CAFE AU LAIT CC-16464 10% 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	:	CAFE AU LAIT CC-16464 10% in DPG
Product code	:	CC-16464_10%
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

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	:	Benzyl salicylate; Linalool; Cinnamic aldehyde; 3(2H)-Furanone, 4-hydroxy-2,5-dimethyl-
Hazard statements (CLP)	:	H317 - May cause an allergic skin reaction.
Precautionary statements (CLP)	:	P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P272 - Contaminated work clothing should not be allowed out of the workplace. 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). P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.

Extra phrases : Restricted to professional users.
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]
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	0.25 – 0.5	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319
Benzyl salicylate	CAS-No.: 118-58-1 EC-No.: 204-262-9 EC Index-No.: 607-754-00-5 REACH-no: 01-2119969442-31	0.2 – 0.4	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	0.05 – 0.108	Not classified
Linalool	CAS-No.: 78-70-6 EC-No.: 201-134-4 EC Index-No.: 603-235-00-2 REACH-no: 01-2119474016-42	0.05 – 0.1	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317
Cinnamic aldehyde	CAS-No.: 104-55-2 EC-No.: 203-213-9 REACH-no: 01-2119935242-45	0.05 – 0.1	Acute Tox. 4 (Dermal), H312 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1A, H317 Aquatic Chronic 3, H412
3(2H)-Furanone, 4-hydroxy-2,5-dimethyl-	CAS-No.: 3658-77-3 EC-No.: 222-908-8	0.0101808 – 0.027339	Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Eye Irrit. 2, H319 Skin Sens. 1A, H317
ethyl lactate; ethyl DL-lactate substance with national workplace exposure limit(s) (FI, LT, SE)	CAS-No.: 97-64-3 EC-No.: 202-598-0 EC Index-No.: 607-129-00-7	0.01 – 0.01	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
acetic 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.: 64-19-7 EC-No.: 200-580-7 EC Index-No.: 607-002-00-6	0 – 0.005	Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Skin Corr. 1A, H314
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: 01-2119455540-44	0 – 0.004	Acute Tox. 4 (Oral), H302
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 – 0.002	Flam. Liq. 3, H226 Skin Corr. 1B, H314 STOT SE 3, H335
Acetyl Propionyl substance with national workplace exposure limit(s) (DE, SI, CH)	CAS-No.: 600-14-6 EC-No.: 209-984-8	0.0003352 – 0.0006285	Flam. Liq. 2, H225 Eye Dam. 1, H318 Skin Sens. 1B, H317 STOT RE 2, H373
ethanol; ethyl alcohol substance with national workplace exposure limit(s) (AT, BE, BG, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, LT, LV, NL, PL, PT, RO, SE, SI, SK, NO, CH)	CAS-No.: 64-17-5 EC-No.: 200-578-6 EC Index-No.: 603-002-00-5	0.000240392 – 0.000450735	Flam. Liq. 2, H225
2-furaldehyde substance with national workplace exposure limit(s) (AT, BE, BG, CZ, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, LT, LV, PL, PT, RO, SE, SK, NO, CH)	CAS-No.: 98-01-1 EC-No.: 202-627-7 EC Index-No.: 605-010-00-4	0.0002 – 0.000425	Flam. Liq. 3, H226 Acute Tox. 3 (Oral), H301 Acute Tox. 4 (Dermal), H312 Acute Tox. 3 (Inhalation), H331 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Carc. 2, H351 STOT SE 3, H335 Aquatic Chronic 3, H412
pyridine substance with national workplace exposure limit(s) (AT, BE, BG, CY, CZ, DK, EE, ES, FI, FR, GB, GI, GR, HR, HU, IE, LT, LU, LV, MT, NL, PL, PT, RO, SE, SI, SK, NO, CH, TR); substance with a Community workplace exposure limit	CAS-No.: 110-86-1 EC-No.: 203-809-9 EC Index-No.: 613-002-00-7	0.0000082 – 0.000015375	Flam. Liq. 2, H225 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Inhalation:dust,mist), H332
2,6-xylenol substance with national workplace exposure limit(s) (LV, RO)	CAS-No.: 576-26-1 EC-No.: 209-400-1 EC Index-No.: 604-006-00-X	0.0000066 – 0.000012375	Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Skin Corr. 1B, H314 Eye Dam. 1, H318 Aquatic Chronic 2, H411
Isovaleraldehyde substance with national workplace exposure limit(s) (AT, DE, LT, SI)	CAS-No.: 590-86-3 EC-No.: 209-691-5	0.000005 – 0.000009375	Flam. Liq. 2, H225 Eye Irrit. 2, H319 Skin Sens. 1B, H317 STOT SE 3, H335 Aquatic Chronic 2, H411

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
acetaldehyde; ethanal substance with national workplace exposure limit(s) (AT, BE, BG, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, LT, LV, NL, PL, PT, RO, SE, SI, SK, NO, CH)	CAS-No.: 75-07-0 EC-No.: 200-836-8 EC Index-No.: 605-003-00-6	0.000002 – 0.00000375	Flam. Liq. 1, H224 Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319 Muta. 2, H341 Carc. 1B, H350 STOT SE 3, H335

Specific concentration limits:		
Name	**Product identifier**	**Specific concentration limits (%)**
acetic acid … %	CAS-No.: 64-19-7 EC-No.: 200-580-7 EC Index-No.: 607-002-00-6	(10 ≤ C < 25) Eye Irrit. 2, H319 (10 ≤ C < 25) Skin Irrit. 2, H315 (25 ≤ C < 90) Skin Corr. 1B, H314 (90 ≤ C < 100) Skin Corr. 1A, H314
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 possible).

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 exposed skin area with mild soap and water, followed by warm water rinse.

