STRAWBERRY SHORTCAKE CC-13089 25% in DPG

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

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

1.1. Product identifier

Product form	:	Mixture
Product name	:	STRAWBERRY SHORTCAKE CC-13089 25% in DPG
Product code	:	CC-13089_25%
Type of product	:	Perfumes, fragrances

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

1.2.1. Relevant identified uses

Industrial/Professional use spec	:	Industrial For professional use only
Use of the substance/mixture	:	Perfumes, fragrances
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

Candle Craft
Weiherwiese 10
65510 Idstein - Germany
T 49-6126-9363 -0
info@candlecraft.de - www.candlecraft.de

1.4. Emergency telephone number

No additional information available

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Skin sensitisation, Category 1	H317
Hazardous to the aquatic environment – Chronic Hazard, Category 3	H412

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

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

Hazard pictograms (CLP) :

GHS07

Signal word (CLP)	:	Warning
Contains	:	Aldehyde C-16; Cinnamic aldehyde; 3(2H)-Furanone, 4-hydroxy-2,5-dimethyl-
Hazard statements (CLP)	:	H317 - May cause an allergic skin reaction. H412 - Harmful to aquatic life with long lasting effects.
Precautionary statements (CLP)	:	P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. 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.
P321 - Specific treatment (see supplemental first aid instruction on this label).

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: Compition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
benzyl benzoate	CAS-No.: 120-51-4 EC-No.: 204-402-9 EC Index-No.: 607-085-00-9 REACH-no: 01-2119976371-33	7.825 – 15.661	Acute Tox. 4 (Oral), H302 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
Aldehyde C-16	CAS-No.: 77-83-8 EC-No.: 201-061-8 REACH-no: 01-2119967770-28	3.125 – 6.25	Skin Sens. 1B, H317 Aquatic Chronic 2, H411
Cinnamic aldehyde	CAS-No.: 104-55-2 EC-No.: 203-213-9 EC Index-No.: 606-155-00-6 REACH-no: 01-2119935242-45	0.2 – 0.375	Acute Tox. 4 (Dermal), H312 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1A, H317 Aquatic Chronic 3, H412
Acetyl Propionyl substance with national workplace expure limit(s) (DE, SI, CH)	CAS-No.: 600-14-6 EC-No.: 209-984-8	0.025 – 0.05	Flam. Liq. 2, H225 Eye Dam. 1, H318 Skin Sens. 1B, H317 STOT RE 2, H373
benzaldehyde substance with national workplace expure 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: 01-2119455540-44	0.025 – 0.05	Acute Tox. 4 (Oral), H302
1,2-Propanediol substance with national workplace expure limit(s) (GB, HR, IE, LT, LV, PL, NO)	CAS-No.: 57-55-6 EC-No.: 200-338-0 REACH-no: 01-2119456809-23	0.025 – 0.04	Not classified
propionic acid … % substance with national workplace expure 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 expure limit	CAS-No.: 79-09-4 EC-No.: 201-176-3 EC Index-No.: 607-089-00-0	0.025 – 0.025	Flam. Liq. 3, H226 Skin Corr. 1B, H314 STOT SE 3, H335

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Ethyl benzoate substance with national workplace expure limit(s) (RO)	CAS-No.: 93-89-0 EC-No.: 202-284-3	0.025 – 0.025	Not classified
acetophenone substance with national workplace expure limit(s) (BE, BG, DK, ES, FI, HU, IE, LT, LV, PL, PT, RO)	CAS-No.: 98-86-2 EC-No.: 202-708-7 EC Index-No.: 606-042-00-1 REACH-no: 01-2119533169-37	0.025 – 0.025	Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319
3(2H)-Furanone, 4-hydroxy-2,5-dimethyl-	CAS-No.: 3658-77-3 EC-No.: 222-908-8	0 – 0.01	Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Eye Irrit. 2, H319 Skin Sens. 1A, H317
Alcohol C-10 substance with national workplace expure limit(s) (BG, DE, LT, LV, RO, CH)	CAS-No.: 112-30-1 EC-No.: 203-956-9	0 – 0.0007	Aquatic Chronic 3, H412
Aldehyde C-6 substance with national workplace expure limit(s) (FI, PL)	CAS-No.: 66-25-1 EC-No.: 200-624-5	0 – 0.000175	Flam. Liq. 3, H226

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 ≤ C < 100) STOT SE 3, H335 (10 ≤ C < 25) Eye Irrit. 2, H319 (10 ≤ C < 25) Skin Irrit. 2, H315 (25 ≤ 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 : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where psible).

