

Trade name: Duftstoff Bazooka**Product no.:** 216999**Current version :** 1.0.0, issued: 27.11.2020**Replaced version: -, issued: -****Region:** GB**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

Trade name

Duftstoff Bazooka**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)**

Aquatic Chronic 2; H411

Eye Irrit. 2; H319

Flam. Liq. 3; H226

Skin Sens. 1; H317

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**

GHS02



GHS07



GHS09

Signal word

Warning

Trade name: Duftstoff Bazooka**Product no.:** 216999**Current version :** 1.0.0, issued: 27.11.2020**Replaced version:** -, issued: -**Region:** GB**Hazardous component(s) to be indicated on label:**

citral
 ethyl 2,3-epoxy-3-phenylbutyrate
 (R)-p-mentha-1,8-diene
 methyl cinnamate
 piperonal
 4-hydroxy-2,5-dimethylfuran-2(3H)-one
 cinnamaldehyde

Hazard statement(s)

H226 Flammable liquid and vapour.
 H317 May cause an allergic skin reaction.
 H319 Causes serious eye irritation.
 H411 Toxic to aquatic life with long lasting effects.

Hazard statements (EU)

EUH066 Repeated exposure may cause skin dryness or cracking.

Precautionary statement(s)

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P261 Avoid breathing vapours/spray.
 P273 Avoid release to the environment.
 P280 Wear protective gloves/eye protection.
 P370+P378 In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide to extinguish.
 P391 Collect spillage.

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		Additional information	
	CAS / EC / Index / REACH no	Classification (EC) 1272/2008 (CLP)	Concentration	%
1	isopentyl acetate			
	123-92-2 204-662-3 607-130-00-2 01-2119548408-32	Flam. Liq. 3; H226 EUH066	>= 10.00 - < 25.00	wt%
2	benzyl acetate			
	140-11-4 205-399-7 - 01-2119638272-42	Aquatic Chronic 3; H412	>= 5.00 - < 10.00	wt%

Trade name: Duftstoff Bazooka

Product no.: 216999

Current version : 1.0.0, issued: 27.11.2020

Replaced version: -, issued: -

Region: GB

3	ethyl butyrate				
	105-54-4 203-306-4 - 01-2120118576-54	Flam. Liq. 3; H226	>=	5.00 - < 10.00	wt%
4	citral				
	5392-40-5 226-394-6 605-019-00-3 01-2119462829-23	Eye Irrit. 2; H319 Skin Irrit. 2; H315 Skin Sens. 1B; H317	>=	5.00 - < 10.00	wt%
5	undecan-4-olide				
	104-67-6 203-225-4 - -	Aquatic Chronic 3; H412	<	5.00	wt%
6	vanillin				
	121-33-5 204-465-2 - -	Eye Irrit. 2; H319	<	5.00	wt%
7	ethyl valerate				
	539-82-2 208-726-1 - -	-	<	5.00	wt%
8	ethyl 2,3-epoxy-3-phenylbutyrate				
	77-83-8 201-061-8 - 01-2119967770-28	Aquatic Chronic 2; H411 Skin Sens. 1B; H317	<	5.00	wt%
9	ethanol				
	64-17-5 200-578-6 603-002-00-5 01-2119457610-43	Flam. Liq. 2; H225 Eye Irrit. 2; H319	<	5.00	wt%
10	n-butyl acetate				
	123-86-4 204-658-1 607-025-00-1 -	EUH066 Flam. Liq. 3; H226 STOT SE 3; H336	<	5.00	wt%
11	3-methylbutyl butyrate				
	106-27-4 203-380-8 - 01-2120762245-55	Flam. Liq. 3; H226 Aquatic Chronic 2; H411	<	5.00	wt%
12	2-methylbutyl acetat				
	624-41-9 210-843-8 607-130-00-2 -	EUH066 Flam. Liq. 3; H226	<	5.00	wt%
13	allyl-hexanoate				
	123-68-2 204-642-4 - 01-2119983573-26	Acute Tox. 3; H301 Acute Tox. 3; H311 Acute Tox. 3; H331 Aquatic Acute 1; H400 Aquatic Chronic 3; H412	<	5.00	wt%
14	3-ethoxy-4-hydroxybenzaldehyde				
	121-32-4	Eye Irrit. 2; H319	<	5.00	wt%