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

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

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

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

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 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

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 possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Section 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

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

7.2. Conditions for safe storage, including any incompatibilities

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

Incompatible 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: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

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 900)	
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

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

1,2-Propanediol (57-55-6)	
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)

acetaldehyde; ethanal (75-07-0)	
Austria - Occupational Exposure Limits	
MAK (OEL TWA)	90 mg/m³
	50 ppm
MAK (OEL STEL)	90 mg/m³
	50 ppm
OEL C	90 mg/m³
	50 ppm
OEL chemical category	Group B Carcinogen
Belgium - Occupational Exposure Limits	
OEL TWA	25 ppm
Bulgaria - Occupational Exposure Limits	
OEL TWA	30 mg/m³
OEL STEL	200 mg/m³

acetaldehyde; ethanal (75-07-0)	
Croatia - Occupational Exposure Limits	
GVI (OEL TWA)	37 mg/m³
	20 ppm
KGVI (OEL STEL)	92 mg/m³
	50 ppm
Czech Republic - Occupational Exposure Limits	
PEL (OEL TWA)	50 mg/m³
Denmark - Occupational Exposure Limits	
OEL C	45 mg/m³
	25 ppm
Estonia - Occupational Exposure Limits	
OEL TWA	45 mg/m³
	25 ppm
OEL STEL	90 mg/m³
	50 ppm
OEL chemical category	Carcinogenic substance
Finland - Occupational Exposure Limits	
HTP (OEL STEL)	46 mg/m³
	25 ppm
France - Occupational Exposure Limits	
VME (OEL TWA)	180 mg/m³
	100 ppm
OEL chemical category	Carcinogen category 1B, Mutagen category 2
Germany - Occupational Exposure Limits (TRGS 900)	
AGW (OEL TWA)	91 mg/m³ (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
	50 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Greece - Occupational Exposure Limits	
OEL TWA	180 mg/m³
	100 ppm
OEL STEL	270 mg/m³
	150 ppm
Hungary - Occupational Exposure Limits	
AK (OEL TWA)	45 mg/m³
CK (OEL STEL)	45 mg/m³
Ireland - Occupational Exposure Limits	
OEL STEL	45 mg/m³
	25 ppm

acetaldehyde; ethanal (75-07-0)	
Latvia - Occupational Exposure Limits	
OEL TWA	5 mg/m³
Lithuania - Occupational Exposure Limits	
IPRV (OEL TWA)	45 mg/m³
	25 ppm
TPRV (OEL STEL)	90 mg/m³
	50 ppm
OEL chemical category	Carcinogen
Netherlands - Occupational Exposure Limits	
TGG-8u (OEL TWA)	37 mg/m³
	20 ppm
TGG-15min (OEL STEL)	92 mg/m³
	50 ppm
Poland - Occupational Exposure Limits	
NDSP (OEL C)	45 mg/m³
Portugal - Occupational Exposure Limits	
OEL C	25 ppm
OEL chemical category	A2 - Suspected Human Carcinogen
Romania - Occupational Exposure Limits	
OEL TWA	90 mg/m³
	50 ppm
OEL STEL	180 mg/m³
	100 ppm
Slovakia - Occupational Exposure Limits	
NPHV (OEL TWA)	91 mg/m³
	50 ppm
Slovenia - Occupational Exposure Limits	
OEL TWA	91 mg/m³
	50 ppm
OEL STEL	91 mg/m³
	50 ppm
OEL chemical category	Category 2
Spain - Occupational Exposure Limits	
VLA-EC (OEL STEL)	46 mg/m³
	25 ppm
OEL chemical category	C1B
Sweden - Occupational Exposure Limits	
NGV (OEL TWA)	45 mg/m³
	25 ppm

acetaldehyde; ethanal (75-07-0)	
KGV (OEL STEL)	90 mg/m³
	50 ppm
OEL chemical category	Carcinogen
United Kingdom - Occupational Exposure Limits	
WEL TWA (OEL TWA)	37 mg/m³
	20 ppm
WEL STEL (OEL STEL)	92 mg/m³
	50 ppm
WEL chemical category	Capable of causing cancer and/or heritable genetic damage
Norway - Occupational Exposure Limits	
Grenseverdi (OEL TWA)	45 mg/m³
	25 ppm
Korttidsverdi (OEL STEL)	67.5 mg/m³ (value calculated)
	37.5 ppm (value calculated)
OEL chemical category	Carcinogen
Switzerland - Occupational Exposure Limits	
MAK (OEL TWA)	90 mg/m³
	50 ppm
KZGW (OEL STEL)	90 mg/m³
	50 ppm
OEL chemical category	Category C2 carcinogen
USA - ACGIH - Occupational Exposure Limits	
ACGIH OEL C	25 ppm
ACGIH chemical category	Suspected Human Carcinogen

ethanol; ethyl alcohol (64-17-5)	
Austria - Occupational Exposure Limits	
MAK (OEL TWA)	1900 mg/m³
	1000 ppm
MAK (OEL STEL)	3800 mg/m³
	2000 ppm
Belgium - Occupational Exposure Limits	
OEL TWA	1907 mg/m³
	1000 ppm
Bulgaria - Occupational Exposure Limits	
OEL TWA	1000 mg/m³
Croatia - Occupational Exposure Limits	
GVI (OEL TWA)	1900 mg/m³
	1000 ppm

ethanol; ethyl alcohol (64-17-5)	
Czech Republic - Occupational Exposure Limits	
PEL (OEL TWA)	1000 mg/m³
Denmark - Occupational Exposure Limits	
OEL TWA	1900 mg/m³
	1000 ppm
OEL STEL	3800 mg/m³
	2000 ppm
Estonia - Occupational Exposure Limits	
OEL TWA	1000 mg/m³
	500 ppm
OEL STEL	1900 mg/m³
	1000 ppm
Finland - Occupational Exposure Limits	
HTP (OEL TWA)	1900 mg/m³
	1000 ppm
HTP (OEL STEL)	2500 mg/m³
	1300 ppm
France - Occupational Exposure Limits	
VME (OEL TWA)	1900 mg/m³
	1000 ppm
VLE (OEL C/STEL)	9500 mg/m³
	5000 ppm
Germany - Occupational Exposure Limits (TRGS 900)	
AGW (OEL TWA)	380 mg/m³ (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
	200 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Greece - Occupational Exposure Limits	
OEL TWA	1900 mg/m³
	1000 ppm
Hungary - Occupational Exposure Limits	
AK (OEL TWA)	1900 mg/m³
CK (OEL STEL)	3800 mg/m³
Ireland - Occupational Exposure Limits	
OEL STEL	1000 ppm
Latvia - Occupational Exposure Limits	
OEL TWA	1000 mg/m³
Lithuania - Occupational Exposure Limits	
IPRV (OEL TWA)	1000 mg/m³
	500 ppm