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

First-aid measures after skin contact : Remove affected clothing and wash all exped skin area with mild soap and water, followed by warm water rinse.

First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.

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

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

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

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.

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

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exped 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

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

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as psible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Section 8. Expure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

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

7.2. Conditions for safe storage, including any incompatibilities

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

Incompatible products : Strong bases. Strong acids.

Incompatible materials : Sources of ignition. Direct sunlight.

Germany

Storage class (LGK, TRGS 510) : LGK 12 - Non-combustible liquids

Joint storage table :

LGK 1	LGK 2A	LGK 2B	LGK 3	LGK 4.1A
LGK 4.1B	LGK 4.2	LGK 4.3	LGK 5.1A	LGK 5.1B
LGK 5.1C	LGK 5.2	LGK 6.1A	LGK 6.1B	LGK 6.1C
LGK 6.1D	LGK 6.2	LGK 7	LGK 8A	LGK 8B
LGK 10	LGK 11	LGK 12	LGK 13	LGK 10-13

Joint storage not permitted for : LGK 1, LGK 6.2, LGK 7

Joint storage with restrictions permitted for : LGK 4.1A, LGK 4.3, LGK 5.1C

Joint storage permitted for : LGK 2A, LGK 2B, LGK 3, LGK 4.1B, LGK 4.2, LGK 5.1A, LGK 5.1B, LGK 5.2, LGK 6.1A, LGK 6.1B, LGK 6.1C, LGK 6.1D, LGK 8A, LGK 8B, LGK 10, LGK 11, LGK 12, LGK 13, LGK 10-13

Switzerland

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

7.3. Specific end use(s)

No additional information available

SECTION 8: Expure controls/personal protection

8.1. Control parameters

8.1.1 National occupational expure and biological limit values

Acetyl Propionyl (600-14-6)	
Germany - Occupational Expure Limits (TRGS 900)	
AGW (OEL TWA)	0.083 mg/m³
	0.02 ppm
Chemical category	Skin notation, Skin sensitization
Slovenia - Occupational Expure Limits	
OEL TWA	0.083 mg/m³
	0.02 ppm
OEL STEL	0.083 mg/m³
	0.02 ppm
OEL chemical category	Potential for cutaneous absorption
Switzerland - Occupational Expure 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 Expure Limits	
OEL TWA	5 mg/m³
Finland - Occupational Expure Limits	
HTP (OEL TWA)	4.4 mg/m³
	1 ppm
HTP (OEL C)	17.4 mg/m³
	4 ppm
Hungary - Occupational Expure Limits	
AK (OEL TWA)	5 mg/m³
CK (OEL STEL)	10 mg/m³
Latvia - Occupational Expure Limits	
OEL TWA	5 mg/m³

benzaldehyde (100-52-7)	
Lithuania - Occupational Expure Limits	
IPRV (OEL TWA)	5 mg/m³
Poland - Occupational Expure Limits	
NDS (OEL TWA)	10 mg/m³
NDSCh (OEL STEL)	40 mg/m³