Trade name: Duftstoff Bazooka

Product no.: 216999

Current version : 1.0.0, issued: 27.11.2020

Replaced version: -, issued: -

Region: GB

	204-464-7 - -			
15	ethyl-acetate			
	141-78-6 205-500-4 607-022-00-5 01-2119475103-46	EUH066 Eye Irrit. 2; H319 Flam. Liq. 2; H225 STOT SE 3; H336	< 5.00	wt%
16	Methyl salicylate			
	119-36-8 204-317-7 - -	Acute Tox. 4; H302 Repr. 2; H361	< 5.00	wt%
17	(R)-p-mentha-1,8-diene			
	5989-27-5 227-813-5 601-029-00-7 01-2119529223-47	Flam. Liq. 3; H226 Skin Irrit. 2; H315 Skin Sens. 1; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	< 5.00	wt%
18	benzyl alcohol			
	100-51-6 202-859-9 603-057-00-5 01-2119492630-38	Acute Tox. 4; H302 Acute Tox. 4; H332 Eye Irrit. 2; H319	< 2.50	wt%
19	ethyl-lactate			
	97-64-3 202-598-0 607-129-00-7 01-2120809949-37	Flam. Liq. 3; H226 Skin Irrit. 2; H315 Eye Dam. 1; H318 STOT SE 3; H335	< 2.50	wt%
20	methyl cinnamate			
	103-26-4 203-093-8 - 01-2119979458-16	Skin Sens. 1B; H317	< 2.50	wt%
21	piperonal			
	120-57-0 204-409-7 - 01-2119983608-21	Skin Sens. 1B; H317	< 2.50	wt%
22	4-hydroxy-2,5-dimethylfuran-2(3H)-one			
	3658-77-3 222-908-8 - -	Acute Tox. 4; H302 Skin Sens. 1; H317 Eye Irrit. 2; H319	< 2.50	wt%
23	cinnamaldehyde			
	104-55-2 203-213-9 - 01-2119935242-45	Acute Tox. 4; H312 Skin Irrit. 2; H315 Skin Sens. 1; H317 Eye Irrit. 2; H319	< 0.50	wt%

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

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

Full text for the notes: pls. see section 16 "Notes relating to the identification, classification and labelling of substances ((EC) No 1272/2008, Annex VI)".

Trade name: Duftstoff Bazooka

Product no.: 216999

Current version : 1.0.0, issued: 27.11.2020

Replaced version: -, issued: -

Region: GB

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. In case of allergic symptoms, especially respiratory tract related, seek medical help immediately.

After inhalation

Remove affected persons from dangerous area by observing suitable respiratory protection measures. Ensure supply of fresh air. Irregular breathing/no breathing: artificial respiration.

After skin contact

In case of contact with skin wash off with water. Consult a doctor if skin irritation persists.

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). Seek medical assistance.

After ingestion

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

4.2 Most important symptoms and effects, both acute and delayed

Effects

In the case of swallowing with subsequent vomiting, aspiration of the lungs can occur which can lead to chemical pneumonia or asphyxiation.

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

In the event of fire, the following can be released: Carbon monoxide (CO); Carbon dioxide (CO₂); Vapours are heavier than air and may spread near ground to sources of ignition. May travel considerable distance to source of ignition and flash back.

5.3 Advice for firefighters

Use self-contained breathing apparatus. Wear full protective suit. Containers close to fire should be transferred to a safe place. Cool closed containers exposed to fire with water. Run-off water from fire fighting must not be discharged into drains or enter surface 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.

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. In case of entry into waterways, soil or drains, inform the responsible authorities.

Trade name: Duftstoff Bazooka**Product no.:** 216999**Current version :** 1.0.0, issued: 27.11.2020**Replaced version:** -, issued: -**Region:** GB**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. Provide eye wash fountain in work area. Have emergency shower available.

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. Protect from heat and direct sunlight.

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.

Incompatible products

Substances to be avoided, see section 10.

7.3 Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection**8.1 Control parameters****Occupational exposure limit values**

No	Substance name	CAS no.	EC no.
1	isopentyl acetate	123-92-2	204-662-3
	2000/39/EC		
	Isopentylacetate		
	WEL short-term (15 min reference period)	540	mg/m ³ 100 ppm
	WEL long-term (8-hr TWA reference period)	270	mg/m ³ 50 ppm
	List of approved workplace exposure limits (WELs) / EH40		
	Pentyl acetates (all isomers)		
	WEL short-term (15 min reference period)	541	mg/m ³ 100 ppm
	WEL long-term (8-hr TWA reference period)	270	mg/m ³ 50 ppm
2	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/m ³ 1000 ppm
3	n-butyl acetate	123-86-4	204-658-1

