Trade name: Duftstoff Dark Cherry Product no.: 356999 Current version : 1.0.0, issued: 11.12.2020

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

1.1 Product identifier Trade name

Duftstoff Dark Cherry

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

Relevant identified uses of the substance or mixture Fragrances

Uses advised against No data available.

1.3 Details of the supplier of the safety data sheet

Address

Koch-Chemie GmbH Einsteinstr. 42 D-59423 Unna Telephone no. +49-2303-9 86 70-0 Fax no. +49-2303-9 86 70-26

Advice on Safety Data Sheet

sdb_info@umco.de

1.4 Emergency telephone number

For medical advice (in German and English): +49 (0)551 192 40 (Giftinformationszentrum Nord) For information in the event of an emergency during transport: +44 1865 407333

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification in accordance with Regulation (EC) No 1272/2008 (CLP)

Eye Irrit. 2; H319 Flam. Liq. 2; H225 Skin Sens. 1; H317 STOT SE 3; H335

Classification information

This product is assessed and classified using the methods and criteria below referred to in Article 9 of Regulation (EC) n° 1272/2008:

Physical hazards: determined through assessment data based on the methods or standards referred to in part 2 of Annex I to CLP

Health hazards and environmental hazards: determined through toxicological and ecotoxicological assessment data based on the methods or standards referred to in Part 3, 4 and 5 of Annex I to CLP.

2.2 Label elements

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

Hazard pictograms



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Hazardous component benzaldehyde Coumarin	(s) to be indicated on label:	
linalyl acetate linalool	cyclohexen-1-yl)-2-buten-1-one	
Eugenol geraniol Citronellol cinnamaldehyde Orange, sweet, ext.		
Hazard statement(s)	list for the first of the state	
H225 H317	Highly flammable liquid and vapour. May cause an allergic skin reaction.	
H319	Causes serious eye irritation.	
H335	May cause respiratory irritation.	
Hazard statements (EU)	
EUH066	Repeated exposure may cause skin dryness or cracking.	
Precautionary stateme	nt(s)	
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition smoking.	sources. No
P261	Avoid breathing vapours/spray.	
P280	Wear protective gloves/protective clothing/eye protection.	
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove conta present and easy to do. Continue rinsing.	ict lenses, if
P312	Call a POISON CENTER/doctor if you feel unwell.	
P370+P378	In case of fire: Use water spray, alcohol-resistant foam, dry chemical or can extinguish.	bon dioxide to
2.3 Other hazards		

2.3 Other hazards

PBT assessment

According to the information provided in the supply chain, the mixture does not contain > 0.1% of a substance that is considered to be PBT.

vPvB assessment

According to the information provided in the supply chain, the mixture does not contain > 0.1% of a substance that is considered to be vPvB.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable. The product is not a substance.

3.2 Mixtures

Hazardous ingredients

No	Substance name		Additi	onal information		
	CAS / EC / Index /	Classification (EC) 1272/2008 (CLP)	Conce	entration		%
	REACH no					
1	ethanol					
	64-17-5	Flam. Liq. 2; H225	>=	50.00 - <	70.00	wt%
	200-578-6	Eye Irrit. 2; H319				
	603-002-00-5					
	01-2119457610-43					
2	benzaldehyde					

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	-		-			
	100-52-7	Acute Tox. 4; H302	>=	10.00 - <	25.00	wt%
	202-860-4	Acute Tox. 4; H332				
	605-012-00-5	Eye Irrit. 2; H319				
	01-2119455540-44	STOT SE 3; H335				
3	isopentyl acetate					
	123-92-2	Flam. Liq. 3; H226	>=	5.00 - <	10.00	wt%
	204-662-3	EUH066		0.00		
	607-130-00-2					
4	01-2119548408-32					
4	vanillin					
	121-33-5	Eye Irrit. 2; H319	<	5.00		wt%
	204-465-2					
	-					
	01-2119516040-60					
5	ethyl-acetate					
	141-78-6	EUH066	<	5.00		wt%
1	205-500-4	Eye Irrit. 2; H319				
	607-022-00-5	Flam. Liq. 2; H225				
	01-2119475103-46	STOT SE 3; H336				
6	piperonal					
0		Skin Sono 1D: H217	-	2.50		14/t0/
1	120-57-0	Skin Sens. 1B; H317	<	2.50		wt%
	204-409-7					
1	-					
	01-2119983608-21					
7	benzyl acetate					
	140-11-4	Aquatic Chronic 3; H412	<	2.50		wt%
	205-399-7					
	-					
	01-2119638272-42					
8	Coumarin					
0	91-64-5	Acute Tox. 4; H302	<	2.50		wt%
	202-086-7			2.30		WVL /0
	202-000-7	Skin Sens. 1; H317				
	-	Aquatic Chronic 3; H412				
_	01-2119949300-45					
9	linalyl acetate					
	115-95-7	Skin Irrit. 2; H315	<	2.50		wt%
	204-116-4	Eye Irrit. 2; H319				
	-	Skin Sens. 1; H317				
	01-2119454789-19					
10	linalool					
	78-70-6	Skin Irrit. 2; H315	<	2.50		wt%
1	201-134-4	Eye Irrit. 2; H319		-		
1	603-235-00-2	Skin Sens. 1B; H317				
1	01-2119474016-42					
11		yl-1-cyclohexen-1-yl)-2-buten-1-one				
11	/=_/,0,0-L/////et/			0.50		wt%
1		Skin Sono 1D: U217	/			IWI 7∕0
_	23726-91-2	Skin Sens. 1B; H317	<	0.50		
		Aquatic Chronic 2; H411	<	0.50		
	23726-91-2 245-842-1 -		<	0.50		
	23726-91-2 245-842-1 - 01-2120094433-55	Aquatic Chronic 2; H411	<	0.50		
12	23726-91-2 245-842-1 - 01-2120094433-55 Eugenol	Aquatic Chronic 2; H411 Skin Irrit. 2; H315	<			
12	23726-91-2 245-842-1 - 01-2120094433-55	Aquatic Chronic 2; H411	<	0.50		wt%
12	23726-91-2 245-842-1 - 01-2120094433-55 Eugenol	Aquatic Chronic 2; H411 Skin Irrit. 2; H315				
12	23726-91-2 245-842-1 - 01-2120094433-55 Eugenol 97-53-0	Aquatic Chronic 2; H411 Skin Irrit. 2; H315 Eye Irrit. 2; H319				
12	23726-91-2 245-842-1 - 01-2120094433-55 Eugenol 97-53-0 202-589-1 -	Aquatic Chronic 2; H411 Skin Irrit. 2; H315 Eye Irrit. 2; H319				
	23726-91-2 245-842-1 - 01-2120094433-55 Eugenol 97-53-0 202-589-1 - 01-2119971802-33	Aquatic Chronic 2; H411 Skin Irrit. 2; H315 Eye Irrit. 2; H319				
12	23726-91-2 245-842-1 - 01-2120094433-55 Eugenol 97-53-0 202-589-1 - 01-2119971802-33 geraniol	Aquatic Chronic 2; H411 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Skin Sens. 1B; H317	<	0.50		wt%
	23726-91-2 245-842-1 - 01-2120094433-55 Eugenol 97-53-0 202-589-1 - 01-2119971802-33 geraniol 106-24-1	Aquatic Chronic 2; H411 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Skin Sens. 1B; H317 Eye Dam. 1; H318				
	23726-91-2 245-842-1 - 01-2120094433-55 Eugenol 97-53-0 202-589-1 - 01-2119971802-33 geraniol	Aquatic Chronic 2; H411 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Skin Sens. 1B; H317	<	0.50		wt%

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	01-2119552430-49				
14	Citronellol				
	106-22-9	Eye Irrit. 2; H319	<	0.50	wt%
	203-375-0	Skin Irrit. 2; H315			
	-	Skin Sens. 1B; H317			
	01-2119453995-23				
15	cinnamaldehyde				
	104-55-2	Acute Tox. 4; H312	<	0.50	wt%
	203-213-9	Skin Irrit. 2; H315			
	-	Skin Sens. 1; H317			
	01-2119935242-45	Eye Irrit. 2; H319			
16	Orange, sweet, ext	•			
	8028-48-6	Asp. Tox. 1; H304	<	0.50	wt%
	232-433-8	Flam. Liq. 3; H226			
	-	Skin Irrit. 2; H315			
	01-2119493353-35	Skin Sens. 1; H317			
		Aquatic Chronic 1; H410			
		Aquatic Acute 1; H400			

Full Text for all H-phrases and EUH-phrases: pls. see section 16

No	Note	Specific concentration limits	M-factor (acute)	M-factor (chronic)
1	-	Eye Irrit. 2; H319: C >= 50%	-	-

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing. In case of persisting adverse effects, consult a physician.

