Replaced version: 4.0.0, issued: 18.08.2022

Region: GB

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

#### 1.1 **Product identifier**

Trade name

## einzA Lackspray 96-601 hitzebeständig

1.2 Relevant identified uses of the substance or mixture and uses advised against Relevant identified uses of the substance or mixture decorative paints/finishes

Uses advised against No data available.

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

Address einzA Farben GmbH & Co KG Junkersstraße 13 30179 Hannover +49 (0)511 67490-0 Telephone no. Fax no. +49 (0)511 67490-20 e-mail info@einzA.com Advice on Safety Data Sheet

#### 1.4 **Emergency telephone number**

sdb\_info@umco.de

For medical advice (in German and English): +49 (0)551 192 40 (Giftinformationszentrum Nord)

## **SECTION 2: Hazards identification**

#### 2.1 Classification of the substance or mixture

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

Aerosol 1; H222 Aquatic Chronic 3; H412 Eye Irrit. 2; H319 STOT SE 3; H336 Asp. Tox. 1; H304

#### **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	GHS
Signal word	

Danger	
Hazardous component(s) to ethyl-acetate Hydrocarbons, C9-C12, n-alka	<b>be indicated on label:</b> nes, isoalkanes, cyclics, aromatics (2-25%)
Hazard statement(s)	
H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H412	Harmful to aquatic life with long lasting effects.
Hazard statements (EU) EUH066	Repeated exposure may cause skin dryness or cracking.
Precautionary statement(s) P101	If medical advice is needed, have product container or label at hand.

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P102	Keep out of re	each of children.	
P210	Keep away fro	om heat, hot surfaces, sparks, open flames and other ignition source	es. No smoking.
D011	<b>D</b>	and the second s	5

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P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.
P260	Do not breathe spray.
P262	Do not get in eyes, on skin, or on clothing.
P271	Use only outdoors or in a well-ventilated area.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P403	Store in a well-ventilated place.
P410+P412	Protect from sunlight. Do no expose to temperatures exceeding 50°C/122°F.
P501	Dispose of contents/container to a facility in accordance with local and national regulations.

### 2.3 Other hazards

PBT assessment

The components of this product are not considered to be a PBT. vPvB assessment

The components of this product are not considered to be a vPvB.

## SECTION 3: Composition/information on ingredients

#### 3.1 Substances

Not applicable. The product is not a substance.

#### 3.2 Mixtures

	Hazardous ingredients	5				
No	Substance name		Additio	nal information		
	CAS / EC / Index / REACH no	Classification (EC) 1272/2008 (CLP)	Concer	ntration		%
1	ethyl-acetate	•				
	141-78-6	EUH066	>=	25.00 - <	50.00	wt%
	205-500-4	Eye Irrit. 2; H319				
	607-022-00-5	Flam. Liq. 2; H225				
	01-2119475103-46	STOT SE 3; H336				
2	butane					
	106-97-8	Flam. Gas 1A; H220	>=	25.00 - <	50.00	wt%
	203-448-7	Press. Gas liq.; H280				
	601-004-00-0					
	01-2119474691-32					
3	Hydrocarbons, C9-C1	2, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)				
	-	Aquatic Chronic 2; H411	>=	10.00 - <	25.00	wt%
	919-446-0	Asp. Tox. 1; H304				
	-	EUH066				
	01-2119458049-33	Flam. Liq. 3; H226				
		STOT SE 3; H336				
4	propane					101
	74-98-6	Flam. Gas 1A; H220	>=	10.00 - <	25.00	wt%
	200-827-9	Press. Gas liq.; H280				
	601-003-00-5					
5	01-2119486944-21					
5	xylene	Flom Lin 2: 11226	<	5.00		wt%
	1330-20-7 215-535-7	Flam. Liq. 3; H226 Acute Tox. 4; H312	`	5.00		WL70
	601-022-00-9	Skin Irrit. 2: H315				
	01-2119488216-32	Acute Tox. 4; H332				
6	ethylbenzene		nls rof	er to footnote (1)		
0	100-41-4	Acute Tox. 4; H332		2.50		wt%
	202-849-4	Flam. Liq. 2; H225	<b>`</b>	2.00		VVL/U
	601-023-00-4	Asp. Tox. 1; H304				
	-	STOT RE 2; H373				
		Eve Irrit. 2; H319				
		Skin Irrit. 2; H315				
		STOT SE 3; H335				
7	butan-1-ol					

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	71-36-3	Acute Tox. 4; H302	<	2.50	wt%
	200-751-6	Eye Dam. 1; H318			
	603-004-00-6	Flam. Lig. 3, H226			
	01-2119484630-38	Skin Irrit. 2, H315			
		STOT SE 3; H335			
		STOT SE 3; H336			
8	aluminium powder (	stabilised)			
	7429-90-5	Flam. Sol. 1; H228	<	2.50	wt%
	231-072-3	Water-react. 2; H261			
	013-002-00-1				
	01-2119529243-45				

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

(1) Aberrant from/in addition to the classification set out in Annex VI, this substance is classified according to European Regulation (EC) No 1272/2008 (CLP), Article 4 (3), paragraph 2.

No	Note	Specific concentration limits	M-factor (acute)	M-factor (chronic)
2	C, U	-	-	-
4	U	-	-	-
5	С	-	-	-
8	Т	-	-	-

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)".

#### No Route, target organ, concrete effect

H373 inhalational; hearing;

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

#### 4.1 Description of first aid measures

#### General information

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious place in recovery position and seek medical advice.

#### After inhalation

Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration.

#### After skin contact

Remove contaminated clothing. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.

#### After eye contact

Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.

#### After ingestion

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

#### **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 Alcohol resistant foam, CO2, powders, water spray Unsuitable extinguishing media 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); Toxic pyrolysis products; Exposure to decomposition products may cause a health hazard.

#### 5.3 Advice for firefighters

Cool closed containers exposed to fire with water. Do not allow run-off from fire fighting to enter drains or water courses. Appropriate breathing apparatus may be required.

## **SECTION 6: Accidental release measures**

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#### 6.1 Personal precautions, protective equipment and emergency procedures

## For non-emergency personnel

Exclude sources of ignition and ventilate the area. Do not inhale vapours/aerosols. Refer to protective measures listed in sections 7 and 8.

#### For emergency responders

No data available. Personal protective equipment (PPE) - see Section 8.

#### 6.2 Environmental precautions

Is not allowed to be released into the sewerage or water courses. If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations.

#### 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). Clean preferably with a detergent - avoid use of solvents.

## 6.4 Reference to other sections

No data available.

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

#### 7.1 Precautions for safe handling

#### Advice on safe handling

The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Operators should wear anti-static footwear and clothing and floors should be of the conducting type. Do not breathe steams or mist of the product. For personal protection see section 8. Avoid eye, skin and clothing contact.

#### General protective and hygiene measures

Avoid skin and eye contact. Do not eat or drink during work - no smoking. Wash hands before breaks and after work. Clean skin thoroughly after work; apply skin cream.

#### Advice on protection against fire and explosion

Isolate from sources of heat, sparks and open flame. No sparking tools should be used. Electrical equipment should be protected to the appropriate standard.

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

#### Technical measures and storage conditions

Comply with legal health and safety regulations; Prevent unauthorised access. Keep container tightly closed and dry in a cool, well-ventilated place. Protect from heat and direct sunlight. Keep away from sources of ignition. No smoking.

#### Requirements for storage rooms and vessels

Keep the product in the original packing. Keep container tightly closed. Observe label precautions. Official regulations ruling storage of aerosols must be observed.

#### Incompatible products

Store away from oxidising agents, from strongly alkaline and strongly acid materials.