Trade name: Duftstoff Bazooka

Product no.: 216999

Current version : 1.0.0, issued: 27.11.2020

Replaced version: -, issued: -

Region: GB

List of approved workplace exposure limits (WELs) / EH40					
Butyl acetate					
	WEL short-term (15 min reference period)	966	mg/m ³	200	ppm
	WEL long-term (8-hr TWA reference period)	724	mg/m ³	150	ppm
EU 2019/1831					
n-Butyl acetate					
	WEL short-term (15 min reference period)	723	mg/m ³	150	ppm
	WEL long-term (8-hr TWA reference period)	241	mg/m ³	50	ppm
4	2-methylbutyl acetat	624-41-9		210-843-8	
List of approved workplace exposure limits (WELs) / EH40					
Pentyl acetates (all isomers)					
	WEL short-term (15 min reference period)	541	mg/m ³	100	ppm
	WEL long-term (8-hr TWA reference period)	270	mg/m ³	50	ppm
5	ethyl-acetate	141-78-6		205-500-4	
2017/164/EU					
Ethyl acetate					
	WEL short-term (15 min reference period)	1468	mg/m ³	400	ppm
	WEL long-term (8-hr TWA reference period)	734	mg/m ³	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 no	
	Route of exposure	Exposure time	Effect	Value	
1	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/m ³
2	ethyl butyrate			105-54-4 203-306-4	
	dermal	Long term (chronic)	systemic	2.33	mg/kg/day
	inhalative	Long term (chronic)	systemic	49.3	mg/m ³
3	citral			5392-40-5 226-394-6	
	dermal	Long term (chronic)	systemic	1.7	mg/kg/day
	dermal	Long term (chronic)	local	140	µg/cm ²
	inhalative	Long term (chronic)	systemic	9	mg/m ³
4	ethyl 2,3-epoxy-3-phenylbutyrate			77-83-8 201-061-8	
	dermal	Long term (chronic)	systemic	0.7	mg/kg/day
	inhalative	Long term (chronic)	systemic	2.45	mg/m ³
5	ethanol			64-17-5 200-578-6	
	dermal	Long term (chronic)	systemic	343	mg/kg/day
	inhalative	Long term (chronic)	systemic	950	mg/m ³
6	allyl-hexanoate			123-68-2 204-642-4	
	dermal	Long term (chronic)	systemic	4.3	mg/kg/day
	inhalative	Long term (chronic)	systemic	15	mg/m ³
7	ethyl-acetate			141-78-6 205-500-4	
	dermal	Long term (chronic)	systemic	63	mg/kg/day
	inhalative	Short term (acut)	systemic	1468	mg/m ³

Trade name: Duftstoff Bazooka

Product no.: 216999

Current version : 1.0.0, issued: 27.11.2020

Replaced version: -, issued: -

Region: GB

	inhalative	Long term (chronic)	local	734	mg/m ³
	inhalative	Short term (acut)	local	1468	mg/m ³
	inhalative	Long term (chronic)	systemic	734	mg/m ³
8	(R)-p-mentha-1,8-diene			5989-27-5 227-813-5	
	dermal	Short term (acut)	local	222	µg/cm ²
	inhalative	Long term (chronic)	systemic	33.3	mg/m ³
9	benzyl alcohol			100-51-6 202-859-9	
	dermal	Long term (chronic)	systemic	8	mg/kg/day
	dermal	Short term (acut)	systemic	40	mg/kg/day
	inhalative	Long term (chronic)	systemic	22	mg/m ³
	inhalative	Short term (acut)	systemic	110	mg/m ³

DNEL value (consumer)

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	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/m ³
2	ethyl butyrate			105-54-4 203-306-4	
	oral	Long term (chronic)	systemic	0.833	mg/kg/day
	dermal	Long term (chronic)	systemic	0.833	mg/kg/day
	inhalative	Long term (chronic)	systemic	7.4	mg/m ³
3	citral			5392-40-5 226-394-6	
	oral	Long term (chronic)	systemic	0.6	mg/kg/day
	dermal	Long term (chronic)	systemic	1	mg/kg/day
	dermal	Long term (chronic)	local	140	µg/cm ²
	inhalative	Long term (chronic)	systemic	2.7	mg/m ³
4	ethyl 2,3-epoxy-3-phenylbutyrate			77-83-8 201-061-8	
	oral	Long term (chronic)	systemic	0.35	mg/kg/day
	dermal	Long term (chronic)	systemic	0.35	mg/kg/day
	inhalative	Long term (chronic)	systemic	0.61	mg/m ³
5	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/m ³
6	allyl-hexanoate			123-68-2 204-642-4	
	oral	Long term (chronic)	systemic	2.1	mg/kg/day
	dermal	Long term (chronic)	systemic	2.1	mg/kg/day
	inhalative	Long term (chronic)	systemic	3.7	mg/m ³
7	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/m ³
	inhalative	Long term (chronic)	local	367	mg/m ³
	inhalative	Short term (acut)	local	734	mg/m ³
	inhalative	Long term (chronic)	systemic	367	mg/m ³
8	(R)-p-mentha-1,8-diene			5989-27-5 227-813-5	