ethanol; ethyl alcohol (64-17-5)	
TPRV (OEL STEL)	1900 mg/m³
	1000 ppm
Netherlands - Occupational Exposure Limits	
TGG-8u (OEL TWA)	260 mg/m³
	137 ppm
TGG-15min (OEL STEL)	1900 mg/m³
	1000 ppm
MAC chemical category	Skin notation
Poland - Occupational Exposure Limits	
NDS (OEL TWA)	1900 mg/m³
Portugal - Occupational Exposure Limits	
OEL STEL	1000 ppm
OEL chemical category	A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans
Romania - Occupational Exposure Limits	
OEL TWA	1900 mg/m³
	1000 ppm
OEL STEL	9500 mg/m³
	5000 ppm
Slovakia - Occupational Exposure Limits	
NPHV (OEL TWA)	960 mg/m³
	500 ppm
NPHV (OEL C)	1920 mg/m³
Slovenia - Occupational Exposure Limits	
OEL TWA	960 mg/m³
	500 ppm
OEL STEL	1920 mg/m³
	1000 ppm
Spain - Occupational Exposure Limits	
VLA-EC (OEL STEL)	1910 mg/m³
	1000 ppm
Sweden - Occupational Exposure Limits	
NGV (OEL TWA)	1000 mg/m³
	500 ppm
KGV (OEL STEL)	1900 mg/m³
	1000 ppm
United Kingdom - Occupational Exposure Limits	
WEL TWA (OEL TWA)	1920 mg/m³
	1000 ppm
WEL STEL (OEL STEL)	5760 mg/m³ (calculated)

ethanol; ethyl alcohol (64-17-5)	
	3000 ppm (calculated)
Norway - Occupational Exposure Limits	
Grenseverdi (OEL TWA)	950 mg/m³
	500 ppm
Korttidsverdi (OEL STEL)	1187.5 mg/m³ (value calculated)
	625 ppm (value calculated)
Switzerland - Occupational Exposure Limits	
MAK (OEL TWA)	960 mg/m³
	500 ppm
KZGW (OEL STEL)	1920 mg/m³
	1000 ppm
USA - ACGIH - Occupational Exposure Limits	
ACGIH OEL STEL	1000 ppm
ACGIH chemical category	Confirmed Animal Carcinogen with Unknown Relevance to Humans

Acetyl Propionyl (600-14-6)	
Germany - Occupational Exposure Limits (TRGS 900)	
AGW (OEL TWA)	0.083 mg/m³
	0.02 ppm
Chemical category	Skin notation, Skin sensitization
Slovenia - Occupational Exposure 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 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

2-furaldehyde (98-01-1)	
Austria - Occupational Exposure Limits	
MAK (OEL TWA)	20 mg/m³
	5 ppm
OEL chemical category	Skin notation, Group B Carcinogen
Belgium - Occupational Exposure Limits	
OEL TWA	8 mg/m³

2-furaldehyde (98-01-1)	
	2 ppm
OEL chemical category	Skin
Bulgaria - Occupational Exposure Limits	
OEL TWA	10 mg/m³ (Furfurol)
Croatia - Occupational Exposure Limits	
GVI (OEL TWA)	8 mg/m³
	2 ppm
KGVI (OEL STEL)	20 mg/m³
	5 ppm
OEL chemical category	Skin notation
Czech Republic - Occupational Exposure Limits	
PEL (OEL TWA)	10 mg/m³
OEL chemical category	Potential for cutaneous absorption
Denmark - Occupational Exposure Limits	
OEL TWA	7.9 mg/m³
	2 ppm
OEL STEL	15.8 mg/m³
	4 ppm
OEL chemical category	Potential for cutaneous absorption
Estonia - Occupational Exposure Limits	
OEL TWA	8 mg/m³
	2 ppm
OEL STEL	20 mg/m³
	5 ppm
OEL chemical category	Skin notation
Finland - Occupational Exposure Limits	
HTP (OEL TWA)	8 mg/m³
	2 ppm
HTP (OEL STEL)	20 mg/m³
	5 ppm
OEL chemical category	Potential for cutaneous absorption
France - Occupational Exposure Limits	
VLE (OEL C/STEL)	8 mg/m³
	2 ppm
OEL chemical category	Carcinogen category 2
France - Biological limit values	
BLV	Parameter: Total furoic acid - Medium: urine - Sampling time: end of shift (per the Authority, the values for this substance must be decided and/or determined on a case by case basis. Guidance for the calculation of and interpretation of values is provided in the source)

2-furaldehyde (98-01-1)	
Greece - Occupational Exposure Limits	
OEL TWA	20 mg/m³
	5 ppm
OEL STEL	40 mg/m³
	10 ppm
OEL chemical category	skin - potential for cutaneous absorption
Hungary - Occupational Exposure Limits	
AK (OEL TWA)	8 mg/m³
CK (OEL STEL)	20 mg/m³
OEL chemical category	Sensitizer, Potential for cutaneous absorption
Ireland - Occupational Exposure Limits	
OEL TWA	8 mg/m³
	2 ppm
OEL STEL	20 mg/m³
	5 ppm
OEL chemical category	Potential for cutaneous absorption
Latvia - Occupational Exposure Limits	
OEL TWA	10 mg/m³
Lithuania - Occupational Exposure Limits	
IPRV (OEL TWA)	8 mg/m³
	2 ppm
TPRV (OEL STEL)	20 mg/m³
	5 ppm
OEL chemical category	Carcinogen, Skin notation
Poland - Occupational Exposure Limits	
NDS (OEL TWA)	10 mg/m³
NDSCh (OEL STEL)	25 mg/m³
Portugal - Occupational Exposure Limits	
OEL TWA	2 ppm
OEL chemical category	A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans, skin - potential for cutaneous exposure
Romania - Occupational Exposure Limits	
OEL TWA	10 mg/m³
	2.5 ppm
OEL STEL	15 mg/m³
	4 ppm
OEL chemical category	C2
Slovakia - Occupational Exposure Limits	
NPHV (OEL TWA)	7.9 mg/m³