After inhalation

Remove affected persons from dangerous area by observing suitable respiratory protection measures. Ensure supply of fresh air. If unconscious place in recovery position and seek medical advice.

After skin contact

In case of contact with skin wash off with water.

After eye contact

Remove contact lenses. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes).

After ingestion

Rinse the mouth thoroughly with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a doctor.

4.2 Most important symptoms and effects, both acute and delayed No data available.

4.3 Indication of any immediate medical attention and special treatment needed No data available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media Water spray jet; Alcohol-resistant foam; Carbon dioxide; Dry chemical extinguisher Unsuitable extinguishing media High power water jet

5.2 Special hazards arising from the substance or mixture

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In the event of fire, the following can be released: Carbon monoxide (CO); Carbon dioxide (CO2)

5.3 Advice for firefighters

Use self-contained breathing apparatus. Wear protective clothing. Containers close to fire should be transferred to a safe place. Cool closed containers exposed to fire with water.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Refer to protective measures listed in sections 7 and 8. Keep away from ignition sources. Do not inhale vapours.

For emergency responders

Personal protective equipment (PPE) - see section 8.

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil.

6.3 Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13).

6.4 Reference to other sections

Information regarding safe handling, see section 7. Information regarding personal protective measures, see section 8. Information regarding waste disposal, see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

Risks inherent to handling the product must be minimised by applying the appropriate protective and preventive measures. Working processes should - so far as possible, according to the state of the art - be designed to rule out bodily contact or the release of hazardous substances.

General protective and hygiene measures

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Do not inhale vapours. Avoid contact with eyes and skin. Wash hands before breaks and after work. Remove contaminated clothing and shoes and launder thoroughly before reusing.

Advice on protection against fire and explosion

Vapours can form an explosive mixture with air. Isolate from sources of heat, sparks and open flame. Take precautionary measures against electrostatic loading (earthing necessary during loading operations). Use explosion-proof equipment/fittings and non-sparking tools.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Keep container tightly closed and dry in a cool, well-ventilated place.

Requirements for storage rooms and vessels

Containers which are opened must be carefully closed and kept upright to prevent leakage. Always keep in containers of same material as the original.

Substances to be avoided, see section 10.

Incompatible products

7.3 Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

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Occupational exposure limit values

No	Substance name	CAS no.		EC no.	
1	ethanol	64-17-5		200-578-6	
	List of approved workplace exposure limits (WELs) /	EH40			
	Ethanol				
	WEL long-term (8-hr TWA reference period)	1920	mg/m³	1000	ppm
2	isopentyl acetate	123-92-2		204-662-3	
	2000/39/EC				
	Isopentylacetate	-			
	WEL short-term (15 min reference period)	540	mg/m³	100	ppm
	WEL long-term (8-hr TWA reference period)	270	mg/m³	50	ppm
	List of approved workplace exposure limits (WELs) /	EH40			
	Pentyl acetates (all isomers)				
	WEL short-term (15 min reference period)	541	mg/m³	100	ppm
	WEL long-term (8-hr TWA reference period)	270	mg/m³	50	ppm
3	ethyl-acetate	141-78-6		205-500-4	
	2017/164/EU				
	Ethyl acetate	-			
	WEL short-term (15 min reference period)	1468	mg/m³	400	ppm
	WEL long-term (8-hr TWA reference period)	734	mg/m³	200	ppm
	List of approved workplace exposure limits (WELs) /	EH40			
	Ethyl acetate	-			
	WEL short-term (15 min reference period)			400	ppm
	WEL long-term (8-hr TWA reference period)			200	ppm

DNEL, DMEL and PNEC values

DNEL values (worker)

No	Substance name			CAS / EC r	וס
	Route of exposure	Exposure time	Effect	Value	
1	ethanol			64-17-5 200-578-6	
	dermal	Long term (chronic)	systemic	343	mg/kg/day
	inhalative	Long term (chronic)	systemic	950	mg/m³
2	benzaldehyde			100-52-7 202-860-4	
	dermal	Long term (chronic)	systemic	1.14	mg/kg/day
	dermal	Short term (acut)	local	1	% in mixture (weight basis)
	inhalative	Long term (chronic)	systemic	9.8	mg/m ³
	inhalative	Long term (chronic)	local	9.8	
3	isopentyl acetate			123-92-2 204-662-3	
	dermal	Long term (chronic)	systemic	2.95	mg/kg/day
	inhalative	Long term (chronic)	systemic	20.8	mg/m³
4	ethyl-acetate			141-78-6 205-500-4	
	dermal	Long term (chronic)	systemic	63	mg/kg/day
	inhalative	Short term (acut)	systemic	1468	mg/m³
	inhalative	Long term (chronic)	local	734	mg/m³
	inhalative	Short term (acut)	local	1468	mg/m³
	inhalative	Long term (chronic)	systemic	734	mg/m³
5	piperonal			120-57-0 204-409-7	
	dermal	Long term (chronic)	systemic	2.5	mg/kg/day
	inhalative	Long term (chronic)	systemic	17.6	mg/m³

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6	benzyl acetate			140-11-4 205-399-7	,
	dermal	Long term (chronic)	systemic	2.5	mg/kg/day
	inhalative	Long term (chronic)	systemic	9	mg/m ³
7	Coumarin		<u> </u>	91-64-5	
		Long to me (obvorio)	a vata mia	202-086-7	
	dermal	Long term (chronic)	systemic	0.84	mg/kg/day
	inhalative	Long term (chronic)	systemic	0.741	mg/m³
8	Orange, sweet, ext.			8028-48-6	5
				232-433-8	}
	dermal	Long term (chronic)		8.89	mg/kg/day
	dermal	Short term (acut)		185.8	µg/cm²
	inhalative			31.1	mg/m ³

DNEL value (consumer)