Trade name: Duftstoff Bazooka

Product no.: 216999

Current version : 1.0.0, issued: 27.11.2020

Replaced version: -, issued: -

Region: GB

	oral	Long term (chronic)	systemic	4.76	mg/kg/day
	dermal	Short term (acut)	local	0.111	mg/cm ²
	inhalative	Long term (chronic)	systemic	8.33	mg/m ³
9	benzyl alcohol			100-51-6 202-859-9	
	oral	Long term (chronic)	systemic	4	mg/kg/day
	oral	Short term (acut)	systemic	20	mg/kg/day
	dermal	Long term (chronic)	systemic	4	mg/kg/day
	dermal	Long term (chronic)	systemic	20	mg/kg/day
	inhalative	Long term (chronic)	systemic	5.4	mg/m ³
	inhalative	Short term (acut)	systemic	4	mg/m ³

PNEC values

No	Substance name	ecological compartment	Type	CAS / EC no	
				Value	
1	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
2	ethyl butyrate			105-54-4 203-306-4	
	water		fresh water	29.7	µg/L
	water		marine water	2.97	µg/L
	water		fresh water sediment	0.173	mg/kg dry weight
	water		marine water sediment	17.3	µg/kg dry weight
	soil		-	17.1	µg/kg dry weight
	sewage treatment plant		-	23.6	mg/L
3	citral			5392-40-5 226-394-6	
	water		fresh water	0.007	mg/L
	water		marine water	0.001	mg/L
	water		Aqua intermittent	0.068	mg/L
	water		fresh water sediment	0.125	mg/kg dry weight
	water		marine water sediment	0.013	mg/kg dry weight
	soil		-	0.021	mg/kg dry weight
	sewage treatment plant		-	1.6	mg/L
4	ethyl 2,3-epoxy-3-phenylbutyrate			77-83-8 201-061-8	
	water		fresh water	0.008	mg/L
	water		marine water	8.4	µg/L
	water		Aqua intermittent	0.084	mg/L
	water		fresh water sediment	0.214	mg/kg dry weight
	water		marine water sediment	0.021	mg/kg dry weight
	soil		-	0.038	mg/kg dry weight
	sewage treatment plant		-	10	mg/L
	secondary poisoning		-	23.3	mg/kg food
5	ethanol			64-17-5	

Trade name: Duftstoff Bazooka

Product no.: 216999

Current version : 1.0.0, issued: 27.11.2020

Replaced version: -, issued: -

Region: GB

			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
6	allyl-hexanoate		123-68-2 204-642-4
water	fresh water	0.117	µg/L
water	marine water	0.012	µg/L
water	fresh water sediment	4.46	µg/kg
water	marine water sediment	0.446	µg/kg
soil	-	0.825	µg/kg
sewage treatment plant	-	10	mg/L
secondary poisoning	-	47.56	mg/kg food
7	ethyl-acetate		141-78-6 205-500-4
water	fresh water	0.24	mg/L
water	marine water	0.024	mg/L
water	Aqua intermittent	1.65	mg/L
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
8	(R)-p-mentha-1,8-diene		5989-27-5 227-813-5
water	fresh water	0.0054	mg/L
water	marine water	0.00054	µg/L
water	fresh water sediment	1.32	mg/kg dry weight
water	marine water sediment	0.13	mg/kg dry weight
soil	-	0.262	mg/kg dry weight
sewage treatment plant	-	1.8	mg/L
secondary poisoning	-	3.33	mg/kg food
9	benzyl alcohol		100-51-6 202-859-9
water	fresh water	1	mg/L
water	marine water	0.1	mg/L
water	Aqua intermittent	2.3	mg/L
water	fresh water sediment	5.27	mg/kg
	with reference to: dry weight		
water	marine water sediment	0.527	mg/kg
	with reference to: dry weight		
soil	-	0.456	mg/kg
	with reference to: dry weight		
sewage treatment plant	-	39	mg/L

Trade name: Duftstoff Bazooka**Product no.:** 216999**Current version :** 1.0.0, issued: 27.11.2020**Replaced version:** -, issued: -**Region:** GB

8.2 Exposure controls

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 workstation 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.