2-furaldehyde (98-01-1)	
	2 ppm
OEL chemical category	Potential for cutaneous absorption
Spain - Occupational Exposure Limits	
VLA-ED (OEL TWA)	8 mg/m³
	2 ppm
OEL chemical category	skin - potential for cutaneous absorption
Spain - Biological limit values	
BLV	200 mg/l Parameter: Furoic acid - Medium: urine - Sampling time: end of shift (with hydrolysis)
Sweden - Occupational Exposure Limits	
NGV (OEL TWA)	8 mg/m³
	2 ppm
KGV (OEL STEL)	20 mg/m³
	5 ppm
OEL chemical category	Skin notation
United Kingdom - Occupational Exposure Limits	
WEL TWA (OEL TWA)	8 mg/m³
	2 ppm
WEL STEL (OEL STEL)	20 mg/m³
	5 ppm
WEL chemical category	Potential for cutaneous absorption
Norway - Occupational Exposure Limits	
Grenseverdi (OEL TWA)	8 mg/m³
	2 ppm
Korttidsverdi (OEL STEL)	16 mg/m³ (value calculated)
	4 ppm (value calculated)
OEL chemical category	Skin notation
Switzerland - Occupational Exposure Limits	
MAK (OEL TWA)	8 mg/m³
	2 ppm
OEL chemical category	Skin notation
USA - ACGIH - Occupational Exposure Limits	
ACGIH OEL TWA	0.2 ppm
ACGIH chemical category	Confirmed Animal Carcinogen with Unknown Relevance to Humans, Skin - potential significant contribution to overall exposure by the cutaneous route
USA - ACGIH - Biological Exposure Indices	
BEI	200 mg/l Parameter: Furoic acid with hydrolysis - Medium: urine - Sampling time: end of shift (nonspecific)

Isovaleraldehyde (590-86-3)	
Austria - Occupational Exposure Limits	
MAK (OEL TWA)	39 mg/m³
	10 ppm
MAK (OEL STEL)	39 mg/m³
	10 ppm
OEL C	39 mg/m³
	10 ppm
Germany - Occupational Exposure Limits (TRGS 900)	
AGW (OEL TWA)	39 mg/m³
	10 ppm
Lithuania - Occupational Exposure Limits	
IPRV (OEL TWA)	10 mg/m³
Slovenia - Occupational Exposure Limits	
OEL TWA	39 mg/m³
	10 ppm
OEL STEL	39 mg/m³
	10 ppm

pyridine (110-86-1)	
EU - Indicative Occupational Exposure Limit (IOEL)	
IOEL TWA	15 mg/m³ (existing scientific data on health effects appear to be particularly limited)
	5 ppm (existing scientific data on health effects appear to be particularly limited)
Austria - Occupational Exposure Limits	
MAK (OEL TWA)	15 mg/m³
	5 ppm
MAK (OEL STEL)	60 mg/m³
	20 ppm
OEL chemical category	Skin notation
Belgium - Occupational Exposure Limits	
OEL TWA	3.3 mg/m³
	1 ppm
Bulgaria - Occupational Exposure Limits	
OEL TWA	15 mg/m³
Croatia - Occupational Exposure Limits	
GVI (OEL TWA)	15 mg/m³
	5 ppm
Cyprus - Occupational Exposure Limits	
OEL TWA	15 mg/m³
	5 ppm

pyridine (110-86-1)	
Czech Republic - Occupational Exposure Limits	
PEL (OEL TWA)	5 mg/m³
OEL chemical category	Potential for cutaneous absorption
Denmark - Occupational Exposure Limits	
OEL TWA	15 mg/m³
	5 ppm
OEL STEL	30 mg/m³
	10 ppm
Estonia - Occupational Exposure Limits	
OEL TWA	15 mg/m³
	5 ppm
Finland - Occupational Exposure Limits	
HTP (OEL TWA)	3 mg/m³
	1 ppm
HTP (OEL STEL)	16 mg/m³
	5 ppm
OEL chemical category	Potential for cutaneous absorption
France - Occupational Exposure Limits	
VME (OEL TWA)	15 mg/m³
	5 ppm
VLE (OEL C/STEL)	30 mg/m³
	10 ppm
Gibraltar - Occupational Exposure Limits	
OEL TWA	15 mg/m³ (existing scientific data on health effects appear to be particularly limited)
	5 ppm (existing scientific data on health effects appear to be particularly limited)
Greece - Occupational Exposure Limits	
OEL TWA	15 mg/m³
	5 ppm
OEL STEL	30 mg/m³
	10 ppm
Hungary - Occupational Exposure Limits	
AK (OEL TWA)	15 mg/m³
CK (OEL STEL)	30 mg/m³
OEL chemical category	Sensitizer, Potential for cutaneous absorption
Ireland - Occupational Exposure Limits	
OEL TWA	15 mg/m³
	5 ppm
OEL STEL	30 mg/m³
	10 ppm (total resin acid-airborne)