No	Substance name	•		CAS / EC n	0
	Route of exposure	Exposure time	Effect	Value	
1	ethanol	•		64-17-5	
				200-578-6	
	oral	Long term (chronic)	systemic	87	mg/kg/day
	dermal	Long term (chronic)	systemic	206	mg/kg/day
	inhalative	Long term (chronic)	systemic	114	mg/m³
2	benzaldehyde			100-52-7	
				202-860-4	
	oral	Long term (chronic)	systemic	0.67	mg/kg/day
	dermal	Long term (chronic)	systemic	0.67	mg/kg/day
	dermal	Short term (acut)	local	1	% in mixture
					(weight basis)
	inhalative	Long term (chronic)	systemic	4.9	mg/m³
	inhalative	Long term (chronic)	local	4.9	mg/m³
3	isopentyl acetate			123-92-2	
				204-662-3	
	oral	Long term (chronic)	systemic	1.47	mg/kg/day
	dermal	Long term (chronic)	systemic	1.47	mg/kg/day
	inhalative	Long term (chronic)	systemic	5.1	mg/m³
4	vanillin			121-33-5	
				204-465-2	
	oral		systemic	10	mg/kg/day
5	ethyl-acetate			141-78-6	
				205-500-4	
	oral	Long term (chronic)	systemic	4.5	mg/kg/day
	dermal	Long term (chronic)	systemic	37	mg/kg/day
	inhalative	Short term (acut)	systemic	734	mg/m³
	inhalative	Long term (chronic)	local	367	mg/m³
	inhalative	Short term (acut)	local	734	mg/m³
	inhalative	Long term (chronic)	systemic	367	mg/m³
6	piperonal			120-57-0	
				204-409-7	
	oral	Long term (chronic)	systemic	1.25	mg/kg/day
	dermal	Long term (chronic)	systemic	1.25	mg/kg/day
	inhalative	Long term (chronic)	systemic	4.3	mg/m³
7	benzyl acetate			140-11-4	
				205-399-7	
	oral	Long term (chronic)	systemic	1.3	mg/kg/day
	dermal	Long term (chronic)	systemic	1.3	mg/kg/day
	inhalative	Long term (chronic)	systemic	2.2	mg/m³
8	Coumarin			91-64-5	
				202-086-7	

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	oral	Long term (chronic)	systemic	0.42	mg/kg/day
	dermal	Long term (chronic)	systemic	0.42	mg/kg/day
	inhalative	Long term (chronic)	systemic	0.183	mg/m ³
9	Orange, sweet, ext.			8028-48-6	5
	_			232-433-8	3
	oral	Long term (chronic)		4.44	mg/kg/day
	oral dermal	Long term (chronic)		4.44	mg/kg/day mg/kg/day

	PNEC values			Ŭ
No			CAS / EC n	0
NU	ecological compartment	Туре	Value	
1	ethanol	Туре	64-17-5	
1	ethanor		200-578-6	
	water	fresh water	0.96	mg/L
	water	Aqua intermittent	2.75	mg/L
	water	marine water	0.79	mg/L
	water	fresh water sediment	3.6	mg/kg dry
				weight
	water	marine water sediment	2.9	mg/L
	soil		0.63	mg/kg dry weight
	sewage treatment plant	-	580	mg/L
	secondary poisoning	-	0.38	mg/kg food
2	benzaldehyde		100-52-7 202-860-4	
	water	fresh water	0.002	mg/L
	water	marine water	0	mg/L
	water	fresh water sediment	0.022	mg/kg dry
				weight
	water	marine water sediment	0.002	mg/kg dry weight
	soil	-	0.003	mg/kg dry weight
	sewage treatment plant	-	7.59	mg/L
3	isopentyl acetate	123-92-2 204-662-3		
	water	fresh water	0.022	mg/L
	water	marine water	0.0022	mg/L
	water	Aqua intermittent	0.22	mg/L
	sewage treatment plant	-	100	mg/L
4	vanillin		121-33-5 204-465-2	5
	water	fresh water	0.118	mg/L
	water	fresh water sediment	58.22	mg/kg
	with reference to: dry weight			
	water	marine water	0.0118	mg/L
L	water	marine water sediment	5.82	mg/kg
	with reference to: dry weight		0.02	
	soil	-	11.54	mg/kg
	with reference to: dry weight			
	sewage treatment plant	-	10	mg/L
5	ethyl-acetate		141-78-6	iiig/ L
Ũ			205-500-4	
	water	fresh water	0.24	mg/L
	water	marine water	0.024	mg/L
		marino mator	0.021	····9/ -

1.65

mg/L

Aqua intermittent

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	water	fresh water sediment	1.15	mg/kg dry weight
	water	marine water sediment	0.115	mg/kg dry weight
	soil	-	0.148	mg/kg dry weight
	sewage treatment plant	-	650	mg/L
	secondary poisoning	-	200	mg/kg
	piperonal		120-57-0 204-409-7	
	water	fresh water	2.5	µg/L
	water	marine water	0.25	µg/L
	water	Aqua intermittent	25	µg/L
	water	fresh water sediment	11.9	µg/kg
	with reference to: dry weight			
	water	marine water sediment	1.2	µg/kg
	with reference to: dry weight			
	soil	-	0.84	µg/kg
	sewage treatment plant	-	10	mg/L
	benzyl acetate		140-11-4 205-399-7	
	water	fresh water	0.018	mg/L
	water	marine water	0.002	mg/L
	water	fresh water sediment	0.526	mg/kg dry weight
	water	marine water sediment	0.053	mg/kg dry weight
	soil	-	0.094	mg/kg dry weight
	sewage treatment plant	-	8.55	mg/L
	Coumarin		91-64-5 202-086-7	
	water	fresh water	0.0056	mg/L
	water	marine water	0.00056	mg/L
	water	Aqua intermittent	0.056	mg/L
	water	fresh water sediment	0.207	mg/kg dry weight
	water	marine water sediment	0.0207	mg/kg dry weight
	soil	-	0.0217	mg/kg dry weight
	sewage treatment plant	-	10	mg/L
)	Orange, sweet, ext.		8028-48-6 232-433-8	v
	water	fresh water	5.4	mg/L
	water	marine water	0.54	mg/L
	water	fresh water sediment	1.3	mg/kg dry weight
	water	marine water sediment	0.13	mg/kg dry weight
	water	Aqua intermittent	5.77	mg/L
	soil	-	0.261	mg/kg dry weight
	sewage treatment plant	_	2.1	mg/L
	secondary poisoning	-	13.3	mg/kg

8.2 Exposure controls

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Appropriate engineering controls

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL (=Occupational Exposure Limit), suitable respiratory protection must be worn.

Personal protective equipment

Respiratory protection

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of aerosol and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified. Filter A or environment-independent breathing apparatus.

Eye / face protection

Safety glasses with side protection shield (EN 166)

Hand protection

Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

F	3		
Appropriate Material	nitrile		
Appropriate Material	neoprene		
Appropriate Material	Polychloroprene		
Material thickness		0.5	mm
Breakthrough time	>	480	min

Other

Chemical-resistant work clothes.

Environmental exposure controls

No data available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form/Colour			
liquid			
yellow; reddish			
Odour			
fruity			
Odour threshold			
No data available			
pH value			
No data available			
Boiling point / boiling range			
Value	>	35	°C
Melting point/freezing point			
No data available			
Decomposition temperature			
No data available			
Flash point			
Value		17	°C
Auto-ignition temperature			
No data available			

de name: Duftstoff Dark Cherry					
oduct no.: 356999 rent version : 1.0.0, issued: 11.12.2020	Replaced	l version: - , issu	.ed: -		Region: G
Oxidising properties					
not oxidizing					
Explosive properties This product is not explosive. In and after use	e danger of produ	uction of inflan	nmable com	pounds.	
Flammability	<u> </u>				
No data available					
Lower explosion limit No data available					
Upper explosion limit					
No data available					
Vapour pressure					
Value Reference temperature	<	1060 50	hPa °C		
Relative vapour density No data available					
Evaporation rate No data available					
Relative density					
No data available					
Density					
Value Reference temperature	0.893	3 - 0.905 20	g/cm³ °C		
Solubility in water					
No data available					
Solubility No data available					
Partition coefficient n-octanol/water (log v	value)				
No Substance name	,	CAS no.		EC no.	
1 ethanol		64-17-5	0.05	200-578-6	
log Pow Reference temperature			-0.35 24	°C	
with reference to	pH 7,4				
Method	OECD 107				
Source 2 ethyl-acetate	ECHA	141-78-6		205-500-4	
log Pow		141-70-0	6.8	203-300-4	
Reference temperature			25	°C	
Source	ECHA				
3 piperonal		120-57-0	4.0	204-409-7	
log Pow Reference temperature			1.2 35	°C	
Method	OECD 117			0	
Source	ECHA				
4 benzyl acetate		140-11-4		205-399-7	
log Pow			1.96	•••	
Reference temperature Source	ECHA		25	°C	
	LONA				
5 Orange, sweet, ext.		8028-48-6		232-433-8	

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No data available

9.2 Other information

Other information

No data available.