Appropriate Material	nitrile		
Appropriate Material	neoprene		
Appropriate Material	Polychloroprene		
Material thickness	>	0.5	mm
Breakthrough time	>	120	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			
Odour			
fruity			
Odour threshold			
No data available			
pH value			
No data available			
Boiling point / boiling range			
Value	>	35	°C
Melting point / melting range			
No data available			
Decomposition point / decomposition range			
No data available			
Flash point			
Value		27	°C
Auto-ignition temperature			

Trade name: Duftstoff Bazooka

Product no.: 216999

Current version : 1.0.0, issued: 27.11.2020

Replaced version: -, issued: -

Region: GB

No data available			
Oxidising properties			
not oxidizing			
Explosive properties			
This product is not explosive. In and after use danger of production of inflammable compounds.			
Flammability (solid, gas)			
No data available			
Lower flammability or explosive limits			
No data available			
Upper flammability or explosive limits			
No data available			
Vapour pressure			
No data available			
Vapour density			
No data available			
Evaporation rate			
No data available			
Relative density			
No data available			
Density			
Value	0.95	g/cm ³	
Reference temperature	20	°C	
Solubility in water			
No data available			
Solubility(ies)			
No data available			
Partition coefficient: n-octanol/water			
No	Substance name	CAS no.	EC no.
1	citral	5392-40-5	226-394-6
	log Pow	2.76	
	Reference temperature	25	°C
	Method	OECD 107	
	Source	ECHA	
2	ethanol	64-17-5	200-578-6
	log Pow	-0.35	
	Reference temperature	24	°C
	with reference to	pH 7,4	
	Method	OECD 107	
	Source	ECHA	
3	ethyl-acetate	141-78-6	205-500-4
	log Pow	6.8	
	Reference temperature	25	°C
	Source	ECHA	
4	benzyl alcohol	100-51-6	202-859-9
	log Pow	1.05	
	Reference temperature	20	°C
	Source	ECHA	
Viscosity			
No data available			

Trade name: Duftstoff Bazooka

Product no.: 216999

Current version : 1.0.0, issued: 27.11.2020

Replaced version: -, issued: -

Region: GB

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

Oxidizing agents

10.6 Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information**11.1 Information on toxicological effects****Acute oral toxicity (result of the ATE calculation for the mixture)****No Product Name****1 Duftstoff Bazooka**

Comments

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).

Acute oral toxicity**No Substance name****CAS no.****EC no.****1 isopentyl acetate****123-92-2****204-662-3**

LD50

7400

mg/kg bodyweight

Species

rat

Source

ECHA

2 citral**5392-40-5****226-394-6**

LD50

appr. 6800

mg/kg bodyweight

Species

rat

Method

BASF-Test

Source

ECHA

3 ethanol**64-17-5****200-578-6**

LD50

10470

mg/kg bodyweight

Species

rat

with reference to

95% ethanol in water

Method

OECD 401

Source

ECHA

4 ethyl-acetate**141-78-6****205-500-4**

LD50

> 5600

mg/kg bodyweight

Species

rat

Source

ECHA

5 benzyl alcohol**100-51-6****202-859-9**

Trade name: Duftstoff Bazooka

Product no.: 216999

Current version : 1.0.0, issued: 27.11.2020

Replaced version: -, issued: -

Region: GB

LD50	=	1620	mg/kg bodyweight
Species		rat	
Source		ECHA	

Acute dermal toxicity (result of the ATE calculation for the mixture)

No	Product Name
1	Duftstoff Bazooka
Comments	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 dermal > 2000 mg/kg).

Acute dermal toxicity

No	Substance name	CAS no.	EC no.
1	citral	5392-40-5	226-394-6
LD50	>	2000	mg/kg bodyweight
Species		rabbit	
Method		BASF-Test	
Source		ECHA	
2	ethyl-acetate	141-78-6	205-500-4
LD50	>	20000	mg/kg bodyweight
Species		rabbit	
Source		ECHA	

Acute inhalational toxicity (result of the ATE calculation for the mixture)

No	Product Name
1	Duftstoff Bazooka
Comments	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 for inhalation: > 20.000 ppmV (gases), > 20 mg/l (vapours), > 5 mg/l (dusts/mists).