pyridine (110-86-1)	
Latvia - Occupational Exposure Limits	
OEL TWA	15 mg/m³
	5 ppm
Lithuania - Occupational Exposure Limits	
IPRV (OEL TWA)	15 mg/m³
	5 ppm
Luxembourg - Occupational Exposure Limits	
OEL TWA	15 mg/m³
	5 ppm
Malta - Occupational Exposure Limits	
OEL TWA	15 mg/m³
	5 ppm
Netherlands - Occupational Exposure Limits	
TGG-8u (OEL TWA)	0.9 mg/m³
	0.3 ppm
Poland - Occupational Exposure Limits	
NDS (OEL TWA)	5 mg/m³
Portugal - Occupational Exposure Limits	
OEL TWA	15 mg/m³ (indicative limit value)
	5 ppm (indicative limit value)
OEL chemical category	A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans
Romania - Occupational Exposure Limits	
OEL TWA	15 mg/m³
	5 ppm
Slovakia - Occupational Exposure Limits	
NPHV (OEL TWA)	15 mg/m³
	5 ppm
Slovenia - Occupational Exposure Limits	
OEL TWA	15 mg/m³
	5 ppm
Spain - Occupational Exposure Limits	
VLA-ED (OEL TWA)	3 mg/m³
	1 ppm
Sweden - Occupational Exposure Limits	
NGV (OEL TWA)	7 mg/m³
	2 ppm
KGV (OEL STEL)	10 mg/m³
	3 ppm

pyridine (110-86-1)	
United Kingdom - Occupational Exposure Limits	
WEL TWA (OEL TWA)	16 mg/m³
	5 ppm
WEL STEL (OEL STEL)	33 mg/m³
	10 ppm
Norway - Occupational Exposure Limits	
Grenseverdi (OEL TWA)	15 mg/m³
	5 ppm
Korttidsverdi (OEL STEL)	22.5 mg/m³ (value calculated)
	10 ppm (value calculated)
Switzerland - Occupational Exposure Limits	
MAK (OEL TWA)	15 mg/m³
	5 ppm
KZGW (OEL STEL)	30 mg/m³
	10 ppm
USA - ACGIH - Occupational Exposure Limits	
ACGIH OEL TWA	1 ppm
ACGIH chemical category	Confirmed Animal Carcinogen with Unknown Relevance to Humans

2,6-xylenol (576-26-1)	
Latvia - Occupational Exposure Limits	
OEL TWA	2 mg/m³
Romania - Occupational Exposure Limits	
OEL TWA	15 mg/m³
OEL STEL	20 mg/m³
USA - ACGIH - Occupational Exposure Limits	
ACGIH OEL TWA	1 ppm (inhalable fraction and vapor)
ACGIH chemical category	Confirmed Animal Carcinogen with Unknown Relevance to Humans, dermal sensitizer

ethyl lactate; ethyl DL-lactate (97-64-3)	
Finland - Occupational Exposure Limits	
HTP (OEL TWA)	25 mg/m³
	5 ppm
HTP (OEL STEL)	49 mg/m³
	10 ppm
Lithuania - Occupational Exposure Limits	
IPRV (OEL TWA)	25 mg/m³
	5 ppm
TPRV (OEL STEL)	50 mg/m³
	10 ppm

ethyl lactate; ethyl DL-lactate (97-64-3)	
Sweden - Occupational Exposure Limits	
NGV (OEL TWA)	25 mg/m³ (same limit value expressed in ppm shall be applied for those lactates for which no limit values have been defined)
	5 ppm (same limit value expressed in ppm shall be applied for those lactates for which no limit values have been defined)
KGV (OEL STEL)	50 mg/m³ (same limit value expressed in ppm shall be applied for those lactates for which no limit values have been defined)
	10 ppm (same limit value expressed in ppm shall be applied for those lactates for which no limit values have been defined)

acetic acid … % (64-19-7)	
EU - Indicative Occupational Exposure Limit (IOEL)	
IOEL TWA	25 mg/m³
	10 ppm
IOEL STEL	50 mg/m³
	20 ppm
Austria - Occupational Exposure Limits	
MAK (OEL TWA)	25 mg/m³
	10 ppm
MAK (OEL STEL)	50 mg/m³
	20 ppm
Belgium - Occupational Exposure Limits	
OEL TWA	25 mg/m³
	10 ppm
OEL STEL	38 mg/m³
	15 ppm
Bulgaria - Occupational Exposure Limits	
OEL TWA	25 mg/m³
	10 ppm
OEL STEL	50 mg/m³
	20 ppm
Croatia - Occupational Exposure Limits	
GVI (OEL TWA)	25 mg/m³
	10 ppm
KGVI (OEL STEL)	50 mg/m³
	20 ppm
Cyprus - Occupational Exposure Limits	
OEL TWA	25 mg/m³
	10 ppm
OEL STEL	50 mg/m³
	20 ppm

acetic acid … % (64-19-7)	
Czech Republic - Occupational Exposure Limits	
PEL (OEL TWA)	25 mg/m³
Denmark - Occupational Exposure Limits	
OEL TWA	25 mg/m³
	10 ppm
OEL STEL	50 mg/m³
	20 ppm
Estonia - Occupational Exposure Limits	
OEL TWA	25 mg/m³
	10 ppm
OEL STEL	25 mg/m³
	10 ppm
Finland - Occupational Exposure Limits	
HTP (OEL TWA)	13 mg/m³
	5 ppm
HTP (OEL STEL)	25 mg/m³
	10 ppm
France - Occupational Exposure Limits	
VME (OEL TWA)	25 mg/m³ (restrictive limit)
	10 ppm (restrictive limit)
VLE (OEL C/STEL)	50 mg/m³ (indicative limit)
	20 ppm (indicative limit)
Germany - Occupational Exposure Limits (TRGS 900)	
AGW (OEL TWA)	25 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	25 mg/m³
	10 ppm
OEL STEL	50 mg/m³
	20 ppm
Greece - Occupational Exposure Limits	
OEL TWA	25 mg/m³
	10 ppm
OEL STEL	37 mg/m³
	15 ppm
Hungary - Occupational Exposure Limits	
AK (OEL TWA)	25 mg/m³
CK (OEL STEL)	50 mg/m³