1,2-Propanediol (57-55-6)	
Croatia - Occupational Expure Limits	
GVI (OEL TWA)	474 mg/m³ (total vapor and particles) 10 mg/m³ (particles)
	150 ppm
Ireland - Occupational Expure 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 Expure Limits	
OEL TWA	7 mg/m³
Lithuania - Occupational Expure Limits	
IPRV (OEL TWA)	7 mg/m³
Poland - Occupational Expure Limits	
NDS (OEL TWA)	100 mg/m³ (vapor and inhalable fraction)
United Kingdom - Occupational Expure 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 Expure Limits	
Grenseverdi (OEL TWA)	79 mg/m³
	25 ppm
Korttidsverdi (OEL STEL)	118.5 mg/m³ (value calculated)
	37.5 ppm (value calculated)

propionic acid … % (79-09-4)	
EU - Indicative Occupational Expure Limit (IOEL)	
IOEL TWA	31 mg/m³
	10 ppm
IOEL STEL	62 mg/m³

propionic acid … % (79-09-4)	
	20 ppm
Austria - Occupational Expure Limits	
MAK (OEL TWA)	31 mg/m³
	10 ppm
MAK (OEL STEL)	62 mg/m³
	20 ppm
Belgium - Occupational Expure Limits	
OEL TWA	31 mg/m³
	10 ppm
OEL STEL	62 mg/m³
	20 ppm
Bulgaria - Occupational Expure Limits	
OEL TWA	31 mg/m³
	10 ppm
OEL STEL	62 mg/m³
	20 ppm
Croatia - Occupational Expure Limits	
GVI (OEL TWA)	31 mg/m³
	10 ppm
KGVI (OEL STEL)	62 mg/m³
	20 ppm
Cyprus - Occupational Expure Limits	
OEL TWA	31 mg/m³
	10 ppm
OEL STEL	62 mg/m³
	20 ppm
Czech Republic - Occupational Expure Limits	
PEL (OEL TWA)	30 mg/m³
Denmark - Occupational Expure Limits	
OEL TWA	31 mg/m³
	10 ppm
OEL STEL	62 mg/m³
	20 ppm
Estonia - Occupational Expure Limits	
OEL TWA	30 mg/m³
	10 ppm
OEL STEL	62 mg/m³
	20 ppm

propionic acid … % (79-09-4)	
Finland - Occupational Expure Limits	
HTP (OEL TWA)	31 mg/m³
	10 ppm
HTP (OEL STEL)	61 mg/m³
	20 ppm
France - Occupational Expure 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 Expure Limits (TRGS 900)	
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 Expure Limits	
OEL TWA	31 mg/m³
	10 ppm
OEL STEL	62 mg/m³
	20 ppm
Greece - Occupational Expure Limits	
OEL TWA	30 mg/m³
	10 ppm
OEL STEL	60 mg/m³
	20 ppm
Hungary - Occupational Expure Limits	
AK (OEL TWA)	31 mg/m³
CK (OEL STEL)	62 mg/m³
Ireland - Occupational Expure Limits	
OEL TWA	31 mg/m³
	10 ppm
OEL STEL	62 mg/m³
	20 ppm
Italy - Occupational Expure Limits	
OEL TWA	31 mg/m³
	10 ppm
OEL STEL	62 mg/m³
	20 ppm
Latvia - Occupational Expure Limits	
OEL TWA	31 mg/m³

propionic acid … % (79-09-4)	
	10 ppm
Lithuania - Occupational Expure Limits	
IPRV (OEL TWA)	31 mg/m³
	10 ppm
TPRV (OEL STEL)	62 mg/m³
	20 ppm
Luxembourg - Occupational Expure Limits	
OEL TWA	31 mg/m³
	10 ppm
OEL STEL	62 mg/m³
	20 ppm
Malta - Occupational Expure Limits	
OEL TWA	31 mg/m³
	10 ppm
OEL STEL	62 mg/m³
	20 ppm
Netherlands - Occupational Expure Limits	
TGG-8u (OEL TWA)	31 mg/m³
	10 ppm
TGG-15min (OEL STEL)	62 mg/m³
	20 ppm
Poland - Occupational Expure Limits	
NDS (OEL TWA)	30 mg/m³
NDSCh (OEL STEL)	45 mg/m³
Portugal - Occupational Expure 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 Expure Limits	
OEL TWA	31 mg/m³
	10 ppm
OEL STEL	62 mg/m³
	20 ppm
Slovakia - Occupational Expure Limits	
NPHV (OEL TWA)	31 mg/m³
	10 ppm
NPHV (OEL C)	62 mg/m³