Acute inhalational toxicity

No	Substance name	CAS no.	EC no.
1	ethanol	64-17-5	200-578-6
LC50		124.7	mg/l
Duration of exposure		4	h
State of aggregation		Vapour	
Species		rat	
Method		OECD 403	
Source		ECHA	
2	benzyl alcohol	100-51-6	202-859-9
LC50	>	4.178	mg/l
Duration of exposure		4	h
State of aggregation		mist	
Species		rat	
Method		OECD 403	
Source		ECHA	

Skin corrosion/irritation

No	Substance name	CAS no.	EC no.
1	ethanol	64-17-5	200-578-6
Species		rabbit	
Method		OECD 404	
Source		ECHA	
Evaluation		non-irritant	
2	ethyl-acetate	141-78-6	205-500-4

Trade name: Duftstoff Bazooka

Product no.: 216999

Current version : 1.0.0, issued: 27.11.2020

Replaced version: -, issued: -

Region: GB

Species	rabbit
Method	OECD 404
Source	ECHA
Evaluation	low-irritant
Evaluation/classification	Based on available data, the classification criteria are not met.
3	(R)-p-mentha-1,8-diene 5989-27-5 227-813-5
Duration of exposure	4 h
Method	OECD 404
Source	ECHA
Evaluation	non-irritant
Evaluation/classification	Based on available data, the classification criteria are met.
4	benzyl alcohol 100-51-6 202-859-9
Species	rabbit
Method	OECD 404
Source	ECHA
Evaluation	non-irritant

Serious eye damage/irritation

No	Substance name	CAS no.	EC no.
1	citral	5392-40-5	226-394-6
Species	rabbit		
Method	OECD 405		
Source	ECHA		
Evaluation	irritant		
2	ethanol	64-17-5	200-578-6
Species	rabbit		
Method	OECD 405		
Source	ECHA		
Evaluation	irritant		
3	ethyl-acetate	141-78-6	205-500-4
Species	rabbit		
Method	OECD 405		
Source	ECHA		
Evaluation	low-irritant		
4	(R)-p-mentha-1,8-diene	5989-27-5	227-813-5
Method	OECD 405		
Source	ECHA		
Evaluation	non-irritant		
5	benzyl alcohol	100-51-6	202-859-9
Species	rabbit		
Method	OECD 405		
Source	ECHA		
Evaluation	irritant		

Respiratory or skin sensitisation

No	Substance name	CAS no.	EC no.
1	citral	5392-40-5	226-394-6
Route of exposure	Skin		
Species	guinea pig		
Method	OECD 406		
Source	ECHA		
Evaluation	non-sensitizing		
2	ethanol	64-17-5	200-578-6
Route of exposure	Skin		
Species	mouse		
Source	ECHA		
Evaluation	non-sensitizing		
3	ethyl-acetate	141-78-6	205-500-4
Route of exposure	Skin		

Trade name: Duftstoff Bazooka

Product no.: 216999

Current version : 1.0.0, issued: 27.11.2020

Replaced version: -, issued: -

Region: GB

Species	guinea pig
Method	OECD 406
Source	ECHA
Evaluation	non-sensitizing
4	(R)-p-mentha-1,8-diene 5989-27-5 227-813-5
Route of exposure	Skin
Species	mouse
Method	OECD 429
Source	ECHA
Evaluation	sensitizing

Germ cell mutagenicity			
No	Substance name	CAS no.	EC no.
1	citral	5392-40-5	226-394-6
Method	OECD 471		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2	ethanol	64-17-5	200-578-6
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
3	(R)-p-mentha-1,8-diene	5989-27-5	227-813-5
Type of examination	Chromosome aberration test		
Species	Chinese Hamster Ovary (CHO-K1) cells		
Method	OECD 473		
Source	ECHA		

Reproduction toxicity			
No	Substance name	CAS no.	EC no.
1	citral	5392-40-5	226-394-6
Method	OECD 414		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2	ethanol	64-17-5	200-578-6
Route of exposure	oral		
NOAEL			
Type of examination	2 generation study		
Species	mouse		
Method	OECD 416		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
Route of exposure	inhalational		
NOAEL			
Type of examination	Prenatal Developmental Toxicity Study		
Species	rat		
Method	OECD 414		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

Carcinogenicity			
No	Substance name	CAS no.	EC no.
1	citral	5392-40-5	226-394-6
Method	OECD 453		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2	ethanol	64-17-5	200-578-6
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
3	(R)-p-mentha-1,8-diene	5989-27-5	227-813-5
Route of exposure	oral		

Trade name: Duftstoff Bazooka

Product no.: 216999

Current version : 1.0.0, issued: 27.11.2020

Replaced version: -, issued: -

Region: GB

Duration of exposure	103	week/s
Species	rat	
Method	OECD 451	
Source	ECHA	
Evaluation/classification	Based on available data, the classification criteria are not met.	
4	benzyl alcohol	100-51-6 202-859-9
Source	ECHA	
Evaluation/classification	Based on available data, the classification criteria are not met.	