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No data available.
- **10.2 Chemical stability** Stable under recommended storage and handling conditions (See section 7).
- **10.3 Possibility of hazardous reactions** Dangerous reactions are not to be expected when handling product according to its intended use.

10.4 Conditions to avoid

Heat, naked flames and other ignition sources. Static discharges.

- **10.5** Incompatible materials strong oxidizing agents
- **10.6 Hazardous decomposition products** No hazardous decomposition products known.

SECTION 11: Toxicological information

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

Acu	Acute oral toxicity (result of the ATE calculation for the mixture)						
No	Product Name	Product Name					
1	Duftstoff Dark Cherry	Duftstoff Dark Cherry					
Com	ments	The result of the applied calculation method according to the European Regulation (EC) 1272/2008 (CLP), Paragraph 3.1.3.6, Part 3 of Annex I is outside the values that imply a classification / labelling of this mixture according to table 3.1.1 defining the respective categories (ATE oral > 2000 mg/kg).					

Acu	te oral toxicity			
No	Substance name	CAS no.		EC no.
1	ethanol	64-17-5		200-578-6
LD5	0		10470	mg/kg bodyweight
Spe	cies	rat		
with	reference to	95% ethanol in water		
Met	hod	OECD 401		
Sou	rce	ECHA		
2	isopentyl acetate	123-92-2		204-662-3
LD5	0		7400	mg/kg bodyweight
Spe	cies	rat		
Sou	rce	ECHA		
3	ethyl-acetate	141-78-6		205-500-4
LD5	0	>	5600	mg/kg bodyweight
Spe	cies	rat		
Sou	rce	ECHA		
4	benzyl acetate	140-11-4		205-399-7
LD5	0	>	2000	mg/kg bodyweight
Spe	cies	rat		
Met	hod	OECD 401		
Sou	rce	ECHA		

	name: Duftstoff Dark Cherry				
	:t no.: 356999 /ersion : 1.0.0, issued: 11.12.2020	Replaced	d version: -, issu	ed: -	Region
Fval	luation/classification	Based on av	vailable data, th	ne classificat	ion criteria are not met.
5	Orange, sweet, ext.		8028-48-6		232-433-8
LD5		>		5000	mg/kg bodyweight
Spe	cies	rat			
Δου	te dermal toxicity				
	Substance name		CAS no.		EC no.
1	ethyl-acetate		141-78-6		205-500-4
LD5	,	>		20000	mg/kg bodyweight
Spe	cies	rabbit			
Sou	rce	ECHA			
2	piperonal		120-57-0		204-409-7
LD5		>		5000	mg/kg bodyweight
Spe		rat			
Meth Sou		OECD 402 ECHA			
30u	benzyl acetate		140-11-4		205-399-7
LD5		>	140-11-4	5000	mg/kg bodyweight
Spe		rabbit		0000	
Sou		ECHA			
Eval	luation/classification	Based on av	vailable data, th	ne classificat	ion criteria are not met.
4	Orange, sweet, ext.		8028-48-6		232-433-8
LD5		>		5000	mg/kg bodyweight
Spe	cies	rabbit			
	nments	European Re Part 3 of An labelling of t	egulation (EC) nex I is outsid his mixture acc	1272/2008 e the values cording to tak	thod according to the (CLP), Paragraph 3.1.3.6, that imply a classification / ole 3.1.1 defining the
			ategories (ATE oours), > 5 mg/		n: >20.000 ppmV (gases),> s).
Acu	te inhalational toxicity				
	Substance name		CAS no.		EC no.
1	ethanol	-	64-17-5		200-578-6
LC5				124.7	mg/l
	ation of exposure e of aggregation	Vapour		4	h
Spe		rat			
Meth		OECD 403			
Sou		ECHA			
	n corrosion/irritation	•			
	Substance name		CAS no.		EC no.
1	ethanol		64-17-5		200-578-6
Spe		rabbit	•••••		_,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Meth		OECD 404			
Sou		ECHA			
	luation	non-irritant			
2	ethyl-acetate	 	141-78-6		205-500-4
Spe		rabbit			
Meth Sou		OECD 404 ECHA			
	luation	low-irritant			
	luation/classification		vailable data. th	ne classificat	ion criteria are not met.
3	benzyl acetate		140-11-4		205-399-7