#### 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	ethyl-acetate	cetate 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
2	butane	106-97-8		203-448-7	
	List of approved workplace exposure limits (WELs) / EH40				
	Butane				
	WEL short-term (15 min reference period)	1810	mg/m³	750	ppm
	WEL long-term (8-hr TWA reference period)	1450	mg/m³	600	ppm
	Comments	Carc, (only ap	plies if Butane co	ontains more tha	n 0.1% of buta-
		1,3-diene)			

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2000/39/EC           Xylene, mixed isomers, pure           WEL long-term (15 min reference period)         221 mg/m³ 100 ppm           WEL long-term (8-hr TWA reference period)         221 mg/m³ 50 ppm           Skin resorption / sensibilisation         Skin           List of approved workplace exposure limits (WELs) / EH40         Xylene, or, mr., p. or mixed isomers           WEL long-term (8-hr TWA reference period)         441 mg/m³ 100 ppm           WEL long-term (8-hr TWA reference period)         220 mg/m³ 50 ppm           Comments         Sk, BMGV           2000/39/EC         200/39/EC           Ethylbenzene         100-41-4         202-849-4           2000/39/EC         200/39/EC           Ethylbenzene         100         ppm           WEL short-term (15 min reference period)         442 mg/m³ 100 ppm           WEL short-term (15 min reference period)         442 mg/m³ 100 ppm           WEL short-term (15 min reference period)         552 mg/m³ 125 ppm           WEL long-term (8-hr TWA reference period)         552 mg/m³ 125 ppm           WEL short-term (15 min reference period)         5k to           5         butan-1-ol         71.36-3 200-751-6           List of approved workplace exposure limits (WELs) / EH40         10           Butan-1-ol         7429-90-5 231-072-3 <th>3</th> <th>xylene</th> <th>1330-20-7</th> <th>7</th> <th>215-535-7</th> <th>•</th>	3	xylene	1330-20-7	7	215-535-7	•
WEL short-term (15 min reference period)         442         mg/m³         100         ppm           WEL long-term (8-hr TWA reference period)         221         mg/m³         50         ppm           Skin resorption / sensibilisation         Skin              pm         50         ppm            ppm         Skin             ppm         Skin            ppm          Skin             ppm         Skin           Skin           Skin           Skin           Skin          Skin           Skin resorption / Skin reference period)         200         ppm          Skin resorption / Sensibilisation         Skin         Skin resorption / Sensibilisation         Skin         Skin resorption / Skin resorption / Sensibilisation         Skin         Skin            Skin resorption / Sensibilisation         Skin         Skin               Skin         Skin						
WEL short-term (15 min reference period)         442         mg/m³         100         ppm           WEL long-term (8-hr TWA reference period)         221         mg/m³         50         ppm           Skin resorption / sensibilisation         Skin              pmm         mg/m³         50         ppm           WEL short-term (15 min reference period)         221         mg/m³         100         ppm           WEL long-term (8-hr TWA reference period)         441         mg/m³         100         ppm           Comments         Sk,BMGV          200/39/EC          200/39/EC           200         ppm           WEL short-term (15 min reference period)         442         mg/m³         200         ppm           200         ppm           200         ppm            Skin resorption / sensibilisation         Skin         Skin resorption / sensibilisation         Skin                         Skin resorption / sensibilisation         Skin <td></td> <td>Xylene, mixed isomers, pure</td> <td></td> <td></td> <td></td> <td></td>		Xylene, mixed isomers, pure				
Skin resorption / sensibilisation       Skin         List of approved workplace exposure limits (WELs) / EH40         Xylene, o., m., p. or mixed isomers         WEL short-term (15 min reference period)       441         mg/m³       100       ppm         WEL short-term (15 min reference period)       220       mg/m³       50       ppm         Comments       Sk,BMGV       220       mg/m³       50       ppm         Zo00/39/EC       Sk.BMGV       200       ppm       200       ppm         WEL long-term (8-hr TWA reference period)       884       mg/m³       200       ppm         WEL long-term (8-hr TWA reference period)       842       mg/m³       100       ppm         Skin resorption / sensibilisation       Skin       Skin       125       ppm         Ust of approved workplace exposure limits (WELs) / EH40       Ethylbenzene       552       mg/m³       125       ppm         WEL short-term (15 min reference period)       552       mg/m³       125       ppm         WEL short-term (15 min reference period)       541       mg/m³       100       ppm         WEL short-term (15 min reference period)       154       mg/m³       50       ppm         Comments       Sk       Sk <td></td> <td></td> <td>442</td> <td>mg/m³</td> <td>100</td> <td>ppm</td>			442	mg/m³	100	ppm
List of approved workplace exposure limits (WELs) / EH40         Xylene, o., m., p. or mixed isomers         WEL short-term (15 min reference period)       441       mg/m³       100       ppm         WEL long-term (8-hr TWA reference period)       220       mg/m³       50       ppm         Comments       Sk,BMGV       200.939/EC       202-849-4       200.939/EC         Ethylbenzene       100-41-4       202-849-4       200.9pm         WEL short-term (15 min reference period)       884       mg/m³       200       ppm         WEL short-term (15 min reference period)       844       mg/m³       100       ppm         Skin resorption / sensibilisation       Skin       Skin       ppm       Skin resorption / sensibilisation       Skin         List of approved workplace exposure limits (WELs) / EH40       Ethylbenzene       WEL long-term (8-hr TWA reference period)       552       mg/m³       125       ppm         WEL long-term (8-hr TWA reference period)       441       mg/m³       100       ppm         Comments       Sk       5       butan-1-ol       71-36-3       200-751-6       151         List of approved workplace exposure limits (WELs) / EH40       Sk       6       aluminium moveder (stabilised)       7429-90-5       231-072-3		WEL long-term (8-hr TWA reference period)	221	mg/m <sup>3</sup>	50	ppm
Xylene, o-, m-, p- or mixed isomers         WEL short-term (15 min reference period)       441       mg/m³       100       ppm         WEL short-term (15 min reference period)       220       mg/m³       50       ppm         Comments       Sk,BMGV       200/39/EC       200/39/EC       200/39/EC         Ethylbenzene       100-41-4       202-849-4       200/39/EC         WEL short-term (15 min reference period)       484       mg/m³       200       ppm         WEL long-term (8-hr TWA reference period)       442       mg/m³       100       ppm         Skin resorption / sensibilisation       Skin       Ist of approved workplace exposure limits (WELs) / EH40       Ethylbenzene       125       ppm         WEL long-term (8-hr TWA reference period)       441       mg/m³       100       ppm         WEL long-term (8-hr TWA reference period)       552       mg/m³       100       ppm         WEL long-term (8-hr TWA reference period)       5k       5       putan-1-ol       71-36-3       200-751-6         List of approved workplace exposure limits (WELs) / EH40       Butan-1-ol       Sk       50       ppm         WEL short-term (15 min reference period)       154       mg/m³       50       ppm         Comments       Sk <td></td> <td>Skin resorption / sensibilisation</td> <td>Skin</td> <td></td> <td></td> <td>•••</td>		Skin resorption / sensibilisation	Skin			•••
WEL short-term (15 min reference period)         441         mg/m³         100         ppm           WEL long-term (8-hr TWA reference period)         220         mg/m³         50         ppm           Comments         Sk,BMGV         50         ppm         50         ppm           4         ethylbenzene         100-41-4         202-849-4         2000/39/EC           Ethylbenzene         100-41-4         202-849-4         2000/39/EC           WEL short-term (15 min reference period)         884         mg/m³         200         ppm           WEL long-term (8-hr TWA reference period)         442         mg/m³         100         ppm           Skin resorption / sensibilisation         Skin         Skin         Ethylbenzene            WEL short-term (15 min reference period)         552         mg/m³         125         ppm           WEL long-term (8-hr TWA reference period)         441         mg/m³         100         ppm           Comments         Sk         50         200-751-6         154         mg/m³         50         ppm           WEL short-term (15 min reference period)         154         mg/m³         50         ppm           WEL short-term (15 min reference period)         154         mg/m³		List of approved workplace exposure limits (WELs)	/ EH40			
WEL long-term (8-hr TWA reference period)         220         mg/m³         50         ppm           4         ethylbenzene         100-41-4         202-849-4         202-849-4           2000/39/EC         Ethylbenzene          200         ppm           WEL short-term (15 min reference period)         884         mg/m³         200         ppm           WEL long-term (8-hr TWA reference period)         442         mg/m³         100         ppm           Skin resorption / sensibilisation         Skin         Skin          ppm           List of approved workplace exposure limits (WELs) / EH40         Ethylbenzene           ppm           WEL short-term (15 min reference period)         552         mg/m³         125         ppm           WEL short-term (15 min reference period)         552         mg/m³         100         ppm           Comments         Sk         5         butan-1-ol         71-36-3         200-751-6           List of approved workplace exposure limits (WELs) / EH40         Sk         5         ppm         5           Butan-1-ol         71-36-3         201-751-6         List of approved workplace exposure limits (WELs) / EH40          231-072-3         List of approved workplace exposure limits (WELs) / EH		Xylene, o-, m-, p- or mixed isomers				
Comments       Sk,BMGV         4       ethylbenzene         2000/39/EC         Ethylbenzene         WEL short-term (15 min reference period)       884       mg/m³       200       ppm         Skin resorption / sensibilisation       Skin       Skin       stringender       stringender         List of approved workplace exposure limits (WELs) / EH40       Skin       stringender       stringend		WEL short-term (15 min reference period)	441	mg/m³	100	ppm
4       ethylbenzene       100-41.4       202-849-4         2000/39/EC       Ethylbenzene          WEL short-term (15 min reference period)       884       mg/m³       200       ppm         WEL long-term (8-hr TWA reference period)       442       mg/m³       100       ppm         Skin resorption / sensibilisation       Skin       Skin           Ethylbenzene		WEL long-term (8-hr TWA reference period)	220	mg/m <sup>3</sup>	50	ppm
2000/39/EC         Ethylbenzene         WEL short-term (15 min reference period)       884       mg/m³       200       ppm         WEL long-term (8-hr TWA reference period)       442       mg/m³       100       ppm         Skin resorption / sensibilisation       Skin       Skin           List of approved workplace exposure limits (WELs) / EH40       Ethylbenzene		Comments	Sk,BMGV			
