlands - Occupational Exposure Limits         TGG-8u (OEL TWA)       31 mg/m³         10 ppm         TGG-15min (OEL STEL)       62 mg/m³	OEL TWA	31 mg/m³
Netherlands - Occupational Exposure Limits           TGG-8u (OEL TWA)         31 mg/m³ 10 ppm           TGG-15min (OEL STEL)         62 mg/m³		10 ppm
Netherlands - Occupational Exposure Limits           TGG-8u (OEL TWA)         31 mg/m³           10 ppm           TGG-15min (OEL STEL)         62 mg/m³	OEL STEL	62 mg/m³
TGG-8u (OEL TWA)  31 mg/m³  10 ppm  TGG-15min (OEL STEL)  62 mg/m³		20 ppm
10 ppm  TGG-15min (OEL STEL)  62 mg/m³	Netherlands - Occupational Exposure Limits	·
TGG-15min (OEL STEL)  62 mg/m³	TGG-8u (OEL TWA)	31 mg/m³
		10 ppm
20 ppm	TGG-15min (OEL STEL)	62 mg/m³
		20 ppm

# Safety Data Sheet

propionic acid % (79-09-4)		
Poland - Occupational Exposure Limits		
NDS (OEL TWA)	30 mg/m³	
NDSCh (OEL STEL)	45 mg/m³	
Portugal - Occupational Exposure Limits		
OEL TWA	31 mg/m³ (indicative limit value)	
	10 ppm (indicative limit value)	
OEL STEL	62 mg/m³ (indicative limit value)	
	20 ppm (indicative limit value)	
Romania - Occupational Exposure Limits		
OEL TWA	31 mg/m³	
	10 ppm	
OEL STEL	62 mg/m³	
	20 ppm	
Slovakia - Occupational Exposure Limits		
NPHV (OEL TWA)	31 mg/m³	
	10 ppm	
NPHV (OEL C)	62 mg/m³	
Slovenia - Occupational Exposure Limits		
OEL TWA	31 mg/m³	
	10 ppm	
OEL STEL	62 mg/m³	
	20 ppm	
Spain - Occupational Exposure Limits		
VLA-ED (OEL TWA)	31 mg/m³ (indicative limit value)	
	10 ppm (indicative limit value)	
VLA-EC (OEL STEL)	62 mg/m³	
	20 ppm	
Sweden - Occupational Exposure Limits		
NGV (OEL TWA)	30 mg/m³	
	10 ppm	
KGV (OEL STEL)	62 mg/m³	
	20 ppm	
United Kingdom - Occupational Exposure Limits		
WEL TWA (OEL TWA)	31 mg/m³	
	10 ppm	
WEL STEL (OEL STEL)	46 mg/m³	
	15 ppm	
Norway - Occupational Exposure Limits		
Grenseverdi (OEL TWA)	30 mg/m³	

# Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

propionic acid % (79-09-4)	
	10 ppm
Korttidsverdi (OEL STEL)	45 mg/m³ (value calculated)
	20 ppm (value calculated)
Switzerland - Occupational Exposure Limits	
MAK (OEL TWA)	30 mg/m³
	10 ppm
KZGW (OEL STEL)	60 mg/m³
	20 ppm
USA - ACGIH - Occupational Exposure Limits	
ACGIH OEL TWA	10 ppm

#### 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

No additional information available

#### 8.1.5. Control banding

No additional information available

### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

#### 8.2.2. Personal protection equipment

#### Personal protective equipment:

Avoid all unnecessary exposure.

#### Personal protective equipment symbol(s):





# 8.2.2.1. Eye and face protection

#### Eye protection:

Chemical goggles or safety glasses

#### 8.2.2.2. Skin protection

#### Skin and body protection:

Wear suitable protective clothing

# Hand protection:

Wear protective gloves.

### 8.2.2.3. Respiratory protection

### Respiratory protection:

Wear appropriate mask

#### 8.2.2.4. Thermal hazards

No additional information available

### Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

#### 8.2.3. Environmental exposure controls

#### **Environmental exposure controls:**

Avoid release to the environment.

#### Other information:

Do not eat, drink or smoke during use.

# **SECTION 9: Physical and chemical properties**

### 9.1. Information on basic physical and chemical properties

Physical state : Liquid

Colour : light yellow. amber. Conforms to standard.

Odour : characteristic.
Odour threshold : Not available
Melting point : Not applicable
Freezing point : Not available
Boiling point : Not available

Flammability : Not applicable, Non flammable.