acetic acid … % (64-19-7)	
Ireland - Occupational Exposure Limits	
OEL TWA	50 mg/m³
	20 ppm
OEL STEL	50 mg/m³
	20 ppm
Italy - Occupational Exposure Limits	
OEL TWA	10 mg/m³
	25 ppm
OEL STEL	50 mg/m³
	20 ppm
Latvia - Occupational Exposure Limits	
OEL TWA	25 mg/m³
	10 ppm
Lithuania - Occupational Exposure Limits	
IPRV (OEL TWA)	25 mg/m³
	10 ppm
TPRV (OEL STEL)	50 mg/m³
	20 ppm
Luxembourg - Occupational Exposure Limits	
OEL TWA	25 mg/m³
	10 ppm
OEL STEL	50 mg/m³
	20 ppm
Malta - Occupational Exposure Limits	
OEL TWA	25 mg/m³
	10 ppm
OEL STEL	50 mg/m³
	20 ppm
Netherlands - Occupational Exposure Limits	
TGG-8u (OEL TWA)	25 mg/m³
	10 ppm
TGG-15min (OEL STEL)	50 mg/m³
	20 ppm
Poland - Occupational Exposure Limits	
NDS (OEL TWA)	25 mg/m³
NDSCh (OEL STEL)	50 mg/m³
Portugal - Occupational Exposure Limits	
OEL TWA	25 mg/m³ (indicative limit value)
	10 ppm (indicative limit value)

acetic acid … % (64-19-7)	
OEL STEL	50 mg/m³ (indicative limit value)
	20 ppm (indicative limit value)
Romania - Occupational Exposure Limits	
OEL TWA	25 mg/m³ (for gaseous or vapor phase chemicals, the limit value is expressed at 20°C and 101.3 kPa)
	10 ppm
OEL STEL	50 mg/m³ (for gaseous or vapor phase chemicals, the limit value is expressed at 20°C and 101.3 kPa)
	20 ppm
Slovakia - Occupational Exposure Limits	
NPHV (OEL TWA)	25 mg/m³
	10 ppm
NPHV (OEL C)	50 mg/m³
Slovenia - Occupational Exposure Limits	
OEL TWA	25 mg/m³
	10 ppm
OEL STEL	50 mg/m³
	20 ppm
Spain - Occupational Exposure Limits	
VLA-ED (OEL TWA)	25 mg/m³
	10 ppm
VLA-EC (OEL STEL)	50 mg/m³
	20 ppm
Sweden - Occupational Exposure Limits	
NGV (OEL TWA)	13 mg/m³
	5 ppm
KGV (OEL STEL)	25 mg/m³
	10 ppm
United Kingdom - Occupational Exposure Limits	
WEL TWA (OEL TWA)	25 mg/m³
	10 ppm
WEL STEL (OEL STEL)	50 mg/m³
	20 ppm
Norway - Occupational Exposure Limits	
Grenseverdi (OEL TWA)	25 mg/m³
	10 ppm
Korttidsverdi (OEL STEL)	50 mg/m³ (value from the regulation)
	20 ppm (value from the regulation)
OEL chemical category	Allergenic substance

acetic acid … % (64-19-7)	
Switzerland - Occupational Exposure Limits	
MAK (OEL TWA)	25 mg/m³
	10 ppm
KZGW (OEL STEL)	50 mg/m³
	20 ppm
USA - ACGIH - Occupational Exposure Limits	
ACGIH OEL TWA	10 ppm
ACGIH OEL STEL	15 ppm

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

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

propionic acid … % (79-09-4)	
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
	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)

propionic acid … % (79-09-4)	
	10 ppm (indicative limit)
VLE (OEL C/STEL)	62 mg/m³ (indicative limit)
	20 ppm (indicative limit)
Germany - Occupational Exposure 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 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
	10 ppm
OEL STEL	60 mg/m³
	20 ppm
Hungary - Occupational Exposure Limits	
AK (OEL TWA)	31 mg/m³
CK (OEL STEL)	62 mg/m³
Ireland - Occupational Exposure Limits	
OEL TWA	31 mg/m³
	10 ppm
OEL STEL	62 mg/m³
	20 ppm
Italy - Occupational Exposure Limits	
OEL TWA	31 mg/m³
	10 ppm
OEL STEL	62 mg/m³
	20 ppm
Latvia - Occupational Exposure Limits	
OEL TWA	31 mg/m³
	10 ppm
Lithuania - Occupational Exposure Limits	
IPRV (OEL TWA)	31 mg/m³
	10 ppm
TPRV (OEL STEL)	62 mg/m³
	20 ppm

propionic acid … % (79-09-4)	
Luxembourg - Occupational Exposure Limits	
OEL TWA	31 mg/m³
	10 ppm
OEL STEL	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
	20 ppm
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)

propionic acid … % (79-09-4)	
	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
	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

No additional information available

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

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 exposure 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	:	Standard.
Odour	:	characteristic.
Odour threshold	:	Not available
Melting point	:	Not available
Freezing point	:	Not available
Boiling point	:	Not available
Flammability	:	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
pH	:	Not available
Viscosity, 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. Possibility 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 decomposition 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 alcohol (100-51-6)	
LD50 oral rat	1230 mg/kg (Source: NLM_CIP)
LD50 oral	1570 mg/kg

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)
LD50 dermal rabbit	20800 mg/kg (Source: NLM_CIP)

Linalool (78-70-6)	
LD50 oral	2790 mg/kg bodyweight

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)

acetaldehyde; ethanal (75-07-0)	
LD50 oral rat	660 mg/kg (Source: JAPAN_GHS)
LD50 oral	700 mg/kg bodyweight

acetaldehyde; ethanal (75-07-0)	
LD50 dermal rabbit	3540 mg/kg (Source: NLM_HSDB)
LD50 dermal	3540 mg/kg bodyweight
LC50 Inhalation - Rat [ppm]	13000 ppm/4h

ethanol; ethyl alcohol (64-17-5)	
LD50 oral rat	7060 mg/kg (Source: NLM_CIP)
LC50 Inhalation - Rat	133.8 mg/l/4h