Ethylbenzene         WEL short-term (15 min reference period)       884       mg/m³       200       ppm         WEL long-term (8-hr TWA reference period)       442       mg/m³       100       ppm         Skin resorption / sensibilisation       Skin       Skin       Skin       Ethylbenzene         WEL short-term (15 min reference period)       552       mg/m³       125       ppm         WEL long-term (8-hr TWA reference period)       441       mg/m³       100       ppm         Comments       Sk       Sk       Sk       Sk       Sk         5       butan-1-ol       71-36-3       200-751-6       List of approved workplace exposure limits (WELs) / EH40       Sk         Butan-1-ol       8k       Sk       Sk       Sk       Sk       Sk         6       aluminium powder (stabilised)       7429-90-5       231-072-3       List of approved workplace exposure limits (WELs) / EH40       Aluminium metal       Ital inhalable dust       Sk	4	ethylbenzene	100-41-4		202-849-4	
WEL short-term (15 min reference period)       884       mg/m³       200       ppm         WEL long-term (8-hr TWA reference period)       442       mg/m³       100       ppm         Skin resorption / sensibilisation       Skin       Skin       100       ppm         Ethylbenzene       WEL short-term (15 min reference period)       552       mg/m³       125       ppm         WEL long-term (8-hr TWA reference period)       441       mg/m³       100       ppm         Comments       Sk       Sk       5       butan-1-ol       71-36-3       200-751-6         List of approved workplace exposure limits (WELs) / EH40       Butan-1-ol       154       mg/m³       50       ppm         WEL short-term (15 min reference period)       154       mg/m³       50       ppm         WEL short-term (15 min reference period)       154       mg/m³       50       ppm         Butan-1-ol       71-36-3       200-751-6       10       10       mg/m³       50       ppm         Comments       Sk       Sk       5       231-072-3       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10		2000/39/EC				
WEL long-term (8-hr TWA reference period)       442       mg/m³       100       ppm         Skin resorption / sensibilisation       Skin       Skin       Skin         List of approved workplace exposure limits (WELs) / EH40       Ethylbenzene       Skin       Skin         WEL short-term (15 min reference period)       552       mg/m³       125       ppm         WEL long-term (8-hr TWA reference period)       441       mg/m³       100       ppm         Comments       Sk       Sk       Sk       Sk       Sk         5       butan-1-ol       71-36-3       200-751-6       Sk       Sk <td< td=""><td></td><td>Ethylbenzene</td><td></td><td></td><td></td><td></td></td<>		Ethylbenzene				
Skin resorption / sensibilisation       Skin         List of approved workplace exposure limits (WELs) / EH40         Ethylbenzene         WEL short-term (15 min reference period)       552         WEL long-term (8-hr TWA reference period)       441         mg/m³       100         Comments       Sk         5       butan-1-ol         7       butan-1-ol         8       200-751-6         List of approved workplace exposure limits (WELs) / EH40         Butan-1-ol       71-36-3         200-751-6         List of approved workplace exposure limits (WELs) / EH40         Butan-1-ol         WEL short-term (15 min reference period)       154         MWEL short-term (15 min reference period)       154         7429-90-5       231-072-3         List of approved workplace exposure limits (WELs) / EH40       10         Aluminium metal       10         WEL long-term (8-hr TWA reference period)       10         MUT       10         MUT       4luminium metal         List of approved workplace exposure limits (WELs) / EH40       10         Aluminium metal       respirable dust		WEL short-term (15 min reference period)	884	mg/m³	200	ppm
List of approved workplace exposure limits (WELs) / EH40         Ethylbenzene         WEL short-term (15 min reference period)       552       mg/m³       125       ppm         WEL long-term (8-hr TWA reference period)       441       mg/m³       100       ppm         Comments       Sk       5       butan-1-ol       71-36-3       200-751-6         List of approved workplace exposure limits (WELs) / EH40       Butan-1-ol       71-36-3       200-751-6         WEL short-term (15 min reference period)       154       mg/m³       50       ppm         Comments       Sk       5       3 <td></td> <td>WEL long-term (8-hr TWA reference period)</td> <td>442</td> <td>mg/m<sup>3</sup></td> <td>100</td> <td>ppm</td>		WEL long-term (8-hr TWA reference period)	442	mg/m <sup>3</sup>	100	ppm
Ethylbenzene         WEL short-term (15 min reference period)       552       mg/m³       125       ppm         WEL long-term (8-hr TWA reference period)       441       mg/m³       100       ppm         Comments       Sk       Sk       Sk       Sk       Sk         5       butan-1-ol       71-36-3       200-751-6       Sk         Butan-1-ol       71-36-3       200-751-6       Sk       Sk         WEL short-term (15 min reference period)       154       mg/m³       50       ppm         Comments       Sk       Sk       Sk       Sk       Sk       Sk         6       aluminium powder (stabilised)       7429-90-5       231-072-3       Sk		Skin resorption / sensibilisation	Skin			
WEL short-term (15 min reference period)       552       mg/m³       125       ppm         WEL long-term (8-hr TWA reference period)       441       mg/m³       100       ppm         Comments       Sk       Sk       Sk       Sk       Sk       Sk         Butan-1-ol       71-36-3       200-751-6       Sk		List of approved workplace exposure limits (WELs)	/ EH40			
WEL long-term (8-hr TWA reference period)       441       mg/m³       100       ppm         Comments       Sk         5       butan-1-ol       71-36-3       200-751-6         List of approved workplace exposure limits (WELs) / EH40       Butan-1-ol       0         WEL short-term (15 min reference period)       154       mg/m³       50       ppm         Comments       Sk       5       201-751-6       10       10       10       10       10       10       10       mg/m³       10       10       mg/m³       10		Ethylbenzene				
Comments       Sk         5       butan-1-ol       71-36-3       200-751-6         List of approved workplace exposure limits (WELs) / EH40       Butan-1-ol       WEL short-term (15 min reference period)       154       mg/m³       50       ppm         Comments       Sk       Sk       6       aluminium powder (stabilised)       7429-90-5       231-072-3         List of approved workplace exposure limits (WELs) / EH40       Aluminium metal       10       mg/m³         VEL long-term (8-hr TWA reference period)       10       mg/m³       List of approved workplace exposure limits (WELs) / EH40         Aluminium metal       total inhalable dust       10       mg/m³         WEL long-term (8-hr TWA reference period)       10       mg/m³         List of approved workplace exposure limits (WELs) / EH40       Aluminium metal       respirable dust		WEL short-term (15 min reference period)	552	mg/m³	125	ppm
5       butan-1-ol       71-36-3       200-751-6         List of approved workplace exposure limits (WELs) / EH40       Butan-1-ol       154       mg/m³       50       ppm         Comments       Sk       Sk       154       155       155       155       155       155       155       156 <t< td=""><td></td><td>WEL long-term (8-hr TWA reference period)</td><td>441</td><td>mg/m³</td><td>100</td><td>ppm</td></t<>		WEL long-term (8-hr TWA reference period)	441	mg/m³	100	ppm
List of approved workplace exposure limits (WELs) / EH40         Butan-1-ol         WEL short-term (15 min reference period)       154 mg/m³ 50 ppm         Comments       Sk         6 aluminium powder (stabilised)       7429-90-5       231-072-3         List of approved workplace exposure limits (WELs) / EH40          Aluminium metal       total inhalable dust         WEL long-term (8-hr TWA reference period)       10 mg/m³         List of approved workplace exposure limits (WELs) / EH40         Aluminium metal       total inhalable dust         WEL long-term (8-hr TWA reference period)       10 mg/m³         List of approved workplace exposure limits (WELs) / EH40          Aluminium metal       respirable dust		Comments	Sk			
Butan-1-ol         WEL short-term (15 min reference period)       154 mg/m³       50 ppm         Comments       Sk          6       aluminium powder (stabilised)       7429-90-5       231-072-3         List of approved workplace exposure limits (WELs) / EH40            Aluminium metal       total inhalable dust            WEL long-term (8-hr TWA reference period)       10 mg/m³            Aluminium metal       respirable dust	5	butan-1-ol	71-36-3		200-751-6	;
WEL short-term (15 min reference period)       154 mg/m³ 50 ppm         Comments       Sk         6 aluminium powder (stabilised)       7429-90-5       231-072-3         List of approved workplace exposure limits (WELs) / EH40          Aluminium metal       total inhalable dust          WEL long-term (8-hr TWA reference period)       10 mg/m³          List of approved workplace exposure limits (WELs) / EH40           Aluminium metal       respirable dust		List of approved workplace exposure limits (WELs)	/ EH40			
Comments       Sk         6       aluminium powder (stabilised)       7429-90-5       231-072-3         List of approved workplace exposure limits (WELs) / EH40       Aluminium metal       10         Aluminium metal       10       mg/m³         List of approved workplace exposure limits (WELs) / EH40       10       mg/m³         Aluminium metal       10       mg/m³         List of approved workplace exposure limits (WELs) / EH40       10       10         Aluminium metal       10       10       10         respirable dust       10       10       10		Butan-1-ol				
6       aluminium powder (stabilised)       7429-90-5       231-072-3         List of approved workplace exposure limits (WELs) / EH40       Aluminium metal       10         Itotal inhalable dust       10       mg/m³         List of approved workplace exposure limits (WELs) / EH40       10       mg/m³         Aluminium metal       10       mg/m³         Itotal of approved workplace exposure limits (WELs) / EH40       10       10         Aluminium metal       10       10       10         respirable dust       10       10       10		WEL short-term (15 min reference period)	154	mg/m³	50	ppm
List of approved workplace exposure limits (WELs) / EH40         Aluminium metal         total inhalable dust         WEL long-term (8-hr TWA reference period)       10 mg/m³         List of approved workplace exposure limits (WELs) / EH40         Aluminium metal         respirable dust		Comments	Sk			
Aluminium metal         total inhalable dust         WEL long-term (8-hr TWA reference period)       10 mg/m³         List of approved workplace exposure limits (WELs) / EH40         Aluminium metal         respirable dust	6			5	231-072-3	•
total inhalable dust         WEL long-term (8-hr TWA reference period)       10 mg/m³         List of approved workplace exposure limits (WELs) / EH40         Aluminium metal         respirable dust		List of approved workplace exposure limits (WELs)	/ EH40			
WEL long-term (8-hr TWA reference period)       10       mg/m³         List of approved workplace exposure limits (WELs) / EH40          Aluminium metal       respirable dust						
List of approved workplace exposure limits (WELs) / EH40 Aluminium metal respirable dust						
Aluminium metal respirable dust		WEL long-term (8-hr TWA reference period)	10	mg/m³		
respirable dust		List of approved workplace exposure limits (WELs)	/ EH40			
		Aluminium metal				
WEL long-term (8-hr TWA reference period) 4 mg/m <sup>3</sup>						
		WEL long-term (8-hr TWA reference period)	4	mg/m <sup>3</sup>		