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17012	ation of exposure		4	h
Spec		rabbit		
Meth		EU B.4		
Sour		ECHA		
	uation/classification	Based on available da	a. the classification	on criteria are not met
	·			
Seri	ous eye damage/irritation Substance name	CAS no		EC no.
1	ethanol	64-17-5	•	200-578-6
Spec	•	rabbit		200-370-0
Meth		OECD 405		
Sour		ECHA		
	uation	irritant		
2	vanillin	121-33-	•	204-465-2
∠ Spec		rabbit	,	204-405-2
Meth		OECD 405		
Sour		ECHA		
	uation	irritant		
		141-78-	•	205 500 4
3	ethyl-acetate	141-78- rabbit		205-500-4
Spec Meth		OECD 405		
Sour		ECHA		
	uation	low-irritant 120-57-		204-409-7
4	piperonal			204-409-7
Spec		rabbit		
Meth		OECD 405		
Sour		ECHA		
	uation	non-irritant	•	005 000 7
5	benzyl acetate	140-11-4		205-399-7
Spec		rabbit		
Meth		EU B.5 ECHA		
Sour	rce.			
		-	a the close if in a time	a suitavia and mat much
Eval	uation/classification	Based on available da		on criteria are not met.
Eval 6	uation/classification Orange, sweet, ext.	Based on available da 8028-48		on criteria are not met. 232-433-8
Eval 6 Spec	uation/classification Orange, sweet, ext. cies	Based on available da 8028-48 rabbit		
Eval 6 Spec Meth	uation/classification Orange, sweet, ext. cies nod	Based on available da 8028-48 rabbit OECD 405		
Eval 6 Spec Meth	uation/classification Orange, sweet, ext. cies	Based on available da 8028-48 rabbit		
Eval 6 Spec Meth Eval Res	uation/classification Orange, sweet, ext. cies nod uation piratory or skin sensitisation	Based on available da 8028-48 rabbit OECD 405 non-irritant	-6	232-433-8
Eval 6 Spec Meth Eval Res No	uation/classification Orange, sweet, ext. cies nod uation piratory or skin sensitisation Substance name	Based on available da 8028-48 rabbit OECD 405 non-irritant CAS no	-6	232-433-8 EC no.
Eval 6 Spec Meth Eval Res No 1	uation/classification Orange, sweet, ext. cies nod uation piratory or skin sensitisation Substance name ethanol	Based on available da 8028-48 rabbit OECD 405 non-irritant CAS no 64-17-5	-6	232-433-8
Eval 6 Spec Meth Eval Res No 1 Rout	uation/classification Orange, sweet, ext. cies nod uation piratory or skin sensitisation Substance name ethanol te of exposure	Based on available da 8028-48 rabbit OECD 405 non-irritant CAS no 64-17-5 Skin	-6	232-433-8 EC no.
Eval 6 Spec Meth Eval Res No 1 Rout Spec	uation/classification Orange, sweet, ext. cies nod uation piratory or skin sensitisation Substance name ethanol te of exposure cies	Based on available da 8028-48 rabbit OECD 405 non-irritant CAS no 64-17-5 Skin mouse	-6	232-433-8 EC no.
Eval 6 Spec Meth Eval Res No 1 Rout Spec Sour	uation/classification Orange, sweet, ext. cies nod uation piratory or skin sensitisation Substance name ethanol te of exposure cies rce	Based on available da 8028-48 rabbit OECD 405 non-irritant CAS no 64-17-5 Skin mouse ECHA	-6	232-433-8 EC no.
Eval 6 Spec Meth Eval Res No 1 Rout Spec Sour Eval	uation/classification Orange, sweet, ext. cies nod uation piratory or skin sensitisation Substance name ethanol te of exposure cies rce uation	Based on available da 8028-48 rabbit OECD 405 non-irritant CAS no 64-17-5 Skin mouse ECHA non-sensitizing	-6	232-433-8 EC no. 200-578-6
Eval 6 Spec Meth Eval Res No 1 Rout Spec Sour Eval 2	uation/classification Orange, sweet, ext. cies nod uation piratory or skin sensitisation Substance name ethanol te of exposure cies rce uation vanillin	Based on available da 8028-48 rabbit OECD 405 non-irritant CAS no 64-17-5 Skin mouse ECHA non-sensitizing 121-33-	-6	232-433-8 EC no.
Eval 6 Spec Metr Eval Res No 1 Rout Spec Sour Eval 2 Rout	uation/classification Orange, sweet, ext. cies nod uation piratory or skin sensitisation Substance name ethanol te of exposure cies rce uation vanillin te of exposure	Based on available da 8028-48 rabbit OECD 405 non-irritant CAS no 64-17-5 Skin mouse ECHA non-sensitizing 121-33- Skin	-6	232-433-8 EC no. 200-578-6
Eval 6 Spec Meth Eval Res No 1 Rout Spec Sour Eval 2 Rout Spec	uation/classification Orange, sweet, ext. cies nod uation piratory or skin sensitisation Substance name ethanol te of exposure cies rce uation vanillin te of exposure cies	Based on available da 8028-48 rabbit OECD 405 non-irritant CAS no 64-17-5 Skin mouse ECHA non-sensitizing 121-33- Skin guinea pig	-6	232-433-8 EC no. 200-578-6
Eval 6 Spec Metr Eval Res No 1 Rout Spec Sour Eval 2 Rout Spec Metr	uation/classification Orange, sweet, ext. cies nod uation piratory or skin sensitisation substance name ethanol te of exposure cies rce uation vanillin te of exposure cies rce uation vanillin te of exposure cies rce uation	Based on available da 8028-48 rabbit OECD 405 non-irritant CAS no 64-17-5 Skin mouse ECHA non-sensitizing 121-33- Skin guinea pig 84/449/EEC, B.6	-6	232-433-8 EC no. 200-578-6
Eval 6 Spece Meth Eval Res No 1 Rout Spece Soun Eval 2 Rout Spece Meth Soun	uation/classification Orange, sweet, ext. cies nod uation piratory or skin sensitisation substance name ethanol te of exposure cies rce uation vanillin te of exposure cies rce uation vanillin te of exposure cies nod rce	Based on available da 8028-48 rabbit OECD 405 non-irritant CAS no 64-17-5 Skin mouse ECHA non-sensitizing 121-33- Skin guinea pig 84/449/EEC, B.6 ECHA	-6	232-433-8 EC no. 200-578-6
Eval 6 Spece Meth Eval Res No 1 Rout Spece Sour Eval Spece Sour Eval Spece Sour Eval	uation/classification Orange, sweet, ext. cies nod uation piratory or skin sensitisation Substance name ethanol te of exposure cies rce uation vanillin te of exposure cies rce uation vanillin te of exposure cies nod rce uation	Based on available da 8028-48 rabbit OECD 405 non-irritant CAS no 64-17-5 Skin mouse ECHA non-sensitizing 121-33- Skin guinea pig 84/449/EEC, B.6 ECHA non-sensitizing	-6	232-433-8 EC no. 200-578-6 204-465-2
Eval 6 Spece Meth Eval Res No 1 Rout Spece Sour Eval Spece Sour Eval Spece Sour Eval 3	uation/classification Orange, sweet, ext. cies nod uation piratory or skin sensitisation Substance name ethanol te of exposure cies rce uation vanillin te of exposure cies rce uation vanillin te of exposure cies nod rce uation ethyl-acetate	Based on available da 8028-48 7abbit OECD 405 non-irritant CAS no 64-17-5 Skin mouse ECHA non-sensitizing 121-33- Skin guinea pig 84/449/EEC, B.6 ECHA non-sensitizing 141-78-	-6	232-433-8 EC no. 200-578-6
Eval 6 Spece Meth Eval Res No 1 Rout Spece Sour Eval 2 Rout Spece Meth Sour Eval 3 Rout	uation/classification Orange, sweet, ext. cies nod uation piratory or skin sensitisation Substance name ethanol te of exposure cies rce uation vanillin te of exposure cies rce uation vanillin te of exposure cies nod rce uation ethyl-acetate te of exposure	Based on available da 8028-48 rabbit OECD 405 non-irritant CAS no 64-17-5 Skin mouse ECHA non-sensitizing 121-33- Skin guinea pig 84/449/EEC, B.6 ECHA non-sensitizing 141-78- Skin	-6	232-433-8 EC no. 200-578-6 204-465-2
Eval 6 Spece Meth Eval Ress No 1 Rout Sour Eval 2 Rout Spece Meth Sour Eval 3 Rout Spece Rout Spece Rout Spece Rout Rout Rout Spece Rout Rout Spece Rout Rout Spece Rout Rout Spece Rout Spece Rout Spece Rout Spece Rout Spece Rout Spece Rout Spece Rout Spece Rout Spece Rout Spece Rout Spece Rout Spece Rout Spece Rout Spece Rout Spece Sour Spece Sour Spece Rout Spece Rout Spece Rout Spece Rout Spece Sour Spece Rout Spece Sour Spece Rout Spece Rout Spece Sour Spece Rout Spece Sour Spece Sour Spece Spe	uation/classification Orange, sweet, ext. cies nod uation piratory or skin sensitisation Substance name ethanol te of exposure cies rce uation vanillin te of exposure cies rce uation vanillin te of exposure cies nod rce uation ethyl-acetate te of exposure cies nod rce uation	Based on available da 8028-48 rabbit OECD 405 non-irritant CAS no 64-17-5 Skin mouse ECHA non-sensitizing 121-33- Skin guinea pig 84/449/EEC, B.6 ECHA non-sensitizing 141-78- Skin guinea pig	-6	232-433-8 EC no. 200-578-6 204-465-2
Eval 6 Spece Meth Eval 7 Rout Sour Eval 2 Rout Sour Eval 3 Rout Spec Meth Sour Eval 8 Rout Sour Eval 8 Rout Spec 8 Rout 8 ROUT 8	uation/classification Orange, sweet, ext. cies nod uation piratory or skin sensitisation Substance name ethanol te of exposure cies rce uation vanillin te of exposure cies rce uation vanillin te of exposure cies nod rce uation ethyl-acetate te of exposure cies nod cies nod od cies nod	Based on available da 8028-48 rabbit OECD 405 non-irritant CAS no 64-17-5 Skin mouse ECHA non-sensitizing 121-33- Skin guinea pig 84/449/EEC, B.6 ECHA non-sensitizing 141-78- Skin guinea pig OECD 406	-6	232-433-8 EC no. 200-578-6 204-465-2
Eval 6 Spece Meth Eval 7 Rout Sour Eval 2 Rout Sour Eval 3 Rout Spec Meth Sour Eval 3 Rout Spece Meth Sour Eval 8 Spece Sour Eval 8 Spece Spece 8 Spece 8 Spece 8 Spece 8 Spece 8 Spec 8 Spece 8 Spece 8 Spece 8 Spece 8 Spece 8 Spece 8 Spece 8 Spece 8 Spece 8 Spece 8 Spece 8 Spec 8 Spece 8 Spece 8 Spece 8 Spec 8 Spe 8 Spec 8 Spec 8 Spec 8 Spec 8 Spe 8 Spe 8 Sp	uation/classification Orange, sweet, ext. cies nod uation piratory or skin sensitisation Substance name ethanol te of exposure cies rce uation vanillin te of exposure cies nod cce uation ethyl-acetate te of exposure cies nod rce uation ethyl-acetate te of exposure cies nod rce uation	Based on available da 8028-48 rabbit OECD 405 non-irritant CAS no 64-17-5 Skin mouse ECHA non-sensitizing 121-33- Skin guinea pig 84/449/EEC, B.6 ECHA non-sensitizing 141-78- Skin guinea pig OECD 406 ECHA	-6	232-433-8 EC no. 200-578-6 204-465-2
Eval 6 Spece Meth Eval Ress No 1 Rout Spece Sour Eval 2 Rout Spece Meth Sour Eval 3 Rout Spece Meth Spece Sour Eval Spece Sour Eval Spece Sour Eval Spece Sour Eval Spece Sour Eval Spece Sour Eval Spece Sour Eval Spece Sour Eval Spece Sour Eval Spece Sour Eval Spece Sour Eval Spece Sour Eval Spece Sour Eval Spece Sour Eval Spece Sour Eval Spece Sour Eval Spece Sour Eval Spece Sour Eval Spece Sour Eval Spece Sp	uation/classification Orange, sweet, ext. cies nod uation piratory or skin sensitisation Substance name ethanol te of exposure cies rce uation vanillin te of exposure cies nod rce uation vanillin te of exposure cies nod rce uation ethyl-acetate te of exposure cies nod rce uation ethyl-acetate te of exposure cies nod rce uation	Based on available da 8028-48 rabbit OECD 405 non-irritant CAS no 64-17-5 Skin mouse ECHA non-sensitizing 121-33- Skin guinea pig 84/449/EEC, B.6 ECHA non-sensitizing 141-78- Skin guinea pig OECD 406 ECHA non-sensitizing	-6	232-433-8 EC no. 200-578-6 204-465-2 205-500-4
Eval Spece Meth Eval Res No 1 Rout Spece Sour Eval Spece Meth Sour Eval 3 Rout Spece Meth Sour Eval 4	uation/classification Orange, sweet, ext. cies nod uation piratory or skin sensitisation Substance name ethanol te of exposure cies rce uation vanillin te of exposure cies nod cce uation ethyl-acetate te of exposure cies nod rce uation ethyl-acetate te of exposure cies nod rce uation	Based on available da 8028-48 rabbit OECD 405 non-irritant CAS no 64-17-5 Skin mouse ECHA non-sensitizing 121-33- Skin guinea pig 84/449/EEC, B.6 ECHA non-sensitizing 141-78- Skin guinea pig OECD 406 ECHA	-6	232-433-8 EC no. 200-578-6 204-465-2