propionic acid … % (79-09-4)	
Slovenia - Occupational Expure Limits	
OEL TWA	31 mg/m³
	10 ppm
OEL STEL	62 mg/m³
	20 ppm
Spain - Occupational Expure 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 Expure Limits	
NGV (OEL TWA)	30 mg/m³
	10 ppm
KGV (OEL STEL)	62 mg/m³
	20 ppm
United Kingdom - Occupational Expure Limits	
WEL TWA (OEL TWA)	31 mg/m³
	10 ppm
WEL STEL (OEL STEL)	46 mg/m³
	15 ppm
Norway - Occupational Expure Limits	
Grenseverdi (OEL TWA)	30 mg/m³
	10 ppm
Korttidsverdi (OEL STEL)	45 mg/m³ (value calculated)
	20 ppm (value calculated)
Switzerland - Occupational Expure Limits	
MAK (OEL TWA)	30 mg/m³
	10 ppm
KZGW (OEL STEL)	60 mg/m³
	20 ppm
USA - ACGIH - Occupational Expure Limits	
ACGIH OEL TWA	10 ppm

Ethyl benzoate (93-89-0)	
Romania - Occupational Expure Limits	
OEL TWA	200 mg/m³
	33 ppm
OEL STEL	300 mg/m³
	49 ppm

acetophenone (98-86-2)	
Belgium - Occupational Expure Limits	
OEL TWA	50 mg/m³
	10 ppm
Bulgaria - Occupational Expure Limits	
OEL TWA	5 mg/m³
Denmark - Occupational Expure Limits	
OEL TWA	49 mg/m³
	10 ppm
OEL STEL	98 mg/m³
	20 ppm
Finland - Occupational Expure Limits	
HTP (OEL TWA)	25 mg/m³
	5 ppm
Hungary - Occupational Expure Limits	
AK (OEL TWA)	50 mg/m³
Ireland - Occupational Expure Limits	
OEL TWA	49 mg/m³
	10 ppm
OEL STEL	147 mg/m³ (calculated)
	30 ppm (calculated)
Latvia - Occupational Expure Limits	
OEL TWA	5 mg/m³
Lithuania - Occupational Expure Limits	
IPRV (OEL TWA)	5 mg/m³
OEL chemical category	Skin notation
Poland - Occupational Expure Limits	
NDS (OEL TWA)	50 mg/m³
NDSCh (OEL STEL)	100 mg/m³
Portugal - Occupational Expure Limits	
OEL TWA	10 ppm
Romania - Occupational Expure Limits	
OEL TWA	100 mg/m³
	20 ppm
OEL STEL	200 mg/m³
	41 ppm
Spain - Occupational Expure Limits	
VLA-ED (OEL TWA)	50 mg/m³
	10 ppm

acetophenone (98-86-2)	
USA - ACGIH - Occupational Expure Limits	
ACGIH OEL TWA	10 ppm

Alcohol C-10 (112-30-1)	
Bulgaria - Occupational Expure Limits	
OEL TWA	10 mg/m³
Germany - Occupational Expure Limits (TRGS 900)	
AGW (OEL TWA)	66 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)
Latvia - Occupational Expure Limits	
OEL TWA	10 mg/m³
Lithuania - Occupational Expure Limits	
IPRV (OEL TWA)	10 mg/m³
Romania - Occupational Expure Limits	
OEL TWA	100 mg/m³
	15 ppm
OEL STEL	200 mg/m³
	30 ppm
Switzerland - Occupational Expure Limits	
MAK (OEL TWA)	66 mg/m³ (aerol, vapour)
	10 ppm (aerol, vapour)
KZGW (OEL STEL)	66 mg/m³ (aerol, vapour)
	10 ppm (aerol, vapour)

Aldehyde C-6 (66-25-1)	
Finland - Occupational Expure Limits	
HTP (OEL STEL)	42 mg/m³
	10 ppm
Poland - Occupational Expure Limits	
NDS (OEL TWA)	40 mg/m³
NDSCh (OEL STEL)	80 mg/m³

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. Expure controls

8.2.1. Appropriate engineering controls

No additional information available

8.2.2. Personal protection equipment

Personal protective equipment:
Avoid all unnecessary expure.