#### **DNEL, DMEL and PNEC values**

DNEL values (worker)

No	Substance name			CAS / EC I	10
	Route of exposure	Exposure time	Effect	Value	
1	ethyl-acetate	· ·		141-78-6	
	-			205-500-4	
	dermal	Long term (chronic)	systemic	63	mg/kg/day
	inhalative	Long term (chronic)	systemic	734	mg/m³
	inhalative	Short term (acut)	systemic	1468	mg/m³
	inhalative	Long term (chronic)	local	734	mg/m³
	inhalative	Short term (acut)	local	1468	mg/m³
2	Hydrocarbons, C9-C12,	n-alkanes, isoalkanes, cyclics	, aromatics (2-25%)	-	
				919-446-0	
	dermal	Long term (chronic)	systemic	44	mg/kg/day
	inhalative	Long term (chronic)	systemic	330	mg/m³
3	xylene			1330-20-7	
				215-535-7	
	dermal	Long term (chronic)	systemic	212	mg/kg/day
	inhalative	Long term (chronic)	systemic	221	mg/m³
	inhalative	Short term (acut)	systemic	442	mg/m³
	inhalative	Long term (chronic)	local	221	mg/m³
	inhalative	Short term (acut)	local	442	mg/m³
4	butan-1-ol	<u> </u>		71-36-3	
				200-751-6	
	inhalative	Long term (chronic)	local	310	mg/m³
5	aluminium powder (stab	ilised)		7429-90-5	
				231-072-3	
	inhalative	Long term (chronic)	systemic	3.72	mg/m³
	inhalative	Long term (chronic)	local	3.72	mg/m³