Lower explosion limit : Not available Upper explosion limit : Not available Flash point : > 93 °C Auto-ignition temperature : Not available Decomposition temperature : Not available рΗ : Not available Viscosity, kinematic : Not available Solubility : Not available Partition coefficient n-octanol/water (Log Kow) : Not available

Vapour pressure : 0.003667463 mm Hg (calculated value)

Vapour pressure at 50°C : Not available
Density : Not available
Relative density : 1.039
Relative vapour density at 20°C : Not available
Particle characteristics : Not applicable

# 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

No additional information available

### 9.2.2. Other safety characteristics

VOC content : 7.56771884 % (calculated value)(CARB VOC) (%w/w)

### **SECTION 10: Stability and reactivity**

#### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

# 10.2. Chemical stability

Not established.

#### 10.3. Possibility of hazardous reactions

Not established.

# 10.4. Conditions to avoid

Extremely high or low temperatures. Direct sunlight.

#### 10.5. Incompatible materials

Strong acids. Strong bases.

2/18/2025 (Revision date) EN (English) 14/26

# Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

#### 10.6. Hazardous decomposition products

Carbon dioxide. fume. Carbon monoxide.

# **SECTION 11: Toxicological information**

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

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

Acute toxicity (innaiation)	Not classified
Bis(2-ethylhexyl) adipate (103-23-1)	
LD50 oral rat	5600 mg/kg (Source: NLM_CIP)
LD50 dermal rabbit	8410 mg/kg (Source: NLM_CIP)
LC50 Inhalation - Rat	> 5.7 mg/l/4h
Cinnamic aldehyde (104-55-2)	
LD50 oral rat	2220 mg/kg (Source: NLM_CIP)
LD50 oral	2220 mg/kg
LD50 dermal rabbit	1260 mg/kg (Source: EPA_HPV)
Linalool (78-70-6)	
LD50 oral	2790 mg/kg
benzyl alcohol (100-51-6)	
LD50 oral rat	1230 mg/kg (Source: NLM_CIP)
LD50 oral	1570 mg/kg
Anisic aldehyde (123-11-5)	
LD50 oral rat	3210 mg/kg (Source: ECHA)
LD50 oral	3210 mg/kg bodyweight
LD50 dermal rabbit	> 5000 mg/kg (Source: EPA_HPV)
LC50 Inhalation - Rat	> 0.32 mg/l (Exposure time: 7 h Source: ECHA)
Vanillin (121-33-5)	
LD50 dermal rabbit	> 5010 mg/kg (Source: OECD_SIDS)
LD50 dermal	2600 mg/kg bodyweight
Ethyl maltol (4940-11-8)	
LD50 oral rat	1150 mg/kg (Source: NLM_CIP)
LD50 oral	1200 mg/kg bodyweight
LD50 dermal rabbit	> 5000 mg/kg (Source: ECHA_API)
Benzyl salicylate (118-58-1)	
LD50 oral rat	2227 mg/kg (Source: NLM_CIP)
LD50 oral	2200 mg/kg bodyweight
LD50 dermal rabbit	> 5000 mg/kg (Source: CHEMVIEW)
1,2-Propanediol (57-55-6)	
LD50 oral rat	20 g/kg (Source: NLM_CIP)
	•