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

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

8.2.3. Environmental expure controls

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	:	Conforms to standard.
Odour	:	characteristic.
Odour threshold	:	Not available
Melting point	:	Not available
Freezing point	:	Not available
Boiling point	:	Not available
Flammability	:	Non flammable.
Lower explion limit	:	Not available
Upper explion limit	:	Not available
Flash point	:	> 93 °C
Auto-ignition temperature	:	Not available
Decompition temperature	:	Not available
pH	:	Not available
Viscity, kinematic	:	Not available
Solubility	:	Not available
Partition coefficient n-octanol/water (Log Kow)	:	Not available
Vapour pressure	:	Not available
Vapour pressure at 50°C	:	Not available
Density	:	Not available
Relative density	:	Not available
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

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Not established.

10.3. Psibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decompition products

fume. Carbon monoxide. Carbon dioxide.

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

benzyl benzoate (120-51-4)	
LD50 oral rat	> 2000 mg/kg (Source: ECHA_API)
LD50 oral	1160 mg/kg bodyweight
LD50 dermal rabbit	4000 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)

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)

Acetyl Propionyl (600-14-6)	
LD50 oral rat	3 g/kg (Source: NLM_CIP)
LD50 oral	3000 mg/kg

Acetyl Propionyl (600-14-6)	
LD50 dermal rabbit	> 2000 mg/kg (Source: NIH)

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

1,2-Propanediol (57-55-6)	
LD50 oral rat	20 g/kg (Source: NLM_CIP)
LD50 dermal rabbit	20800 mg/kg (Source: NLM_CIP)

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 (Expure time: 1 h Source: ECHA)

Ethyl benzoate (93-89-0)	
LD50 oral rat	2100 mg/kg (Source: NLM_CIP)

acetophenone (98-86-2)	
LD50 oral rat	2081 mg/kg (Source: ECHA_API)
LD50 oral	500 mg/kg bodyweight
LD50 dermal rat	3300 mg/kg (Source: ECHA_API)
LC50 Inhalation - Rat	> 2.13 mg/l (Expure time: 8 h Source: CHEMVIEW)

3(2H)-Furanone, 4-hydroxy-2,5-dimethyl- (3658-77-3)	
LD50 oral	1608 mg/kg bodyweight

Alcohol C-10 (112-30-1)	
LD50 oral rat	4720 mg/kg (Source: NZ_CCID)
LD50 dermal rat	> 5000 mg/kg (Source: ECHA_API)
LC50 Inhalation - Rat	> 71 mg/l (Expure time: 1 h Source: ECHA_API)

Aldehyde C-6 (66-25-1)	
LD50 oral rat	4890 mg/kg (Source: NLM_CIP)
LD50 dermal rabbit	> 8100 mg/kg (Source: ECHA_API)

Skin corrion/irritation : Not classified
Additional information : Based on available data, the classification criteria are not met
Serious eye damage/irritation : Not classified
Additional information : Based on available data, the classification criteria are not met
Respiratory or skin sensitisation : May cause an allergic skin reaction.
Additional information : Based on available data, the classification criteria are not met
Germ cell mutagenicity : Not classified
Additional information : Based on available data, the classification criteria are not met
Carcinogenicity : Not classified
Additional information : Based on available data, the classification criteria are not met
Reproductive toxicity : Not classified

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

STOT-single expure : Not classified

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

propionic acid … % (79-09-4)	
STOT-single expure	May cause respiratory irritation.

STOT-repeated expure : Not classified

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

Acetyl Propionyl (600-14-6)	
STOT-repeated expure	May cause damage to organs through prolonged or repeated expure.