Current version : 5.0.0, issued: 02.09.2024

Replaced version: 4.0.0, issued: 18.08.2022

Region: GB

No	Substance name				CAS / EC r	10
	Route of exposure	Exposure time	9	Effect	Value	
1	ethyl-acetate	Exposure and	6	Encot	141-78-6	
					205-500-4	
	oral	Long term (chr	onic)	systemic	4.5	mg/kg/day
	dermal	Long term (chr		systemic	37	mg/kg/day
	inhalative	Long term (chr		systemic	367	mg/m <sup>3</sup>
	inhalative	Short term (act		systemic	734	mg/m <sup>3</sup>
			1		367	mg/m <sup>3</sup>
	inhalative	Long term (chr Short term (acu		local		
	inhalative			local	734	mg/m³
2	Hydrocarbons, C9-C12, n-	-aikanes, isoaikane	es, cyclics, ard	omatics (2-25%)	-	
	I	1			919-446-0	
	oral	Long term (chr		systemic	26	mg/kg/day
	dermal	Long term (chr		systemic	26	mg/kg/day
	inhalative	Long term (chr	onic)	systemic	71	mg/m³
3	xylene				1330-20-7	
					215-535-7	
	oral	Long term (chr	onic)	systemic	12.5	mg/kg/day
	dermal	Long term (chr	onic)	systemic	125	mg/kg/day
	inhalative	Long term (chr		systemic	65.3	mg/m³
	inhalative	Short term (acu		systemic	260	mg/m <sup>3</sup>
	inhalative	Long term (chr	onic)	local	65.3	mg/m <sup>3</sup>
	inhalative	Short term (acu		local	260	mg/m <sup>3</sup>
4	butan-1-ol			10001	71-36-3	ing/in
-	butan-1-or				200-751-6	
	oral	Long term (chr	onic)	systemic	1.562	mg/kg/day
	dermal	Long term (chr		systemic	3.125	
						mg/kg/day
	inhalative	Long term (chr		systemic	55.357	mg/m <sup>3</sup>
	inhalative	Long term (chr	onic)	local	155	mg/m³
5	aluminium powder (stabili	ised)			7429-90-5	
					231-072-3	
	orol					
	oral	Long term (chr	onic)	systemic	7.9	mg/kg/day
	PNEC values	Long term (chr	onic)	systemic		mg/kg/day
No	PNEC values	Long term (chr	onic)	systemic	7.9	
No	PNEC values Substance name	Long term (chr		systemic	7.9 CAS / EC r	
	PNEC values Substance name ecological compartment	Long term (chr	onic)	systemic	7.9 CAS / EC r Value	
<b>No</b>	PNEC values Substance name	Long term (chr		systemic	7.9 CAS / EC r Value 141-78-6	
	PNEC values Substance name ecological compartment ethyl-acetate	Long term (chr	Туре	systemic	7.9 CAS / EC r Value 141-78-6 205-500-4	10
	PNEC values Substance name ecological compartment ethyl-acetate water	Long term (chr	Type fresh water	systemic	7.9 CAS / EC r Value 141-78-6 205-500-4 0.24	no mg/L
	PNEC values Substance name ecological compartment ethyl-acetate water water	Long term (chr	Type fresh water marine water		7.9 CAS / EC r Value 141-78-6 205-500-4 0.24 0.024	mg/L mg/L
	PNEC values Substance name ecological compartment ethyl-acetate water water water water	Long term (chr	fresh water marine water fresh water se	ediment	7.9 CAS / EC r Value 141-78-6 205-500-4 0.24 0.024 1.15	no mg/L mg/L mg/kg dry weigh
	PNEC values Substance name ecological compartment ethyl-acetate water water water water water water	Long term (chr	Type fresh water marine water	ediment	7.9 CAS / EC r Value 141-78-6 205-500-4 0.24 0.024 1.15 0.115	mg/L mg/L mg/kg dry weigh mg/kg dry weigh
	PNEC values Substance name ecological compartment ethyl-acetate water water water water soil	Long term (chr	Type fresh water marine water fresh water se marine water -	ediment	7.9 CAS / EC r Value 141-78-6 205-500-4 0.24 0.024 1.15 0.115 0.148	mg/L mg/L mg/kg dry weigh mg/kg dry weigh mg/kg dry weigh
	PNEC values Substance name ecological compartment ethyl-acetate water water water water soil sewage treatment plant	Long term (chr	fresh water marine water fresh water se marine water -	ediment	7.9 CAS / EC r Value 141-78-6 205-500-4 0.24 0.024 1.15 0.115 0.115 0.148 650	mg/L mg/L mg/kg dry weigh mg/kg dry weigh mg/kg dry weigh mg/L
	PNEC values Substance name ecological compartment ethyl-acetate water water water water soil sewage treatment plant secondary poisoning	Long term (chr	Type fresh water marine water fresh water se marine water -	ediment	7.9 CAS / EC r Value 141-78-6 205-500-4 0.24 0.024 1.15 0.115 0.148	mg/L mg/L mg/kg dry weigh mg/kg dry weigh mg/kg dry weigh
1	PNEC values Substance name ecological compartment ethyl-acetate water water water soil sewage treatment plant secondary poisoning with reference to: food	Long term (chr	fresh water marine water fresh water se marine water -	ediment	7.9 CAS / EC r Value 141-78-6 205-500-4 0.24 0.024 1.15 0.115 0.115 0.148 650 0.2	mg/L mg/L mg/kg dry weigh mg/kg dry weigh mg/kg dry weigh mg/L
1	PNEC values Substance name ecological compartment ethyl-acetate water water water water soil sewage treatment plant secondary poisoning	Long term (chr	fresh water marine water fresh water se marine water -	ediment	7.9 CAS / EC r Value 141-78-6 205-500-4 0.24 0.024 1.15 0.115 0.115 0.148 650 0.2 1330-20-7	mg/L mg/L mg/kg dry weigh mg/kg dry weigh mg/kg dry weigh mg/L
1	PNEC values Substance name ecological compartment ethyl-acetate water water water soil sewage treatment plant secondary poisoning with reference to: food	Long term (chr	Type fresh water marine water fresh water se marine water - -	ediment	7.9 CAS / EC r Value 141-78-6 205-500-4 0.24 0.024 1.15 0.115 0.115 0.148 650 0.2 1330-20-7 215-535-7	mg/L mg/L mg/kg dry weigh mg/kg dry weigh mg/kg dry weigh mg/L g/kg
1	PNEC values Substance name ecological compartment ethyl-acetate water water water soil sewage treatment plant secondary poisoning with reference to: food	Long term (chr	fresh water marine water fresh water se marine water -	ediment	7.9 CAS / EC r Value 141-78-6 205-500-4 0.24 0.024 1.15 0.115 0.115 0.148 650 0.2 1330-20-7	mg/L mg/L mg/kg dry weigh mg/kg dry weigh mg/kg dry weigh mg/L
1	PNEC values Substance name ecological compartment ethyl-acetate water water water soil sewage treatment plant secondary poisoning with reference to: food xylene	Long term (chr	Type fresh water marine water fresh water se marine water - -	ediment	7.9 CAS / EC r Value 141-78-6 205-500-4 0.24 0.024 1.15 0.115 0.115 0.148 650 0.2 1330-20-7 215-535-7	mg/L mg/L mg/kg dry weigh mg/kg dry weigh mg/kg dry weigh mg/L g/kg
1	PNEC values Substance name ecological compartment ethyl-acetate water water water soil sewage treatment plant secondary poisoning with reference to: food xylene water	Long term (chr	Type fresh water marine water fresh water se marine water - - -	ediment sediment	7.9         CAS / EC r         Value         141-78-6         205-500-4         0.24         0.024         1.15         0.115         0.148         650         0.2         1330-20-7         215-535-7         0.044         0.004	mg/L mg/L mg/kg dry weigh mg/kg dry weigh mg/kg dry weigh mg/L g/kg mg/L
1	PNEC values Substance name ecological compartment ethyl-acetate water water water soil sewage treatment plant secondary poisoning with reference to: food xylene water water water	Long term (chr	Type         fresh water         marine water         fresh water se         marine water         -         -         -         fresh water         marine water         fresh water         fresh water se         fresh water se	ediment sediment	7.9 CAS / EC r Value 141-78-6 205-500-4 0.24 0.024 1.15 0.115 0.148 650 0.2 1330-20-7 215-535-7 0.044 0.004 2.52	mg/L mg/L mg/kg dry weigh mg/kg dry weigh mg/L g/kg mg/L mg/L mg/L mg/L
1	PNEC values Substance name ecological compartment ethyl-acetate water water water soil sewage treatment plant secondary poisoning with reference to: food xylene water	Long term (chr	Type fresh water marine water fresh water se marine water - - - fresh water marine water	ediment sediment	7.9 CAS / EC r Value 141-78-6 205-500-4 0.24 0.024 1.15 0.115 0.148 650 0.2 1330-20-7 215-535-7 0.044 0.004 2.52 0.252	mg/L mg/L mg/kg dry weigh mg/kg dry weigh mg/kg dry weigh mg/L g/kg mg/L mg/L mg/L mg/L mg/kg
1	PNEC values Substance name ecological compartment ethyl-acetate water water water soil sewage treatment plant secondary poisoning with reference to: food xylene water water water water soil soil	Long term (chr	Type fresh water marine water fresh water se marine water - - - fresh water fresh water fresh water se marine water -	ediment sediment	7.9         CAS / EC r         Value         141-78-6         205-500-4         0.24         0.024         1.15         0.115         0.148         650         0.2         1330-20-7         215-535-7         0.044         0.004         2.52         0.252         0.852	mg/L mg/L mg/kg dry weigh mg/kg dry weigh mg/kg dry weigh mg/L g/kg mg/L mg/L mg/L mg/L mg/kg mg/kg
2	PNEC values Substance name ecological compartment ethyl-acetate water water water soil sewage treatment plant secondary poisoning with reference to: food xylene water water water water water soil sewage treatment plant	Long term (chr	Type         fresh water         marine water         fresh water se         marine water         -         -         fresh water         marine water         fresh water         fresh water se         marine water         fresh water se	ediment sediment	7.9         CAS / EC r         Value         141-78-6         205-500-4         0.24         0.024         1.15         0.115         0.148         650         0.2         1330-20-7         215-535-7         0.044         0.004         2.52         0.252         0.852         1.6	mg/L mg/L mg/kg dry weigh mg/kg dry weigh mg/kg dry weigh mg/L g/kg mg/L mg/L mg/L mg/L mg/kg
	PNEC values Substance name ecological compartment ethyl-acetate water water water soil sewage treatment plant secondary poisoning with reference to: food xylene water water water water soil soil	Long term (chr	Type fresh water marine water fresh water se marine water - - - fresh water fresh water fresh water se marine water -	ediment sediment	7.9         CAS / EC r         Value         141-78-6         205-500-4         0.24         0.024         1.15         0.115         0.148         650         0.2         1330-20-7         215-535-7         0.044         0.004         2.52         0.252         0.852         1.6         71-36-3	mg/L mg/L mg/kg dry weigh mg/kg dry weigh mg/kg dry weigh mg/L g/kg mg/L mg/L mg/L mg/L mg/kg mg/kg
2	PNEC values Substance name ecological compartment ethyl-acetate water water water soil sewage treatment plant secondary poisoning with reference to: food xylene water water water water soil sewage treatment plant butan-1-ol	Long term (chr	Type fresh water marine water fresh water se marine water - - fresh water fresh water se marine water - - - -	ediment sediment	7.9 CAS / EC r Value 141-78-6 205-500-4 0.24 0.024 1.15 0.115 0.148 650 0.2 1330-20-7 215-535-7 0.044 0.004 2.52 0.252 0.252 0.252 0.852 1.6 71-36-3 200-751-6	mg/L mg/kg dry weigh mg/kg dry weigh mg/kg dry weigh mg/L g/kg mg/L mg/L mg/L mg/kg mg/kg mg/kg mg/kg mg/kg
2	PNEC values Substance name ecological compartment ethyl-acetate water water water water soil sewage treatment plant secondary poisoning with reference to: food xylene water water water water soil sewage treatment plant butan-1-ol water	Long term (chr	Type fresh water marine water fresh water se marine water - - - fresh water se marine water fresh water se marine water - - -	ediment sediment	7.9 CAS / EC r Value 141-78-6 205-500-4 0.24 0.024 1.15 0.115 0.148 650 0.2 1330-20-7 215-535-7 0.044 0.004 2.52 0.252 0.252 0.852 1.6 71-36-3 200-751-6 0.082	mg/L mg/kg dry weigh mg/kg dry weigh mg/kg dry weigh mg/L g/kg mg/L mg/L mg/L mg/kg mg/kg mg/kg mg/kg mg/L
2	PNEC values Substance name ecological compartment ethyl-acetate water water water water soil sewage treatment plant secondary poisoning with reference to: food xylene water water water water soil sewage treatment plant butan-1-ol water water water water water water	Long term (chr	Type         fresh water         marine water         fresh water se         marine water         -         -         fresh water se         marine water         fresh water se         marine water         -         -	ediment sediment ediment sediment	7.9 CAS / EC r Value 141-78-6 205-500-4 0.24 0.024 1.15 0.115 0.148 650 0.2 1330-20-7 215-535-7 0.044 0.004 2.52 0.252 0.252 0.852 1.6 71-36-3 200-751-6 0.082 0.008	mg/L mg/kg dry weigh mg/kg dry weigh mg/kg dry weigh mg/L g/kg mg/L mg/L mg/L mg/kg mg/kg mg/kg mg/kg mg/L mg/L