2/18/2025 (Revision date) EN (English) 15/26

# Safety Data Sheet

1,2-Propanediol (57-55-6)		
LD50 dermal rabbit	20800 mg/kg (Source: NLM_CIP)	
Acetyl Propionyl (600-14-6)		
LD50 oral rat	3 g/kg (Source: NLM_CIP)	
LD50 oral	3000 mg/kg	
LD50 dermal rabbit	> 2000 mg/kg (Source: NIOSH)	
COUMARIN (91-64-5)		
LD50 oral rat	> 5000 mg/kg (Source: JAPAN_GHS)	
LD50 dermal rat	293 mg/kg (Source: ECHA_API)	
benzaldehyde (100-52-7)		
LD50 oral rat	1292 mg/kg (Source: JAPAN_GHS)	
LD50 dermal rabbit	> 1250 mg/kg (Source: JAPAN_GHS)	
LC50 Inhalation - Rat	< 5 mg/l/4h	
Clove bud oil (Eugenia spp.) (84961-50-2)		
LD50 oral	2650 mg/kg	
LD50 dermal rabbit	1200 mg/kg (Source: ECHA_API)	
3(2H)-Furanone, 4-hydroxy-2,5-dimethyl- (365	8-77-3)	
LD50 oral	1608 mg/kg bodyweight	
Triplal (Vertocitral) (68039-49-6)		
LD50 oral	2330 mg/kg	
hexan-1-ol (111-27-3)		
LD50 oral rat	3210 mg/kg (Source: OECD_SIDS)	
LD50 oral	500 mg/kg bodyweight	
LD50 dermal rabbit	1500 – 2000 mg/kg (Source: OECD_SIDS)	
LD50 dermal	1750 mg/kg bodyweight	
LC50 Inhalation - Rat	> 21 mg/l (Exposure time: 1 h Source: OECD_SIDS)	
Cedryl acetate (77-54-3)		
LD50 oral rat	44750 mg/kg (Source: NLM_CIP)	
Aldehyde C-16 (77-83-8)		
LD50 oral rat	5470 mg/kg (Source: NLM_CIP)	
LD50 dermal rat	> 2000 mg/kg (Source: ECHA_API)	
Lemongrass oil (8007-02-1)		
LD50 oral rat	> 5 g/kg (Source: NLM_CIP)	
butyric acid (107-92-6)		
LD50 oral rat	2 g/kg (Source: NLM_CIP)	
LD50 oral	1630 mg/kg bodyweight	
LD50 dermal rabbit	530 mg/kg (Source: NLM_HSDB)	

# Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

propionic acid % (79-09-4)	
LD50 oral rat	351 mg/kg (Source: EFSA)
LD50 oral	3455 mg/kg
LD50 dermal rat	3235 mg/kg (Source: ECHA_API)
LD50 dermal	3235 mg/kg
LC50 Inhalation - Rat	> 19.7 mg/l (Exposure time: 1 h Source: ECHA)
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
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
Bis(2-ethylhexyl) adipate (103-23-1)	
IARC group	3 - Not classifiable
COUMARIN (91-64-5)	
IARC group	3 - Not classifiable
Reproductive toxicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
STOT-single exposure	: Not classified
Additional information	: Based on available data, the classification criteria are not met
propionic acid % (79-09-4)	
STOT-single exposure	May cause respiratory irritation.
STOT-repeated exposure	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Acetyl Propionyl (600-14-6)	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	: Not classified
Additional information	: Based on available data, the classification criteria are not met
44.2 Information on other borondo	

# 11.2. Information on other hazards

#### 11.2.1. Endocrine disrupting properties

No additional information available

# 11.2.2. Other information

Potential adverse human health effects and

symptoms

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

# **SECTION 12: Ecological information**

#### 12.1. Toxicity

Ecology - general : Harmful to aquatic life with long lasting effects.

Ecology - water : Harmful to aquatic life with long lasting effects.

: Not classified

Hazardous to the aquatic environment, short-term

(acute

Hazardous to the aquatic environment, long-term

(chronic)

: Harmful to aquatic life with long lasting effects.

2/18/2025 (Revision date) EN (English) 17/26

# Safety Data Sheet

Bis(2-ethylhexyl) adipate (103-23-1)	
LC50 - Fish [1]	0.48 – 0.85 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static] Source: EPA)
LC50 - Fish [2]	0.48 – 0.85 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static] Source: EPA)
EC50 - Crustacea [1]	> 1.6 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 72h - Algae [1]	> 500 mg/l (Species: Desmodesmus subspicatus)
Linalool (78-70-6)	
EC50 96h - Algae [1]	88.3 mg/l (Species: Desmodesmus subspicatus)
benzyl alcohol (100-51-6)	
LC50 - Fish [1]	460 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static] Source: EPA)
LC50 - Fish [2]	10 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static] Source: EPA)
EC50 - Crustacea [1]	23 mg/l (Exposure time: 48 h - Species: water flea)
Vanillin (121-33-5)	
LC50 - Fish [1]	53 – 61.3 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA)
LC50 - Fish [2]	88 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static] Source: EPA)
NOEC (acute)	10000 mg/kg (Exposure time: 42 Days - Species: Eisenia foetida [soil dry weight])
Ethyl maltol (4940-11-8)	
LC50 - Fish [1]	> 85 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss Source: ECHA)
Benzyl salicylate (118-58-1)	
LC50 - Fish [1]	1.03 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static] Source: ECHA)
1,2-Propanediol (57-55-6)	
LC50 - Fish [1]	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static] Source: IUCLID)
LC50 - Fish [2]	41 – 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static] Source: EPA)
EC50 - Crustacea [1]	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
EC50 96h - Algae [1]	19000 mg/l (Species: Pseudokirchneriella subcapitata)
benzaldehyde (100-52-7)	
LC50 - Fish [1]	10.6 – 11.8 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through] Source: EPA)
LC50 - Fish [2]	12.69 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static] Source: IUCLID)
hexan-1-ol (111-27-3)	
LC50 - Fish [1]	89.7 – 106 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA)
LC50 - Fish [2]	144 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [static] Source: IUCLID)
Aldehyde C-16 (77-83-8)	
LC50 - Fish [1]	4.2 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [semi-static] Source: ECHA)
butyric acid (107-92-6)	
EC50 72h - Algae [1]	46.7 mg/l (Species: Desmodesmus subspicatus)

# Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

propionic acid % (79-09-4)	
LC50 - Fish [1]	> 1 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static] Source: IUCLID)
LC50 - Fish [2]	73 – 99.7 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static] Source: EPA)
EC50 72h - Algae [1]	45.8 mg/l (Species: Desmodesmus subspicatus)
EC50 96h - Algae [1]	43 mg/l (Species: Desmodesmus subspicatus)

# 12.2. Persistence and degradability

12.2. Persistence and degradability		
GINGERBREAD CARAMEL MOUSSE #EU4626	6F	
Persistence and degradability	May cause long-term adverse effects in the environment.	
Bis(2-ethylhexyl) adipate (103-23-1)		
Persistence and degradability	Rapidly degradable	
Cinnamic aldehyde (104-55-2)		
Persistence and degradability	Rapidly degradable	
Linalool (78-70-6)		
Persistence and degradability	Rapidly degradable	
benzyl alcohol (100-51-6)		
Persistence and degradability	Rapidly degradable	
Anisic aldehyde (123-11-5)		
Persistence and degradability	Rapidly degradable	
Vanillin (121-33-5)		
Persistence and degradability	Rapidly degradable	
Ethyl maltol (4940-11-8)		
Persistence and degradability	Rapidly degradable	
Ethyl isovalerate (108-64-5)		
Persistence and degradability	Rapidly degradable	
Benzyl salicylate (118-58-1)		
Persistence and degradability	Rapidly degradable	
1,2-Propanediol (57-55-6)		
Persistence and degradability	Rapidly degradable	
Acetyl Propionyl (600-14-6)		
Persistence and degradability	Rapidly degradable	
COUMARIN (91-64-5)		
Persistence and degradability	Rapidly degradable	
benzaldehyde (100-52-7)		
Persistence and degradability	Rapidly degradable	
Clove bud oil (Eugenia spp.) (84961-50-2)		
Persistence and degradability	Rapidly degradable	

# Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

3(2H)-Furanone, 4-hydroxy-2,5-dimethyl- (3658-77-3)		
Persistence and degradability	Rapidly degradable	
Triplal (Vertocitral) (68039-49-6)		
Persistence and degradability	Rapidly degradable	
hexan-1-ol (111-27-3)		
Persistence and degradability	Rapidly degradable	
Cedryl acetate (77-54-3)		
Persistence and degradability	Rapidly degradable	
Aldehyde C-16 (77-83-8)		
Persistence and degradability	Rapidly degradable	
Lemongrass oil (8007-02-1)		
Persistence and degradability	Rapidly degradable	
butyric acid (107-92-6)		
Persistence and degradability	Rapidly degradable	
propionic acid % (79-09-4)		
Persistence and degradability	Rapidly degradable	

### 12.3. Bioaccumulative potential

12.3. Bloaccumulative potential		
GINGERBREAD CARAMEL MOUSSE #EU46266F		
Not established.		
(27 dimensionless)		
8.94 (at 25 °C)		
2.1065 (at 25 °C)		
1.05		
Anisic aldehyde (123-11-5)		
1.56 (at 25 °C (at pH >7.9-<8.25)		
1.23 (at 22 °C)		
Ethyl maltol (4940-11-8)		
2.9 (at 25 °C)		
Ethyl isovalerate (108-64-5)		
2.47 (at 23.8 °C (at pH 7)		
Benzyl salicylate (118-58-1)		
4		

### Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

1,2-Propanediol (57-55-6)		
BCF - Fish [1]	(1 dimensionless)	
Partition coefficient n-octanol/water (Log Pow)	-1.07 (at 20.5 °C (at pH >=6.2-<=6.4)	
benzaldehyde (100-52-7)		
BCF - Fish [1]	(no significant bioaccumulation)	
Partition coefficient n-octanol/water (Log Pow)	1.4 (at 25 °C)	
3(2H)-Furanone, 4-hydroxy-2,5-dimethyl- (365	B-77-3)	
Partition coefficient n-octanol/water (Log Pow)	0.95 (at 20 °C (at pH 2.5)	
hexan-1-ol (111-27-3)		
Partition coefficient n-octanol/water (Log Pow)	1.8	
Cedryl acetate (77-54-3)		
Partition coefficient n-octanol/water (Log Pow)	6 (at 25 °C)	
Aldehyde C-16 (77-83-8)		
Partition coefficient n-octanol/water (Log Pow)	2.4 (at 25 °C (cis isomer)	
butyric acid (107-92-6)		
Partition coefficient n-octanol/water (Log Pow)	1.1 (at 25 °C (at pH 3)	
propionic acid % (79-09-4)		
Partition coefficient n-octanol/water (Log Pow)	0.25 – 0.33	

#### 12.4. Mobility in soil

No additional information available

# 12.5. Results of PBT and vPvB assessment

No additional information available

#### 12.6. Endocrine disrupting properties

No additional information available

### 12.7. Other adverse effects

Additional information : Avoid release to the environment.

### **SECTION 13: Disposal considerations**

#### 13.1. Waste treatment methods

Waste treatment methods

Product/Packaging disposal recommendations

Ecological information HP Code

- $: \ \, \text{Dispose of contents/container in accordance with licensed collector's sorting instructions}.$
- : Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container in accordance with local/national laws and regulations.
- : Avoid release to the environment.
- : HP4 "Irritant skin irritation and eye damage:" waste which on application can cause skin irritation or damage to the eye.

HP14 - "Ecotoxic:" waste which presents or may present immediate or delayed risks for one or more sectors of the environment

### **SECTION 14: Transport information**

In accordance with ADR / IMDG / IATA / ADN / RID

 2/18/2025 (Revision date)
 EN (English)
 21/26

# Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID n	umber			
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shipping	g name			
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard o	lass(es)			
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental haz	ards			
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
No supplementary informatio	n available			

#### 14.6. Special precautions for user

#### **Overland transport**

Not applicable

#### Transport by sea

Not applicable

#### Air transport

Not applicable

#### **Inland waterway transport**

Not applicable

#### Rail transport

Not applicable

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

Not applicable

# **SECTION 15: Regulatory information**

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

### 15.1.1. EU-Regulations

### **REACH Annex XVII (Restriction List)**

EU restriction list (REACH Annex XVII)		
Reference code	Applicable on	Entry title or description
3(a)	Ethyl isovalerate; Acetyl Propionyl; hexan-1-ol; propionic acid %	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F

### Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

EU restriction list (	EU restriction list (REACH Annex XVII)		
Reference code	Applicable on	Entry title or description	
3(b)	GINGERBREAD CARAMEL MOUSSE #EU46266F; Cinnamic aldehyde; Linalool; benzyl alcohol; Ethyl isovalerate; Benzyl salicylate; Acetyl Propionyl; benzaldehyde ; Clove bud oil (Eugenia spp.); 3(2H)-Furanone, 4- hydroxy-2,5-dimethyl-; Triplal (Vertocitral); hexan-1-ol; Cedryl acetate; Aldehyde C-16; Lemongrass oil; butyric acid; propionic acid %	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10	
3(c)	GINGERBREAD CARAMEL MOUSSE #EU46266F; Bis(2- ethylhexyl) adipate; Cinnamic aldehyde; Anisic aldehyde; Benzyl salicylate; Triplal (Vertocitral); Cedryl acetate; Aldehyde C-16; Lemongrass oil	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1	
40.	Ethyl isovalerate; Acetyl Propionyl; hexan-1-ol; propionic acid %	Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.	

#### **REACH Annex XIV (Authorisation List)**

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

#### **REACH Candidate List (SVHC)**

Contains no substance(s) listed on the REACH Candidate List

### **PIC Regulation (Prior Informed Consent)**

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

#### **POP Regulation (Persistent Organic Pollutants)**

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

#### Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

#### Council Regulation (EC) for the control of dual-use items

Contains no substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items

#### VOC Directive (2004/42)

VOC content : 7.56771884 % (calculated value)(CARB VOC) (%w/w)