STOT - single exposure

No data available

STOT - repeated exposure

No	Substance name	CAS no.	EC no.
1	ethanol	64-17-5	200-578-6
Route of exposure	oral		
Duration of exposure	14	week/s	
Species	rat		
Target organ	kidneys		
Method	OECD 408		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2	(R)-p-mentha-1,8-diene	5989-27-5	227-813-5
Route of exposure	oral		
NOAEL	1650	mg/kg bw/d	
Species	mouse		
Method	OECD 407		
Source	ECHA		

Aspiration hazard

No data available

SECTION 12: Ecological information**12.1 Toxicity**

Toxicity to fish (acute)			
No	Substance name	CAS no.	EC no.
1	isopentyl acetate	123-92-2	204-662-3
LC50	22	- 46	mg/l
Duration of exposure		96	h
Species	Danio rerio		
Method	OECD 203		
Source	ECHA		
2	citral	5392-40-5	226-394-6
LC50		6.78	mg/l
Duration of exposure		96	h
Species	Leuciscus idus		
Method	DIN 38412		
Source	ECHA		
3	ethanol	64-17-5	200-578-6
LC50		14200	mg/l
Duration of exposure		96	h
Species	Pimephales promelas		
Method	EPA		
Source	ECHA		
4	ethyl-acetate	141-78-6	205-500-4
LC50		230	mg/l
Duration of exposure		96	h
Species	Pimephales promelas		

Trade name: Duftstoff Bazooka

Product no.: 216999

Current version : 1.0.0, issued: 27.11.2020

Replaced version: -, issued: -

Region: GB

Source		ECHA	
5	(R)-p-mentha-1,8-diene	5989-27-5	227-813-5
LC50		0.72	mg/l
Duration of exposure		96	h
Species	Pimephales promelas		
Method	OECD 203		
Source	ECHA		
6	benzyl alcohol	100-51-6	202-859-9
LC50		460	mg/l
Duration of exposure		96	h
Species	Pimephales promelas		
Method	EPA OPP 72-1		
Source	ECHA		

Toxicity to fish (chronic)

No data available

Toxicity to Daphnia (acute)

No	Substance name	CAS no.	EC no.
1	citral	5392-40-5	226-394-6
EC50		6.8	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	79/831/EEC		
Source	ECHA		
2	ethanol	64-17-5	200-578-6
EC50		5012	mg/l
Duration of exposure		48	h
Species	Ceriodaphnia dubia		
Method	ASTM Standard E 729-80		
Source	ECHA		
3	ethyl-acetate	141-78-6	205-500-4
EC50		1350	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Source	ECHA		
4	(R)-p-mentha-1,8-diene	5989-27-5	227-813-5
EC50		0.36	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		
5	benzyl alcohol	100-51-6	202-859-9
EC50		230	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		

Toxicity to Daphnia (chronic)

No	Substance name	CAS no.	EC no.
1	ethanol	64-17-5	200-578-6
NOEC		9.6	mg/l
Duration of exposure		9	day(s)
Species	Daphnia magna		
Source	ECHA		
2	benzyl alcohol	100-51-6	202-859-9
NOEC		51	mg/l
Duration of exposure		21	day(s)

Trade name: Duftstoff Bazooka

Product no.: 216999

Current version : 1.0.0, issued: 27.11.2020

Replaced version: -, issued: -

Region: GB

Species	Daphnia magna
Method	OECD 211
Source	ECHA

Toxicity to algae (acute)			
No	Substance name	CAS no.	EC no.
1	isopentyl acetate	123-92-2	204-662-3
ErC50		>	100 mg/l
Duration of exposure		72	h
Species	Desmodesmus subspicatus		
Method	OECD 201		
Source	ECHA		
2	citral	5392-40-5	226-394-6
EC50		103.8	mg/l
Duration of exposure		72	h
Species	Desmodesmus subspicatus		
Method	DIN 38412		
Source	ECHA		
3	ethanol	64-17-5	200-578-6
EC50		275	mg/l
Duration of exposure		72	h
Species	Chlorella vulgaris		
Method	OECD 201		
Source	ECHA		
4	benzyl alcohol	100-51-6	202-859-9
EC50		500	mg/l
Duration of exposure		72	h
Species	Pseudokirchneriella subcapitata		
Method	OECD 201		
Source	ECHA		