2	PNEC values Substance name ecological compartment ethyl-acetate water water water water soil sewage treatment plant secondary poisoning with reference to: food xylene water water water water soil sewage treatment plant butan-1-ol water	Long term (chr	Type         fresh water         marine water         fresh water se         marine water         -         -         fresh water se         marine water         fresh water se         marine water         -         -         fresh water se         marine water         -         -         fresh water se         marine water         - <td< td=""><td>ediment sediment ediment sediment sediment</td><td>7.9         CAS / EC r         Value         141-78-6         205-500-4         0.24         0.024         1.15         0.115         0.148         650         0.2         1330-20-7         215-535-7         0.044         0.004         2.52         0.852         1.6         71-36-3         200-751-6         0.008         2.25</td><td>mg/L mg/L mg/kg dry weigh mg/kg dry weigh mg/kg dry weigh mg/L g/kg mg/L mg/L mg/kg mg/kg mg/kg mg/kg mg/L mg/L mg/L</td></td<>	ediment sediment ediment sediment sediment	7.9         CAS / EC r         Value         141-78-6         205-500-4         0.24         0.024         1.15         0.115         0.148         650         0.2         1330-20-7         215-535-7         0.044         0.004         2.52         0.852         1.6         71-36-3         200-751-6         0.008         2.25	mg/L mg/L mg/kg dry weigh mg/kg dry weigh mg/kg dry weigh mg/L g/kg mg/L mg/L mg/kg mg/kg mg/kg mg/kg mg/L mg/L mg/L
2	PNEC values Substance name ecological compartment ethyl-acetate water water water water soil sewage treatment plant secondary poisoning with reference to: food xylene water water water water soil sewage treatment plant butan-1-ol water	Long term (chr	Type         fresh water         marine water         fresh water se         marine water         -         -         fresh water se         marine water         fresh water se         marine water         -         -         fresh water se         marine water         -         -         fresh water se         marine water         -         -         fresh water se         marine water         -	ediment sediment ediment sediment sediment tent ediment	7.9         CAS / EC r         Value         141-78-6         205-500-4         0.24         0.024         1.15         0.115         0.148         650         0.2         1330-20-7         215-535-7         0.044         0.004         2.52         0.852         1.6         71-36-3         200-751-6         0.008         2.25         0.324	mg/L mg/kg dry weigh mg/kg dry weigh mg/kg dry weigh mg/kg dry weigh mg/L g/kg mg/L mg/L mg/kg mg/kg mg/kg mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/
2	PNEC values Substance name ecological compartment ethyl-acetate water water water water soil sewage treatment plant secondary poisoning with reference to: food xylene water water water water soil sewage treatment plant butan-1-ol water wate	Long term (chr	Type         fresh water         marine water         fresh water se         marine water         -         -         fresh water se         marine water         fresh water se         marine water         -         -         fresh water se         marine water         -         -         fresh water se         marine water         - <td< td=""><td>ediment sediment ediment sediment sediment tent ediment</td><td>7.9         CAS / EC r         Value         141-78-6         205-500-4         0.24         0.024         1.15         0.115         0.148         650         0.2         1330-20-7         215-535-7         0.044         0.004         2.52         0.252         0.852         1.6         71-36-3         200-751-6         0.008         2.25         0.324</td><td>mg/L mg/kg dry weigh mg/kg dry weigh mg/kg dry weigh mg/L g/kg mg/L mg/L mg/kg mg/kg mg/kg mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/</td></td<>	ediment sediment ediment sediment sediment tent ediment	7.9         CAS / EC r         Value         141-78-6         205-500-4         0.24         0.024         1.15         0.115         0.148         650         0.2         1330-20-7         215-535-7         0.044         0.004         2.52         0.252         0.852         1.6         71-36-3         200-751-6         0.008         2.25         0.324	mg/L mg/kg dry weigh mg/kg dry weigh mg/kg dry weigh mg/L g/kg mg/L mg/L mg/kg mg/kg mg/kg mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/
2	PNEC values Substance name ecological compartment ethyl-acetate water water water water soil sewage treatment plant secondary poisoning with reference to: food xylene water water water soil sewage treatment plant butan-1-ol water water water water water water water water water soil sewage treatment plant butan-1-ol water water water water soil	Long term (chr	Type         fresh water         marine water         fresh water se         marine water         -         -         fresh water         marine water         fresh water se         marine water se         marine water         -         -         fresh water se         marine water         -         -         -         fresh water se         marine water         Aqua intermitt         fresh water se         marine water         Aqua intermitt         fresh water se         marine water         -	ediment sediment ediment sediment sediment tent ediment	7.9         CAS / EC r         Value         141-78-6         205-500-4         0.24         0.024         1.15         0.115         0.148         650         0.2         1330-20-7         215-535-7         0.044         0.004         2.52         0.252         0.852         1.6         71-36-3         200-751-6         0.008         2.25         0.324         0.032         0.017	mg/L mg/kg dry weigh mg/kg dry weigh mg/kg dry weigh mg/L g/kg mg/L mg/L mg/kg mg/kg mg/kg mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/
2	PNEC values Substance name ecological compartment ethyl-acetate water water water water soil sewage treatment plant secondary poisoning with reference to: food xylene water water water water soil sewage treatment plant butan-1-ol water wate	Long term (chr	Type         fresh water         marine water         fresh water se         marine water         -         -         fresh water se         marine water         fresh water se         marine water         -         -         fresh water se         marine water         -         -         fresh water se         marine water         -         -         fresh water se         marine water         -	ediment sediment ediment sediment sediment tent ediment	7.9         CAS / EC r         Value         141-78-6         205-500-4         0.24         0.024         1.15         0.115         0.148         650         0.2         1330-20-7         215-535-7         0.044         0.004         2.52         0.252         0.852         1.6         71-36-3         200-751-6         0.008         2.25         0.324	mg/L mg/kg dry weigh mg/kg dry weigh mg/kg dry weigh mg/L g/kg mg/L mg/L mg/L mg/kg mg/kg mg/kg mg/kg mg/L mg/L
2	PNEC values Substance name ecological compartment ethyl-acetate water water water water soil sewage treatment plant secondary poisoning with reference to: food xylene water water water soil sewage treatment plant butan-1-ol water water water water water water water water water soil sewage treatment plant butan-1-ol water water water water soil		Type         fresh water         marine water         fresh water se         marine water         -         -         fresh water         marine water         fresh water se         marine water se         marine water         -         -         fresh water se         marine water         -         -         -         fresh water se         marine water         Aqua intermitt         fresh water se         marine water         Aqua intermitt         fresh water se         marine water         -	ediment sediment ediment sediment sediment tent ediment	7.9         CAS / EC r         Value         141-78-6         205-500-4         0.24         0.024         1.15         0.115         0.148         650         0.2         1330-20-7         215-535-7         0.044         0.004         2.52         0.252         0.852         1.6         71-36-3         200-751-6         0.008         2.25         0.324         0.032         0.017	mg/L mg/kg dry weigh mg/kg dry weigh mg/kg dry weigh mg/L g/kg mg/L mg/L mg/kg mg/kg mg/kg mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/
2	PNEC values Substance name ecological compartment ethyl-acetate water water water water soil sewage treatment plant secondary poisoning with reference to: food xylene water water water water water soil sewage treatment plant butan-1-ol water water water water water water soil sewage treatment plant butan-1-ol		Type         fresh water         marine water         fresh water se         marine water         -         -         fresh water         marine water         fresh water se         marine water se         marine water         -         -         fresh water se         marine water         -         -         -         fresh water se         marine water         Aqua intermitt         fresh water se         marine water         Aqua intermitt         fresh water se         marine water         -	ediment sediment ediment sediment sediment tent ediment	7.9         CAS / EC r         Value         141-78-6         205-500-4         0.24         0.024         1.15         0.115         0.148         650         0.2         1330-20-7         215-535-7         0.044         0.004         2.52         0.252         0.852         1.6         71-36-3         200-751-6         0.008         2.25         0.324         0.032         0.017         2476	mg/L mg/kg dry weigh mg/kg dry weigh mg/kg dry weigh mg/L g/kg mg/L mg/L mg/kg mg/kg mg/kg mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/
2	PNEC values Substance name ecological compartment ethyl-acetate water water water water soil sewage treatment plant secondary poisoning with reference to: food xylene water water water water water soil sewage treatment plant butan-1-ol water water water water water water soil sewage treatment plant butan-1-ol		Type         fresh water         marine water         fresh water se         marine water         -         -         fresh water         marine water         fresh water se         marine water se         marine water         -         -         fresh water se         marine water         -         -         -         fresh water se         marine water         Aqua intermitt         fresh water se         marine water         Aqua intermitt         fresh water se         marine water         -	ediment sediment ediment sediment sediment tent ediment	7.9         CAS / EC r         Value         141-78-6         205-500-4         0.24         0.024         1.15         0.115         0.148         650         0.2         1330-20-7         215-535-7         0.044         0.004         2.52         0.252         0.852         1.6         71-36-3         200-751-6         0.082         0.008         2.25         0.324         0.032         0.017         2476         7429-90-5	mg/L mg/kg dry weigh mg/kg dry weigh mg/kg dry weigh mg/L g/kg mg/L mg/L mg/kg mg/kg mg/kg mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/