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1 ethanol		
No Substance name	CAS no. 64-17-5	EC no. 200-578-6
Carcinogenicity		
Evaluation/classification	based on available data, the c	assincation criteria are not met.
Source Evaluation/classification	ECHA Based on available data, the c	classification criteria are not met.
Method	OECD 416	
Species	rat	
Duration of exposure		12 week/s
Route of exposure	oral	40
2 benzyl acetate	140-11-4	205-399-7
Evaluation/classification		lassification criteria are not met.
Source	ECHA	
Method	OECD 414	
Species	rat	
Type of examination	Prenatal Developmental Toxic	ity Study
NOAEL		
Route of exposure	inhalational	
Evaluation/classification		lassification criteria are not met.
Source	ECHA	
Method	OECD 416	
Species	mouse	
Type of examination	2 generation study	
NOAEL		
Route of exposure	oral	
1 ethanol	64-17-5	200-578-6
No Substance name	CAS no.	EC no.
Reproduction toxicity		
Evaluation/classification	based on available data, the c	classification criteria are not met.
Source	ECHA	localification criteria are not mot
Type of examination	in vitro gene mutation study in	Daciella
4 benzyl acetate	140-11-4	205-399-7
Evaluation/classification		assification criteria are not met.
Source	ECHA Based on evoilable data, the	localification criteria are not mot
		204-409-7
	Based on available data, the c	classification criteria are not met. 204-409-7
Source Evaluation/classification	-	lassification criteria are not mot
	ECHA	204-405-2
2 vanillin	121-33-5	204-465-2
Evaluation/classification	-	lassification criteria are not met.
Source	ECHA	
1 ethanol	64-17-5	200-578-6
No Substance name	CAS no.	EC no.
Germ cell mutagenicity		
Evaluation/classification	Based on available data, the c	lassification criteria are not met.
Source	ECHA	1 1 2 1
Method	OECD 406	
Species	guinea pig	
Route of exposure	Skin	
5 benzyl acetate	140-11-4	205-399-7
Evaluation	sensitizing	
Source	ECHA	
Method	OECD 406	

1	ethanol	64-17-5	200-578-6
Sou	rce	ECHA	
Eval	uation/classification	Based on available data, the classification	n criteria are not met.
2	vanillin	121-33-5	204-465-2
Sou	rce	ECHA	

Trade name: Duftstoff Dark Cherry Product no.: 356999 Current version : 1.0.0, issued: 11.12.2020 Replaced version: -, issued: -Region: GB Evaluation/classification Based on available data, the classification criteria are not met. 204-409-7 3 piperonal 120-57-0 Species rat Method **OECD 453 FCHA** Source Evaluation/classification Based on available data, the classification criteria are not met. 4 benzyl acetate 140-11-4 205-399-7 Route of exposure oral 1200 NOAEL mg/kg bw/d Duration of exposure 103 week/s Species rat Source ECHA Based on available data, the classification criteria are not met. Evaluation/classification STOT - single exposure No data available STOT - repeated exposure No Substance name CAS no. EC no. ethanol 1 64-17-5 200-578-6 Route of exposure oral 14 Duration of exposure week/s Species rat kidneys Target organ Method **OECD** 408 Source **ECHA** Evaluation/classification Based on available data, the classification criteria are not met. 2 vanillin 121-33-5 204-465-2 Route of exposure oral NOEL 650 mg/kg bw/d Species rat Source **ECHA** Evaluation/classification Based on available data, the classification criteria are not met. 204-409-7 3 piperonal 120-57-0 Route of exposure oral Species rat **OECD 408** Method Source ECHA Based on available data, the classification criteria are not met. Evaluation/classification Aspiration hazard No data available

SECTION 12: Ecological information

12.1 Toxicity

Toxi	city to fish (acute)			
No	Substance name	CAS no.		EC no.
1	ethanol	64-17-5		200-578-6
LC5	0		14200	mg/l
Dura	ation of exposure		96	h
Spee	cies	Pimephales promelas		
Meth	nod	EPA		
Sou	ce	ECHA		
2	isopentyl acetate	123-92-2		204-662-3
LC5	0	22	- 46	mg/l
Dura	ation of exposure		96	h
Spee	cies	Danio rerio		
Meth	nod	OECD 203		