Aspiration hazard : Not classified

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

benzyl benzoate (120-51-4)	
Viscity, kinematic	7.456 mm²/s

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

Hazardous to the aquatic environment, short–term (acute) : Not classified

Hazardous to the aquatic environment, long–term (chronic) : Harmful to aquatic life with long lasting effects.

benzyl benzoate (120-51-4)	
LC50 - Fish [1]	2.32 mg/l (Expure time: 96 h - Species: Danio rerio [semi-static] Source: ECHA)
NOEC (chronic)	0.168 mg/l

Aldehyde C-16 (77-83-8)	
LC50 - Fish [1]	4.2 mg/l (Expure time: 96 h - Species: Oncorhynchus mykiss [semi-static] Source: ECHA)

benzaldehyde (100-52-7)	
LC50 - Fish [1]	10.6 – 11.8 mg/l (Expure time: 96 h - Species: Oncorhynchus mykiss [flow-through] Source: EPA)
LC50 - Fish [2]	12.69 mg/l (Expure time: 96 h - Species: Oncorhynchus mykiss [static] Source: IUCLID)

1,2-Propanediol (57-55-6)	
LC50 - Fish [1]	51600 mg/l (Expure time: 96 h - Species: Oncorhynchus mykiss [static] Source: IUCLID)
LC50 - Fish [2]	41 – 47 ml/l (Expure time: 96 h - Species: Oncorhynchus mykiss [static] Source: EPA)
EC50 - Crustacea [1]	> 1000 mg/l (Expure time: 48 h - Species: Daphnia magna [Static])
EC50 96h - Algae [1]	19000 mg/l (Species: Pseudokirchneriella subcapitata)

propionic acid … % (79-09-4)	
LC50 - Fish [1]	> 1 mg/l (Expure time: 96 h - Species: Pimephales promelas [static] Source: IUCLID)
LC50 - Fish [2]	73 – 99.7 mg/l (Expure time: 96 h - Species: Lepomis macrochirus [static] Source: EPA)

propionic acid … % (79-09-4)	
EC50 72h - Algae [1]	45.8 mg/l (Species: Desmodesmus subspicatus)
EC50 96h - Algae [1]	43 mg/l (Species: Desmodesmus subspicatus)

Ethyl benzoate (93-89-0)	
LC50 - Fish [1]	6.7 mg/l (Expure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA)

acetophenone (98-86-2)	
LC50 - Fish [1]	162 mg/l (Expure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA)
LC50 - Fish [2]	155 mg/l (Expure time: 96 h - Species: Pimephales promelas [static] Source: EPA)

Alcohol C-10 (112-30-1)	
LC50 - Fish [1]	2.2 – 2.5 mg/l (Expure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA)
LC50 - Fish [2]	4.12 – 6.2 mg/l (Expure time: 96 h - Species: Lepomis macrochirus [static] Source: EPA)
EC50 - Crustacea [1]	3 mg/l (Expure time: 48 h - Species: Daphnia magna)

Aldehyde C-6 (66-25-1)	
LC50 - Fish [1]	12 – 16.5 mg/l (Expure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA)

12.2. Persistence and degradability

STRAWBERRY SHORTCAKE CC-13089 25% in DPG	
Persistence and degradability	Not established.

benzyl benzoate (120-51-4)	
Persistence and degradability	May cause long-term adverse effects in the environment.

Aldehyde C-16 (77-83-8)	
Persistence and degradability	Rapidly degradable

Cinnamic aldehyde (104-55-2)	
Persistence and degradability	Rapidly degradable

Acetyl Propionyl (600-14-6)	
Persistence and degradability	Rapidly degradable

benzaldehyde (100-52-7)	
Persistence and degradability	Rapidly degradable

1,2-Propanediol (57-55-6)	
Persistence and degradability	Rapidly degradable

propionic acid … % (79-09-4)	
Persistence and degradability	Rapidly degradable

Ethyl benzoate (93-89-0)	
Persistence and degradability	Rapidly degradable

acetophenone (98-86-2)	
Persistence and degradability	Rapidly degradable

3(2H)-Furanone, 4-hydroxy-2,5-dimethyl- (3658-77-3)	
Persistence and degradability	Rapidly degradable

Alcohol C-10 (112-30-1)	
Persistence and degradability	Rapidly degradable

Aldehyde C-6 (66-25-1)	
Persistence and degradability	Rapidly degradable

12.3. Bioaccumulative potential

STRAWBERRY SHORTCAKE CC-13089 25% in DPG	
Bioaccumulative potential	Not established.

benzyl benzoate (120-51-4)	
Partition coefficient n-octanol/water (Log Pow)	3.97 (at 25 °C)
Bioaccumulative potential	Not established.