#### 8.2 Exposure controls

**einz**A

#### Product no.: 9660100

Current version : 5.0.0, issued: 02.09.2024

#### Appropriate engineering controls

Provide good 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, suitable respiratory protection must be worn.

#### Personal protective equipment

#### **Respiratory protection**

If workers are exposed to concentrations above the exposure limit they must use appropriate, certified respirators. Short term: filter apparatus, Filter A

#### 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.

worn. Debign operations that	to avoid pormanoni doc
Appropriate Material	nitrile rubber
Appropriate Material	butyl rubber

#### Other

Personnel should wear anti-static clothing made of natural fibre or of high temperature resistant synthetic fibre.

Environmental exposure controls

No data available.

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

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

State of aggregation	· ·			
liquid				
Form				
Aerosol				
Colour				
according to product name				
Odour				
characteristic				
pH value				
No data available				
Boiling point / boiling range				
No data available				
Melting point/freezing point No data available				
Decomposition temperature No data available				
Flash point				
No data available				
Ignition temperature				
Value		490	°C	
Flammability				
No data available				
Lower explosion limit				
Value		1.5	% vol	
Upper explosion limit				
Value		13	% vol	
Vapour pressure				
Value Reference temperature	3	- 4 20	bar °C	
Value		20 10.4	bar	
Reference temperature		50	°C	
Relative vapour density				
No data available				



Current version : 5.0.0, issued: 02.09.2024

Replaced version: 4.0.0, issued: 18.08.2022

Por	nion	: GB
Reg	JION	1: GD

Relative density					
No data available					
Density					
Value		0.95	g/cm <sup>3</sup>		
Reference temperature		20	°C		
Reference substance	varnish				
Solubility in water					
Comments	essentially	insoluble			
Solubility					
No data available					
Partition coefficient n-octanol/water (lo	g value)				
No Substance name	* /	CAS no.		EC no.	
1 ethyl-acetate		141-78-6		205-500-4	
log Pow			0.68		
Reference temperature			25	°C	
Source	ECHA				
2 propane		74-98-6		200-827-9	
log Pow	appr.		1.8		
Method	QSAR				
Source	ECHA				
Kinematic viscosity					
No data available					
Particle characteristics					
No data available					
Other information					
Other information					
No data available.					
CTION 10: Stability and reactivi	ity				
1 Reactivity					

Stable under recommended storage and handling conditions (See section 7).

#### 10.2 Chemical stability

Stable under recommended storage and handling conditions (See section 7).

#### 10.3 Possibility of hazardous reactions

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

#### 10.4 Conditions to avoid

Heat, naked flames and other ignition sources.

#### 10.5 Incompatible materials

Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

#### **10.6** Hazardous decomposition products None if stored, handled and transported properly. In case of fire: see section 5.

#### **SECTION 11: Toxicological information**

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

Acut	e oral toxicity (result of the ATE calculation f	or the mixture)	
Prod	luct Name		
einz	A Lackspray 96-601 hitzebeständig		
Com	ments	The result of the applied calculation method a Regulation (EC) 1272/2008 (CLP), Paragrap outside the values that imply a classification / according to table 3.1.1 defining the respectiv mg/kg).	h 3.1.3.6, Part 3 of Annex I is labelling of this mixture
Acut	e oral toxicity		
No	Substance name	CAS no.	EC no.
1	ethyl-acetate	141-78-6	205-500-4

NO	Substance name	CAS 110.	EC NO.
1	ethyl-acetate	141-78-6	205-500-4
LD50		>	5600 mg/kg bodyweight
Spec	ies	rat	
Sour	ce	ECHA	