Acetyl Propionyl (600-14-6)	
LD50 oral rat	3 g/kg (Source: NLM_CIP)
LD50 oral	3000 mg/kg bodyweight
LD50 dermal rabbit	> 2000 mg/kg (Source: NIOSH)
LD50 dermal	2500 mg/kg bodyweight

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

2-furaldehyde (98-01-1)	
LD50 oral rat	125 mg/kg (Source: JAPAN_GHS)
LD50 dermal rabbit	500 – 1000 mg/kg (Source: JAPAN_GHS)
LC50 Inhalation - Rat	756 mg/m³ (Exposure time: 1 h Source: WHO)
LC50 Inhalation - Rat (Vapours)	1 mg/l

Isovaleraldehyde (590-86-3)	
LD50 oral rat	5600 mg/kg (Source: NLM_CIP)
LD50 dermal rabbit	2730 mg/kg (Source: NLM_CIP)
LD50 dermal	2534 mg/kg
LC50 Inhalation - Rat	42.7 mg/l/4h

pyridine (110-86-1)	
LD50 oral rat	866 mg/kg (Source: JAPAN_GHS)
LD50 oral	500 mg/kg bodyweight
LD50 dermal rabbit	1000 – 2000 mg/kg (Source: CHEMVIEW)
LD50 dermal	1100 mg/kg bodyweight
LC50 Inhalation - Rat	12.898 mg/l/4h
LC50 Inhalation - Rat (Vapours)	15 mg/l/4h

2,6-xylenol (576-26-1)	
LD50 oral rat	296 mg/kg (Source: JAPAN_GHS)
LD50 oral	296 mg/kg bodyweight
LD50 dermal rabbit	1 g/kg (Source: NLM_CIP)
LD50 dermal	960 mg/kg bodyweight

ethyl lactate; ethyl DL-lactate (97-64-3)	
LD50 oral rat	8200 mg/kg (Source: NLM_CIP)

ethyl lactate; ethyl DL-lactate (97-64-3)	
LD50 oral	2500 mg/kg bodyweight
LD50 dermal rabbit	> 5 g/kg (Source: NLM_HSDB)

acetic acid … % (64-19-7)	
LD50 oral rat	3310 mg/kg (Source: JAPAN_GHS)
LD50 oral	3310 mg/kg
LD50 dermal rabbit	1060 mg/kg (Source: JAPAN_GHS)
LC50 Inhalation - Rat	11.4 mg/l/4h

benzaldehyde (100-52-7)	
LD50 oral rat	1292 mg/kg (Source: JAPAN_GHS)
LD50 dermal rabbit	> 1250 mg/kg (Source: JAPAN_GHS)

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_API)

Skin corrosion/irritation : Not classified

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

pyridine (110-86-1)	
pH	8.5 (conc: 0.2 M (aqueous solution)

acetic acid … % (64-19-7)	
pH	2.4 (conc: 1 M (aqueous solution)

Serious eye damage/irritation : Not classified

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

pyridine (110-86-1)	
pH	8.5 (conc: 0.2 M (aqueous solution)

acetic acid … % (64-19-7)	
pH	2.4 (conc: 1 M (aqueous solution)

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

acetaldehyde; ethanal (75-07-0)	
IARC group	1 - Carcinogenic to humans,2B - Possibly carcinogenic to humans

2-furaldehyde (98-01-1)	
IARC group	3 - Not classifiable

pyridine (110-86-1)	
IARC group	2B - Possibly carcinogenic to humans

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

acetaldehyde; ethanal (75-07-0)	
STOT-single exposure	May cause respiratory irritation.

2-furaldehyde (98-01-1)	
STOT-single exposure	May cause respiratory irritation.

Isovaleraldehyde (590-86-3)	
STOT-single exposure	May cause respiratory irritation.

ethyl lactate; ethyl DL-lactate (97-64-3)	
STOT-single exposure	May cause respiratory irritation.

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

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) : Not classified

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)

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])

1,2-Propanediol (57-55-6)	
EC50 96h - Algae [1]	19000 mg/l (Species: Pseudokirchneriella subcapitata)
Linalool (78-70-6)	
EC50 96h - Algae [1]	88.3 mg/l (Species: Desmodesmus subspicatus)
acetaldehyde; ethanal (75-07-0)	
LC50 - Fish [1]	28 – 34 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA)
LC50 - Fish [2]	53 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static] Source: EPA)
EC50 - Crustacea [1]	3.64 – 6.15 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
EC50 - Crustacea [2]	48.3 mg/l (Exposure time: 48 h - Species: Daphnia magna)
ethanol; ethyl alcohol (64-17-5)	
LC50 - Fish [2]	> 100 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static] Source: EPA)
EC50 - Crustacea [1]	9268 – 14221 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 - Crustacea [2]	2 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
2-furaldehyde (98-01-1)	
LC50 - Fish [1]	13.4 – 19.3 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static] Source: EPA)
LC50 - Fish [2]	16.79 – 26.35 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA)
Isovaleraldehyde (590-86-3)	
LC50 - Fish [1]	2.98 – 3.54 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA)
EC50 - Crustacea [1]	177 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 72h - Algae [1]	80 mg/l (Species: Desmodesmus subspicatus)
EC50 96h - Algae [1]	78 mg/l (Species: Desmodesmus subspicatus)
pyridine (110-86-1)	
LC50 - Fish [1]	63.4 – 73.6 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA)
LC50 - Fish [2]	26 mg/l (Exposure time: 96 h - Species: Cyprinus carpio [semi-static] Source: EPA)
2,6-xylenol (576-26-1)	
LC50 - Fish [1]	27 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA)
EC50 - Crustacea [1]	11.2 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 - Crustacea [2]	11.2 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
acetic acid … % (64-19-7)	
LC50 - Fish [1]	79 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static] Source: EPA)
LC50 - Fish [2]	75 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static] Source: EPA)
EC50 - Crustacea [1]	65 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
benzaldehyde (100-52-7)	
LC50 - Fish [1]	10.6 – 11.8 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through] Source: EPA)

benzaldehyde (100-52-7)	
LC50 - Fish [2]	12.69 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static] Source: IUCLID)