### **Explosives Precursors Regulation (2019/1148)**

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

#### **Drug Precursors Regulation (273/2004)**

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

# Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

#### 15.1.2. National regulations

#### **France**

Occupational diseases	
Code	Description
RG 84	Conditions caused by liquid organic solvents for professional use: saturated or unsaturated aliphatic or cyclic liquid hydrocarbons and mixtures thereof; liquid halogenated hydrocarbons; nitrated derivatives of aliphatic hydrocarbons; alcohols; glycols, glycol ethers; ketones; aldehydes; aliphatic and cyclic ethers, including tetrahydrofuran; esters; dimethylformamide and dimethylacetamine; acetonitrile and propionitrile; pyridine; dimethylsulfone and dimethylsulfoxide

#### Germany

Employment restrictions : Observe restrictions according Act on the Protection of Working Mothers (MuSchG).

Observe restrictions according Act on the Protection of Young People in Employment (JArbSchG).

Water hazard class (WGK) : WGK 2, Significantly hazardous to water (Classification according to AwSV, Annex 1).

List of sensitizing substances (TRGS 907) : Contains sensitizing substances according TRGS 907.

Major Accidents Ordinance (12. BlmSchV)

Is not subject to the Major Accidents Ordinance (12. BlmSchV)

#### **Netherlands**

ABM category : A(2) - toxic for aquatic organisms, may have longterm hazardous effects in aquatic environment

SZW-lijst van kankerverwekkende stoffen : Clove bud oil (Eugenia spp.),Triplal (Vertocitral) are listed SZW-lijst van mutagene stoffen : Clove bud oil (Eugenia spp.),Triplal (Vertocitral) are listed

SZW-lijst van reprotoxische stoffen – Borstvoeding : None of the components are listed : None of the components are listed

Vruchtbaarheid SZW-lijst van reprotoxische stoffen – Ontwikkeling : None of the components are listed

#### Denmark

Classification remarks : Emergency management guidelines for the storage of flammable liquids must be followed

Danish National Regulations : Young people below the age of 18 years are not allowed to use the product

Pregnant/breastfeeding women working with the product must not be in direct contact with
the product

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

### **SECTION 16: Other information**

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	
ATE	Acute Toxicity Estimate	
BCF	Bioconcentration factor	
BLV	Biological limit value	
BOD	Biochemical oxygen demand (BOD)	
COD	Chemical oxygen demand (COD)	
DMEL	Derived Minimal Effect level	
DNEL	Derived-No Effect Level	
EC-No.	European Community number	
EC50	Median effective concentration	

# Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Abbreviations and acronyms:		
EN	European Standard	
IARC	International Agency for Research on Cancer	
IATA	International Air Transport Association	
IMDG	International Maritime Dangerous Goods	
LC50	Median lethal concentration	
LD50	Median lethal dose	
LOAEL	Lowest Observed Adverse Effect Level	
NOAEC	No-Observed Adverse Effect Concentration	
NOAEL	No-Observed Adverse Effect Level	
NOEC	No-Observed Effect Concentration	
OECD	Organisation for Economic Co-operation and Development	
OEL	Occupational Exposure Limit	
PBT	Persistent Bioaccumulative Toxic	
PNEC	Predicted No-Effect Concentration	
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail	
SDS	Safety Data Sheet	
STP	Sewage treatment plant	
ThOD	Theoretical oxygen demand (ThOD)	
TLM	Median Tolerance Limit	
VOC	Volatile Organic Compounds	
CAS-No.	Chemical Abstract Service number	
N.O.S.	Not Otherwise Specified	
vPvB	Very Persistent and Very Bioaccumulative	
ED	Endocrine disrupting properties	

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.

Full text of H- and EUH-statements:	
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2

# Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Full text of H- and EUH-statements:		
Flam. Liq. 2	Flammable liquids, Category 2	
Flam. Liq. 3	Flammable liquids, Category 3	
H225	Highly flammable liquid and vapour.	
H226	Flammable liquid and vapour.	
H302	Harmful if swallowed.	
H312	Harmful 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.	
H332	Harmful if inhaled.	
H335	May cause respiratory irritation.	
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.	
H412	Harmful to aquatic life with long lasting effects.	
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B	
Skin Irrit. 2	Skin corrosion/irritation, Category 2	
Skin Sens. 1	Skin sensitisation, Category 1	
Skin Sens. 1A	Skin sensitisation, category 1A	
Skin Sens. 1B	Skin sensitisation, category 1B	
STOT RE 2	Specific target organ toxicity – Repeated exposure, Category 2	
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation	

The classification complies with

: ATP 12

Safety Data Sheet (SDS), EU

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.