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Source	ECHA		
3 vanillin	121-33-5		204-465-2
LC50		57	mg/l
Duration of exposure		96	h
Species	Pimephales promelas		
Method	OECD 203		
Source	ECHA		
4 ethyl-acetate	141-78-6		205-500-4
LC50		230	mg/l
Duration of exposure		96	h
Species	Pimephales promelas		
Source	ECHA		
5 piperonal	120-57-0		204-409-7
LC50		2.5	mg/l
Duration of exposure		96	h
Species	Cyprinus carpio		
Method	OECD 203		
Source	ECHA		205 200 7
6 benzyl acetate	140-11-4	4	205-399-7
LC50 Duration of exposure		4	mg/l
Duration of exposure	Onzias latinos	96	h
Species Source	Oryzias latipes ECHA		
7 Orange, sweet, ext.	8028-48-6		232-433-8
LC50	0020-40-0	0.7	
Duration of exposure		96	h
Species	Pimephales promelas	90	П
Method	OECD 203		
	0200200		
Toxicity to fish (chronic)			
No Substance name	CAS no.		EC no.
1 benzyl acetate	140-11-4		205-399-7
NOEC		0.92	mg/l
		28	day(s)
Duration of exposure	Omercia e latin e e		uuy(0)
Species	Oryzias latipes		uuy(0)
	Oryzias latipes ECHA		
Species			
Species Source			EC no.
Species Source Toxicity to Daphnia (acute) No Substance name 1 ethanol	ECHA		
Species Source Toxicity to Daphnia (acute) No Substance name 1 ethanol EC50	ECHA CAS no.	5012	EC no.
Species Source Toxicity to Daphnia (acute) No Substance name 1 ethanol EC50 Duration of exposure	CAS no. 64-17-5	5012 48	EC no. 200-578-6
Species Source Toxicity to Daphnia (acute) No Substance name 1 ethanol EC50 Duration of exposure Species Species	CAS no. 64-17-5 Ceriodaphnia dubia		EC no. 200-578-6 mg/l
Species Source Toxicity to Daphnia (acute) No Substance name 1 ethanol EC50 Duration of exposure Species Method	CAS no. 64-17-5 Ceriodaphnia dubia ASTM Standard E 729-80		EC no. 200-578-6 mg/l
Species Source Toxicity to Daphnia (acute) No Substance name 1 ethanol EC50 Duration of exposure Species Method Source	ECHA CAS no. 64-17-5 Ceriodaphnia dubia ASTM Standard E 729-80 ECHA		EC no. 200-578-6 mg/l h
Species Source Toxicity to Daphnia (acute) No Substance name 1 ethanol EC50 Duration of exposure Species Method Source 2 vanillin Colspan="2">Colspan="2"	CAS no. 64-17-5 Ceriodaphnia dubia ASTM Standard E 729-80	48	EC no. 200-578-6 mg/l h
Species Source Toxicity to Daphnia (acute) No Substance name 1 ethanol EC50 Duration of exposure Species Method Source Vanillin EC50 EC50	ECHA CAS no. 64-17-5 Ceriodaphnia dubia ASTM Standard E 729-80 ECHA	48 36.79	EC no. 200-578-6 mg/l h 204-465-2 mg/l
Species Source Toxicity to Daphnia (acute) No Substance name 1 ethanol EC50 Duration of exposure Species Method Source 2 vanillin EC50 Duration of exposure Source	ECHA CAS no. 64-17-5 Ceriodaphnia dubia ASTM Standard E 729-80 ECHA 121-33-5	48	EC no. 200-578-6 mg/l h
Species Source Toxicity to Daphnia (acute) No Substance name 1 ethanol EC50 Duration of exposure Species Method Source 2 vanillin EC50 Duration of exposure Species Source 2 vanillin EC50 Duration of exposure Species	ECHA CAS no. 64-17-5 Ceriodaphnia dubia ASTM Standard E 729-80 ECHA 121-33-5 Daphnia magna	48 36.79	EC no. 200-578-6 mg/l h 204-465-2 mg/l
Species Source Toxicity to Daphnia (acute) No Substance name 1 ethanol EC50 Duration of exposure Species Method Source 2 vanillin EC50 Duration of exposure Species Method Species Method	ECHA CAS no. 64-17-5 Ceriodaphnia dubia ASTM Standard E 729-80 ECHA 121-33-5 Daphnia magna OECD 202	48 36.79	EC no. 200-578-6 mg/l h 204-465-2 mg/l
Species Source Toxicity to Daphnia (acute) No Substance name 1 ethanol EC5∪ Duration of exposure Species Method Source 2 vanillin EC50 Duration of exposure Species Method Source	ECHA CAS no. 64-17-5 Ceriodaphnia dubia ASTM Standard E 729-80 ECHA 121-33-5 Daphnia magna OECD 202 ECHA	48 36.79	EC no. 200-578-6 mg/l h 204-465-2 mg/l h
Species Source Toxicity to Daphnia (acute) No Substance name 1 ethanol EC5∪ Duration of exposure Species Method Source 2 vanillin EC50 Duration of exposure Species Method Source 3 ethyl-acetate	ECHA CAS no. 64-17-5 Ceriodaphnia dubia ASTM Standard E 729-80 ECHA 121-33-5 Daphnia magna OECD 202	48 36.79 48	EC no. 200-578-6 mg/l h 204-465-2 mg/l h
Species Source Toxicity to Daphnia (acute) No Substance name 1 ethanol EC50 Duration of exposure Species Method Source 2 vanillin EC50 Duration of exposure Species Method Source 3 ethyl-acetate EC50	ECHA CAS no. 64-17-5 Ceriodaphnia dubia ASTM Standard E 729-80 ECHA 121-33-5 Daphnia magna OECD 202 ECHA	48 36.79 48 1350	EC no. 200-578-6 mg/l h 204-465-2 mg/l h
Species Source Toxicity to Daphnia (acute) No Substance name 1 ethanol EC50 Duration of exposure Species Method Source 2 vanillin EC50 Duration of exposure Species Method Source 3 ethyl-acetate EC50 Duration of exposure	ECHA CAS no. 64-17-5 Ceriodaphnia dubia ASTM Standard E 729-80 ECHA 121-33-5 Daphnia magna OECD 202 ECHA 141-78-6	48 36.79 48	EC no. 200-578-6 mg/l h 204-465-2 mg/l h
Species Source Toxicity to Daphnia (acute) No Substance name 1 ethanol EC50 Duration of exposure Species Method Source 2 vanillin EC50 Duration of exposure Species Method Source 3 ethyl-acetate EC50 Duration of exposure Species Method Source 3 ethyl-acetate EC50 Duration of exposure Species	ECHA CAS no. 64-17-5 Ceriodaphnia dubia ASTM Standard E 729-80 ECHA 121-33-5 Daphnia magna OECD 202 ECHA 141-78-6 Daphnia magna	48 36.79 48 1350	EC no. 200-578-6 mg/l h 204-465-2 mg/l h
Species Source Toxicity to Daphnia (acute) No Substance name 1 ethanol EC50 Duration of exposure Species Method Source 2 vanillin EC50 Duration of exposure Species Method Source 3 ethyl-acetate EC50 Duration of exposure Source 3 ethyl-acetate EC50 Duration of exposure Species Source	ECHA CAS no. 64-17-5 Ceriodaphnia dubia ASTM Standard E 729-80 ECHA 121-33-5 Daphnia magna OECD 202 ECHA 141-78-6 Daphnia magna ECHA	48 36.79 48 1350	EC no. 200-578-6 mg/l h 204-465-2 mg/l h 205-500-4 mg/l h
Species Source Toxicity to Daphnia (acute) No Substance name 1 ethanol EC50 Duration of exposure Species Method Source 2 vanillin EC50 Duration of exposure Species Method Source 3 ethyl-acetate EC50 Duration of exposure Species Method Source 3 ethyl-acetate EC50 Duration of exposure Species Source 3 ethyl-acetate EC50 Duration of exposure Species Source 4 piperonal	ECHA CAS no. 64-17-5 Ceriodaphnia dubia ASTM Standard E 729-80 ECHA 121-33-5 Daphnia magna OECD 202 ECHA 141-78-6 Daphnia magna	48 36.79 48 1350 48	EC no. 200-578-6 mg/l h 204-465-2 mg/l h 205-500-4 mg/l h 205-500-4 205-2
Species Source Toxicity to Daphnia (acute) No Substance name 1 ethanol EC5∪ Duration of exposure Species Method Source Vanillin EC50 Duration of exposure Species Method Source ethyl-acetate Source EC50 Duration of exposure Species Method Source 3 ethyl-acetate EC50 Duration of exposure Species Species Species	ECHA CAS no. 64-17-5 Ceriodaphnia dubia ASTM Standard E 729-80 ECHA 121-33-5 Daphnia magna OECD 202 ECHA 141-78-6 Daphnia magna ECHA	48 36.79 48 1350	EC no. 200-578-6 mg/l h 204-465-2 mg/l h 205-500-4 mg/l h