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

CAFE AU LAIT CC-16464 10% in DPG	
Persistence and degradability	Not established.

benzyl alcohol (100-51-6)	
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

Linalool (78-70-6)	
Persistence and degradability	Rapidly degradable

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

acetaldehyde; ethanal (75-07-0)	
Persistence and degradability	Rapidly degradable

ethanol; ethyl alcohol (64-17-5)	
Persistence and degradability	Rapidly degradable

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

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

2-furaldehyde (98-01-1)	
Persistence and degradability	Rapidly degradable

Isovaleraldehyde (590-86-3)	
Persistence and degradability	Rapidly degradable

pyridine (110-86-1)	
Persistence and degradability	Rapidly degradable

2,6-xylenol (576-26-1)	
Persistence and degradability	Rapidly degradable

ethyl lactate; ethyl DL-lactate (97-64-3)	
Persistence and degradability	Rapidly degradable

acetic acid … % (64-19-7)	
Persistence and degradability	Rapidly degradable

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

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

12.3. Bioaccumulative potential

CAFE AU LAIT CC-16464 10% in DPG	
Bioaccumulative potential	Not established.

benzyl alcohol (100-51-6)	
Partition coefficient n-octanol/water (Log Pow)	1.05

Benzyl salicylate (118-58-1)	
Partition coefficient n-octanol/water (Log Pow)	4

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)

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

acetaldehyde; ethanal (75-07-0)	
Partition coefficient n-octanol/water (Log Pow)	0.45 – 0.63 (at 25 °C (at pH 7)

ethanol; ethyl alcohol (64-17-5)	
Partition coefficient n-octanol/water (Log Pow)	-0.35 (at 24 °C (at pH 7.4)

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)

2-furaldehyde (98-01-1)	
Partition coefficient n-octanol/water (Log Pow)	0.67

Isovaleraldehyde (590-86-3)	
Partition coefficient n-octanol/water (Log Pow)	1.5 (at 25 °C (at pH 7)

pyridine (110-86-1)	
Partition coefficient n-octanol/water (Log Pow)	0.65

2,6-xylenol (576-26-1)	
Partition coefficient n-octanol/water (Log Pow)	2.36

ethyl lactate; ethyl DL-lactate (97-64-3)	
Partition coefficient n-octanol/water (Log Pow)	0.7 (at 25 °C (at pH >2-<8)

acetic acid … % (64-19-7)	
Partition coefficient n-octanol/water (Log Pow)	-0.17 (at 25 °C (at pH 7)

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

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

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

Ecological information : Avoid release to 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**
28.	acetaldehyde; ethanal	Substances which are classified as carcinogen category 1A or 1B in Part 3 of Annex VI to Regulation (EC) No 1272/2008 and are listed in Appendix 1 or Appendix 2, respectively.
3(a)	acetaldehyde; ethanal ; ethanol; ethyl alcohol ; Acetyl Propionyl ; 2-furaldehyde ; Isovaleraldehyde ; pyridine ; ethyl lactate; ethyl DL-lactate ; acetic 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 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)	CAFE AU LAIT CC-16464 10% in DPG ; benzyl alcohol ; Benzyl salicylate ; Linalool ; Cinnamic aldehyde ; acetaldehyde; ethanal ; Acetyl Propionyl ; 3(2H)-Furanone, 4-hydroxy-2,5-dimethyl- ; 2-furaldehyde ; Isovaleraldehyde ; pyridine ; ethyl lactate; ethyl DL-lactate ; acetic acid … % ; benzaldehyde ; 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)	Benzyl salicylate ; Cinnamic aldehyde ; 2-furaldehyde ; Isovaleraldehyde	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

EU restriction list (REACH Annex XVII)		
Reference code	**Applicable on**	**Entry title or description**
40.	acetaldehyde; ethanal ; ethanol; ethyl alcohol ; Acetyl Propionyl ; 2-furaldehyde ; Isovaleraldehyde ; pyridine ; ethyl lactate; ethyl DL-lactate ; acetic acid … % ; 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)

Dual-Use Regulation (428/2009)

Contains no substance subject to the COUNCIL REGULATION (EC) No 428/2009 of 5 May 2009 setting up a Community regime for the control of exports, transfer, brokering and transit of dual-use items.

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)

15.1.2. National regulations

France

Occupational diseases	
Code	Description
RG 74	Occupational disorders caused by furfural and furfuryl alcohol
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 1, Slightly 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 : B(4) - low hazard for aquatic organisms
SZW-lijst van kankerverwekkende stoffen : Acetaldehyde,Ethyl alcohol are listed
SZW-lijst van mutagene stoffen : None of the components are listed
SZW-lijst van reprotoxische stoffen – Borstvoeding : Ethyl alcohol is listed

SZW-lijst van reprotoxische stoffen – Vruchtbaarheid : Ethyl alcohol is listed

SZW-lijst van reprotoxische stoffen – Ontwikkeling : Ethyl alcohol is 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. 3 (Dermal)	Acute toxicity (dermal), Category 3
Acute Tox. 3 (Inhalation)	Acute toxicity (inhal.), Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3
Carc. 1B	Carcinogenicity, Category 1B
Carc. 2	Carcinogenicity, Category 2
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 1	Flammable liquids, Category 1
Flam. Liq. 2	Flammable liquids, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
H224	Extremely flammable liquid and vapour.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.

Full text of H- and EUH-statements:	
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H341	Suspected of causing genetic defects.
H350	May cause cancer.
H351	Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
Muta. 2	Germ cell mutagenicity, Category 2
Skin Corr. 1A	Skin corrosion/irritation, Category 1, Sub-Category 1A
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B
Skin Irrit. 2	Skin corrosion/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 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.