Aldehyde C-16 (77-83-8)	
Partition coefficient n-octanol/water (Log Pow)	2.4 (at 25 °C (cis isomer)

Cinnamic aldehyde (104-55-2)	
Partition coefficient n-octanol/water (Log Pow)	2.1065 (at 25 °C)

benzaldehyde (100-52-7)	
BCF - Fish [1]	(no significant bioaccumulation)
Partition coefficient n-octanol/water (Log Pow)	1.4 (at 25 °C)

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)

propionic acid … % (79-09-4)	
Partition coefficient n-octanol/water (Log Pow)	0.25 – 0.33

Ethyl benzoate (93-89-0)	
Partition coefficient n-octanol/water (Log Pow)	2.59 (at 22.8 °C (at pH 6-7)

acetophenone (98-86-2)	
Partition coefficient n-octanol/water (Log Pow)	1.63 – 1.65

3(2H)-Furanone, 4-hydroxy-2,5-dimethyl- (3658-77-3)	
Partition coefficient n-octanol/water (Log Pow)	0.95 (at 20 °C (at pH 2.5)

Alcohol C-10 (112-30-1)	
Partition coefficient n-octanol/water (Log Pow)	4.5 (at 25 °C (at pH 6)

Aldehyde C-6 (66-25-1)	
Partition coefficient n-octanol/water (Log Pow)	2.3 (at 25 °C (at pH 5)

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: Dispal considerations

13.1. Waste treatment methods

Product/Packaging dispal recommendations : Dispe in a safe manner in accordance with local/national regulations.

Ecological information : Avoid release to the environment.

HP Code : 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

ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID number				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(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 hazards				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available				

14.6. Special precautions for user

Overland transport

Not applicable

Transport by sea

Not applicable

Air transport

Not applicable

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)	Acetyl Propionyl ; propionic acid … % ; Aldehyde C-6	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
3(b)	STRAWBERRY SHORTCAKE CC-13089 25% in DPG ; benzyl benzoate ; Aldehyde C-16 ; Cinnamic aldehyde ; Acetyl Propionyl ; benzaldehyde ; propionic acid … % ; acetophenone ; 3(2H)-Furanone, 4-hydroxy-2,5-dimethyl-	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)	STRAWBERRY SHORTCAKE CC-13089 25% in DPG ; benzyl benzoate ; Aldehyde C-16 ; Cinnamic aldehyde ; Alcohol C-10	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.	Acetyl Propionyl ; propionic acid … % ; Aldehyde C-6	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

Explives Precursors Regulation (2019/1148)

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

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

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.
Hazardous Incident Ordinance (12. BImSchV) : Is not subject to the Hazardous Incident Ordinance (12. BImSchV)

Netherlands

ABM category : A(2) - toxic for aquatic organisms, may have longterm hazardous effects in aquatic environment
SZW-lijst van kankerverwekkende stoffen : None of the components are listed
SZW-lijst van mutagene stoffen : None of the components are listed
SZW-lijst van reprotoxische stoffen – Borstvoeding : None of the components are listed
SZW-lijst van reprotoxische stoffen – Vruchtbaarheid : None of the components are listed
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

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 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment – Acute 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

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.
H335	May cause respiratory irritation.
H373	May cause damage to organs through prolonged or repeated expure.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
Skin Corr. 1B	Skin corrion/irritation, Category 1, Sub-Category 1B
Skin Irrit. 2	Skin corrion/irritation, Category 2
Skin Sens. 1A	Skin sensitisation, category 1A
Skin Sens. 1B	Skin sensitisation, category 1B
STOT RE 2	Specific target organ toxicity – Repeated expure, Category 2
STOT SE 3	Specific target organ toxicity – Single expure, 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 purpes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.