Toxicity to algae (chronic)			
No	Substance name	CAS no.	EC no.
1	benzyl alcohol	100-51-6	202-859-9
NOEC		31072	mg/l
Duration of exposure		72	
Species	Pseudokirchneriella subcapitata		
Method	OECD 201		
Source	ECDIN		

Bacteria toxicity	
No data available	

12.2 Persistence and degradability

Biodegradability			
No	Substance name	CAS no.	EC no.
1	citral	5392-40-5	226-394-6
Type	BSB		
Value	>	90	%
Duration		28	day(s)
Method	92/69/EEC, C.4-C		
Source	ECHA		
2	ethanol	64-17-5	200-578-6
Type	aerobic biodegradation		
Value	appr.	84	%
Duration		20	day(s)
Method	OECD		
Source	ECHA		
Evaluation	readily biodegradable		

Trade name: Duftstoff Bazooka

Product no.: 216999

Current version : 1.0.0, issued: 27.11.2020

Replaced version: -, issued: -

Region: GB

Value	%
3 ethyl-acetate	141-78-6 205-500-4
Source Evaluation	ECHA readily biodegradable
4 benzyl alcohol	100-51-6 202-859-9
Type	BOD of the ThOD
Value	92 - 96 %
Duration	14 day(s)
Method	OECD 301 C
Source Evaluation	ECHA readily biodegradable

12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water			
No	Substance name	CAS no.	EC no.
1	citral	5392-40-5	226-394-6
log Pow		2.76	
Reference temperature		25	°C
Method	OECD 107		
Source	ECHA		
2	ethanol	64-17-5	200-578-6
log Pow		-0.35	
Reference temperature		24	°C
with reference to	pH 7,4		
Method	OECD 107		
Source	ECHA		
3	ethyl-acetate	141-78-6	205-500-4
log Pow		6.8	
Reference temperature		25	°C
Source	ECHA		
4	benzyl alcohol	100-51-6	202-859-9
log Pow		1.05	
Reference temperature		20	°C
Source	ECHA		

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	
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 let enter the product into drains or waterways and do not store on public depositories.

Trade name: Duftstoff Bazooka**Product no.:** 216999**Current version :** 1.0.0, issued: 27.11.2020**Replaced version:** -, issued: -**Region:** GB**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

Residuals 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	III
UN number	UN1266
Proper shipping name	PERFUMERY PRODUCTS
Tunnel restriction code	E
Label	3
Environmentally hazardous substance mark	Symbol "fish and tree"

14.2 Transport IMDG

Class	3
Packing group	III
UN number	UN1266
Proper shipping name	PERFUMERY PRODUCTS
Technical name	(R)-p-mentha-1,8-diene
EmS	F-E, S-D
Label	3
Marine pollutant mark	Symbol "fish and tree"

14.3 Transport ICAO-TI / IATA

Class	3
Packing group	III
UN number	UN1266
Proper shipping name	Perfumery products
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 Transport in bulk according to Annex II of Marpol and the IBC Code

Not relevant

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulations**

Trade name: Duftstoff Bazooka**Product no.:** 216999**Current version :** 1.0.0, issued: 27.11.2020**Replaced version:** -, issued: -**Region:** GB**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 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:	E2, P5c
--	---------

If the properties of the substance/product give rise to more than one classification, for the purposes of 2012/18/UE, the lowest qualifying quantities set out in Part 1 and Part 2 of Annex I shall apply.

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:**

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)

H225	Highly flammable liquid and vapour.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H361	Suspected of damaging fertility or the unborn child.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Notes relating to the identification, classification and labelling of substances and mixtures ((EC) No 1272/2008, Annex VI)

C Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.

Trade name: Duftstoff Bazooka

Product no.: 216999

Current version : 1.0.0, issued: 27.11.2020

Replaced version: -, issued: -

Region: GB

Creation of the safety data sheet

UMCO GmbH - D-21107 Hamburg, Georg-Wilhelm-Strasse 187, Tel.: +49(40)555 546 300, Fax: +49(40)555 546 357, e-mail: umco@umco.de

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.

Document protected by copyright. Alterations or reproductions require the express written permission of UMCO GmbH.

Prod-ID 769555