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Species

Method

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Species	Dophnia magna			
Vethod	Daphnia magna OECD 202			
Source	ECHA			
	140-11-4		205-399-7	
5 benzyl acetate	140-11-4	47		
		17	mg/l	
Duration of exposure	Danhaia magna	48	h	
Species	Daphnia magna OECD 202			
Method Source				
	ECHA		000 400 0	
Orange, sweet, ext.	8028-48-6	0.07	232-433-8	_
EC50		0.67	mg/l	
Duration of exposure	Daulusia na anna	48	h	
Species	Daphnia magna			
Source	OECD 202			
Foxicity to Daphnia (chronic)				
No Substance name	CAS no.		EC no.	
l ethanol	64-17-5		200-578-6	
NOEC		9.6	mg/l	
Duration of exposure		9	day(s)	
Species	Daphnia magna		J. ()	
Source	ECHA			
2 vanillin	121-33-5		204-465-2	
NOEC		5.9	mg/l	
Duration of exposure		21	day(s)	
Species	Daphnia magna			
Source	ECHA			
Foxicity to algae (acute) No Substance name	CAS no.		EC no.	
1 ethanol	64-17-5		200-578-6	
EC50	64-17-5	275		
		72	mg/l	
Duration of exposure	Chlanella vulnaria	12	h	
Species	Chlorella vulgaris			
Method	OECD 201			
Source	ECHA 400.00 0		004 000 0	
2 isopentyl acetate	123-92-2	100	204-662-3	
ErC50	>	100	mg/l	
Duration of exposure Species	Doomodoomus subaries	72	h	
Species Method	Desmodesmus subspica OECD 201	เนธ		
	ECHA 424 22 5		004 405 0	
3 vanillin	121-33-5	400	204-465-2	
ErC50		120	mg/l	
Duration of exposure		72	h	
Species	Pseudokirchneriella subo	apitata		
Method	OECD 201			
Source	ECHA			
1 piperonal	120-57-0	<u>.</u>	204-409-7	
ErC50		31	mg/l	
Duration of exposure		72	h	
Species	Pseudokirchneriella subo	apitata		
Method	OECD 201			
•	ECHA			
5 Orange, sweet, ext.	8028-48-6		232-433-8	
5 Orange, sweet, ext. ErC50		150	mg/l	
Source 5 Orange, sweet, ext. ErC50 Duration of exposure Species		72		

OECD 201

Desmodesmus subspicatus

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Toxicity to algae (chronic) No data available

Bacteria toxicity

No data available

12.2 Persistence and degradability

Bio	degradability				
No	Substance name	CAS no.		EC no.	
1	ethanol	64-17-5		200-578-6	
Туре	9	aerobic biodegradation			
Valu	-	appr.	84	%	
	ation		20	day(s)	
Met		OECD			
Sou		ECHA			
	luation	readily biodegradable			
Valu				%	
2	vanillin	121-33-5		204-465-2	
Valu	-	97 -	100	%	
	ation		14	day(s)	
Met		OECD 301 C			
Sou		ECHA			
	luation	readily biodegradable			
3	ethyl-acetate	141-78-6		205-500-4	
Sou		ECHA			
	luation	readily biodegradable			
4	piperonal	120-57-0		204-409-7	
Туре		aerobic biodegradation			
Valu	-		82	%	
Duration			28	day(s)	
Method		OECD 301 F			
Source		ECHA			
	luation	readily biodegradable			
5	Orange, sweet, ext.	8028-48-6		232-433-8	
Value		72 -	83.4	%	
	ation		28	day(s)	
Met		OECD 301 B			
Evaluation		readily biodegradable			

12.3 Bioaccumulative potential

Bioconcentration factor (BCF)						
No	Substance name		CAS no.		EC no.	
1	Orange, sweet, ext.		8028-48-6		232-433-8	
BCF		32	-	156		
Part	tition coefficient n-octanol/water (log valu	ie)				
No	Substance name		CAS no.		EC no.	
1	ethanol		64-17-5		200-578-6	
log l	Pow			-0.35		
Refe	erence temperature			24	°C	
with	reference to	pH 7,4				
Met	hod	OECD 107				
Sou	rce	ECHA				
2	ethyl-acetate		141-78-6		205-500-4	
log l	Pow			6.8		
Refe	erence temperature			25	°C	
Sou	rce	ECHA				
3	piperonal		120-57-0		204-409-7	

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log Pow Reference temperature			1.2 35	S°	
Method Source	OECD 117 ECHA				
4 benzyl acetate		140-11-4		205-399-7	
log Pow			1.96		
Reference temperature			25	°C	
Source	ECHA				
5 Orange, sweet, ext.		8028-48-6		232-433-8	
log Pow	>=		4		

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

Results of PBT and vPvB as	sessment
PBT assessment	According to the information provided in the supply chain, the mixture does not contain > 0.1% of a substance that is considered to be PBT.
vPvB assessment	According to the information provided in the supply chain, the mixture does not contain > 0.1% of a substance that is considered to be vPvB.

12.6 Other adverse effects

No data available.

12.7 Other information

Other information Do not discharge product unmonitored into the environment.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Disposal of the product should be carried out in accordance with all applicable regulations following consultation with the responsible local authority and the disposal company in an authorised and suitable disposal facility. Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

Packaging

Residues must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

SECTION 14: Transport information

14.1 Transport ADR/RID/ADN

Class	3
Classification code	F1
Packing group	II
Hazard identification no.	33
UN number	UN1266
Proper shipping name	PERFUMERY PRODUCTS
Special Provision 640	640D
Tunnel restriction code	D/E
Label	3

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Trade name: Duftstoff Dark Cherry Product no.: 356999 Current version : 1.0.0, issued: 11.12.2020

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14.2 Transport IMDG Class 3 Packing group Ш **UN** number UN1266 PERFUMERY PRODUCTS Proper shipping name F-E, S-D EmS I abel 3 14.3 Transport ICAO-TI / IATA 3 Class Packing group п **UN** number UN1266 Perfumery products Proper shipping name Label 3 14.4 Other information No data available. 14.5 Environmental hazards Information on environmental hazards, if relevant, please see 14.1 - 14.3. 14.6 Special precautions for user No data available. 14.7 Maritime transport in bulk according to IMO instruments Not relevant **SECTION 15: Regulatory information** 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulations

Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

REACH candidate list of substances of very high concern (SVHC) for authorisation

According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.

Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, MIXTURES AND ARTICLES	
The product is considered being subject to REACH regulation (EC) 1907/2006 annex No 3, 40 XVII. No 3, 40	

 Directive 2012/18/EU
 on the control of major-accident hazards involving dangerous substances

 This product is subject to Part I of Annex I, risk category:
 P5b

Other regulations

Adhere to the national sanitary and occupational safety regulations when using this product. Employment restrictions, according to the regulations for protection of expectant and nursing mothers and the youth health and safety regulations, serving to protect against hazardous materials, should be observed.

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for this mixture.

SECTION 16: Other information

Sources of key data used to compile the data sheet:

Trade name: Duftstoff Dark Cherry Product no.: 356999

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Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case. Directives 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164. National Threshold Limit Values of the corresponding countries as amended in each case. Transport regulations according to ADR, RID, IMDG, IATA as amended in each case. The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding section.

Full text of the H- and EUH- phrases drawn up in sections 2 and 3 (provided not already drawn up in these sections)

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Creation of the safety data sheet

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This information is based on our present knowledge and experience.

The safety data sheet describes products with a view to safety requirements.

It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

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