Product no.: 9660100 Current version : 5.0.0, issued: 02.09.2024

Replaced version: 4.0.0, issued: 18.08.2022

Region: GB

einz

2 Hydrocarbons, C9-C12, n-alkanes, isoalkane aromatics (2-25%)	s, cyclics,	-		919-446-0
LD50	>		15000	mg/kg bodyweight
Species	rat			
Method	OECD 401			
Source	ECHA	4000 00 7		045 505 7
3 xylene	>	1330-20-7	4000	215-535-7 mg/kg bodyweight
Species	rat		4000	
Method	OECD 423			
Source	ECHA			
Acute dermal toxicity (result of the ATE calculation	for the mixtur	e)		
Product Name				
einzA Lackspray 96-601 hitzebeständig Comments	The result of th	he applied calculat	ion mothod o	ccording to the European
Comments	Regulation (E0 outside the value	C) 1272/2008 (CLI lues that imply a cl	P), Paragraph assification /	a 3.1.3.6, Part 3 of Annex I is labelling of this mixture e categories (ATE dermal > 2000
A cuto dormal toxicity	0 0/			
Acute dermal toxicity No Substance name		CAS no.		EC no.
1 ethyl-acetate		141-78-6		205-500-4
LD50	>		20000	mg/kg bodyweight
Species	rabbit			
Source 2 Hydrocarbons, C9-C12, n-alkanes, isoalkane	ECHA s cyclics	-		919-446-0
aromatics (2-25%)	s, cyches,			010 440 0
LD50	appr.		3400	mg/kg bodyweight
Species	rat			
Method Source	OECD 402 ECHA			
3 butan-1-ol	2011/1	71-36-3		200-751-6
LD50	appr.		3430	mg/kg bodyweight
Species	rabbit			
N 4 - 411	0505 400			
Method	OECD 402 ECHA			
Source	ECHA	iv(1,100)		
Source Acute inhalational toxicity (result of the ATE calcu	ECHA	iixture)		
Source	ECHA	ixture)		
Source Acute inhalational toxicity (result of the ATE calcu Product Name	ECHA lation for the m The result of the Regulation (Ed outside the va according to ta	he applied calculat C) 1272/2008 (CLI lues that imply a cl able 3.1.1 defining	P), Paragraph assification / the respective	ccording to the European 1 3.1.3.6, Part 3 of Annex I is labelling of this mixture e categories (ATE for inhalation: > 5 mg/l (dusts/mists).
Source Acute inhalational toxicity (result of the ATE calcu Product Name einzA Lackspray 96-601 hitzebeständig Comments Acute inhalational toxicity	ECHA lation for the m The result of the Regulation (Ed outside the va according to ta	he applied calculat C) 1272/2008 (CLI lues that imply a cl able 3.1.1 defining V (gases), > 20 mg	P), Paragraph assification / the respective	n 3.1.3.ô, Part 3 of Annex I is labelling of this mixture e categories (ATE for inhalation: > 5 mg/l (dusts/mists).
Source         Acute inhalational toxicity (result of the ATE calcu         Product Name         einzA Lackspray 96-601 hitzebeständig         Comments         Acute inhalational toxicity         No       Substance name	ECHA lation for the m The result of the Regulation (Ed outside the va according to ta	he applied calculat C) 1272/2008 (CLI lues that imply a cl able 3.1.1 defining V (gases), > 20 mg CAS no.	P), Paragraph assification / the respective	a 3.1.3.ô, Part 3 of Annex I is labelling of this mixture e categories (ATE for inhalation: > 5 mg/l (dusts/mists). EC no.
Source         Acute inhalational toxicity (result of the ATE calcu         Product Name         einzA Lackspray 96-601 hitzebeständig         Comments         Acute inhalational toxicity         No       Substance name         1       propane	ECHA Iation for the m The result of th Regulation (EC outside the va according to ta > 20.000 ppm	he applied calculat C) 1272/2008 (CLI lues that imply a cl able 3.1.1 defining V (gases), > 20 mg	P), Paragraph assification / the respective // (vapours), 3	a 3.1.3.6, Part 3 of Annex I is labelling of this mixture e categories (ATE for inhalation: > 5 mg/l (dusts/mists). EC no. 200-827-9
Source         Acute inhalational toxicity (result of the ATE calcu         Product Name         einzA Lackspray 96-601 hitzebeständig         Comments         Acute inhalational toxicity         No       Substance name	ECHA lation for the m The result of the Regulation (Ed outside the va according to ta	he applied calculat C) 1272/2008 (CLI lues that imply a cl able 3.1.1 defining V (gases), > 20 mg CAS no.	P), Paragraph assification / the respective	a 3.1.3.ô, Part 3 of Annex I is labelling of this mixture e categories (ATE for inhalation: > 5 mg/l (dusts/mists). EC no.
Source         Acute inhalational toxicity (result of the ATE calcu         Product Name         einzA Lackspray 96-601 hitzebeständig         Comments         Acute inhalational toxicity         No       Substance name         1       propane         LC50         Duration of exposure         State of aggregation	ECHA lation for the m The result of the Regulation (Ed outside the va according to ta > 20.000 ppm' Gas	he applied calculat C) 1272/2008 (CLI lues that imply a cl able 3.1.1 defining V (gases), > 20 mg CAS no.	P), Paragraph assification / / the respective //I (vapours), : 800000	a 3.1.3.ô, Part 3 of Annex I is labelling of this mixture e categories (ATE for inhalation: > 5 mg/l (dusts/mists). EC no. 200-827-9 ppmV
Source         Acute inhalational toxicity (result of the ATE calcu         Product Name         einzA Lackspray 96-601 hitzebeständig         Comments         Acute inhalational toxicity         No       Substance name         1       propane         LC50         Duration of exposure         State of aggregation         Species	ECHA lation for the m The result of th Regulation (Ec outside the va according to ta > 20.000 ppm	he applied calculat C) 1272/2008 (CLI lues that imply a cl able 3.1.1 defining V (gases), > 20 mg CAS no.	P), Paragraph assification / / the respective //I (vapours), : 800000	a 3.1.3.ô, Part 3 of Annex I is labelling of this mixture e categories (ATE for inhalation: > 5 mg/l (dusts/mists). EC no. 200-827-9 ppmV
Source         Acute inhalational toxicity (result of the ATE calcu         Product Name         einzA Lackspray 96-601 hitzebeständig         Comments         Acute inhalational toxicity         No       Substance name         1       propane         LC50         Duration of exposure         State of aggregation         Species         Source	ECHA lation for the m The result of th Regulation (EC outside the va according to ta > 20.000 ppm	he applied calculat C) 1272/2008 (CLI lues that imply a cl able 3.1.1 defining V (gases), > 20 mg CAS no. 74-98-6	P), Paragraph assification / / the respective //I (vapours), : 800000 0.25	a 3.1.3.ô, Part 3 of Annex I is labelling of this mixture e categories (ATE for inhalation: > 5 mg/l (dusts/mists). EC no. 200-827-9 ppmV h
Source         Acute inhalational toxicity (result of the ATE calcu         Product Name         einzA Lackspray 96-601 hitzebeständig         Comments         Acute inhalational toxicity         No       Substance name         1       propane         LC50         Duration of exposure         State of aggregation         Species	ECHA lation for the m The result of th Regulation (EC outside the va according to ta > 20.000 ppm	he applied calculat C) 1272/2008 (CLI lues that imply a cl able 3.1.1 defining V (gases), > 20 mg CAS no.	P), Paragraph assification / / the respective //I (vapours), : 800000 0.25	a 3.1.3.ô, Part 3 of Annex I is labelling of this mixture e categories (ATE for inhalation: > 5 mg/l (dusts/mists). EC no. 200-827-9 ppmV h
Source         Acute inhalational toxicity (result of the ATE calcu         Product Name         einzA Lackspray 96-601 hitzebeständig         Comments         Acute inhalational toxicity         No       Substance name         1       propane         LC50         Duration of exposure         State of aggregation         Species         Source         Evaluation/classification         2       butan-1-ol         LC50	ECHA lation for the m The result of th Regulation (EC outside the va according to ta > 20.000 ppm	he applied calculat C) 1272/2008 (CLI lues that imply a cl able 3.1.1 defining V (gases), > 20 mg CAS no. 74-98-6	P), Paragraph assification / / the respective // (vapours), : 800000 0.25 800000 0.25	a 3.1.3.6, Part 3 of Annex I is labelling of this mixture e categories (ATE for inhalation: > 5 mg/l (dusts/mists). EC no. 200-827-9 ppmV h eria are not met. 200-751-6 mg/l
Source         Acute inhalational toxicity (result of the ATE calcu         Product Name         einzA Lackspray 96-601 hitzebeständig         Comments         Acute inhalational toxicity         No         Substance name         1         propane         LC50         Duration of exposure         State of aggregation         Species         Source         Evaluation/classification         2       butan-1-ol         LC50         Duration of exposure	ECHA lation for the m The result of th Regulation (Ed outside the va according to ta > 20.000 ppm) Gas rat ECHA Based on avainable	he applied calculat C) 1272/2008 (CLI lues that imply a cl able 3.1.1 defining V (gases), > 20 mg CAS no. 74-98-6	P), Paragraph assification / / the respective // (vapours), : 800000 0.25	a 3.1.3.6, Part 3 of Annex I is labelling of this mixture e categories (ATE for inhalation: > 5 mg/l (dusts/mists). EC no. 200-827-9 ppmV h eria are not met. 200-751-6
Source         Acute inhalational toxicity (result of the ATE calcu         Product Name         einzA Lackspray 96-601 hitzebeständig         Comments         Acute inhalational toxicity         No         Substance name         1       propane         LC50         Duration of exposure         State of aggregation         Species         Source         Evaluation/classification         2       butan-1-ol         LC50         Duration of exposure         State of aggregation         Species         Source         Evaluation/classification         2       butan-1-ol         LC50         Duration of exposure         State of aggregation	ECHA lation for the m The result of the Regulation (EC outside the va according to ta > 20.000 ppm' Gas rat ECHA Based on avait > Dust/mist	he applied calculat C) 1272/2008 (CLI lues that imply a cl able 3.1.1 defining V (gases), > 20 mg CAS no. 74-98-6	P), Paragraph assification / / the respective // (vapours), : 800000 0.25 800000 0.25	a 3.1.3.6, Part 3 of Annex I is labelling of this mixture e categories (ATE for inhalation: > 5 mg/l (dusts/mists). EC no. 200-827-9 ppmV h eria are not met. 200-751-6 mg/l
Source         Acute inhalational toxicity (result of the ATE calcu         Product Name         einzA Lackspray 96-601 hitzebeständig         Comments         Acute inhalational toxicity         No         Substance name         1         propane         LC50         Duration of exposure         State of aggregation         Species         Source         Evaluation/classification         2       butan-1-ol         LC50         Duration of exposure	ECHA lation for the m The result of th Regulation (Ed outside the va according to ta > 20.000 ppm) Gas rat ECHA Based on avainable	he applied calculat C) 1272/2008 (CLI lues that imply a cl able 3.1.1 defining V (gases), > 20 mg CAS no. 74-98-6	P), Paragraph assification / / the respective // (vapours), : 800000 0.25 800000 0.25	a 3.1.3.6, Part 3 of Annex I is labelling of this mixture e categories (ATE for inhalation: > 5 mg/l (dusts/mists). EC no. 200-827-9 ppmV h eria are not met. 200-751-6 mg/l
Source         Acute inhalational toxicity (result of the ATE calcu         Product Name         einzA Lackspray 96-601 hitzebeständig         Comments         Comments         Acute inhalational toxicity         No         Substance name         1         propane         LC50         Duration of exposure         State of aggregation         Species         Source         Evaluation/classification         2       butan-1-ol         LC50         Duration of exposure         State of aggregation         Species         Source         Evaluation/classification         2       butan-1-ol         LC50         Duration of exposure         State of aggregation         Species         Method         Source	ECHA lation for the m The result of the Regulation (Ed outside the va according to ta > 20.000 ppm' Gas rat ECHA Based on avait > Dust/mist rat	he applied calculat C) 1272/2008 (CLI lues that imply a cl able 3.1.1 defining V (gases), > 20 mg CAS no. 74-98-6	P), Paragraph assification / / the respective // (vapours), : 800000 0.25 800000 0.25	a 3.1.3.ô, Part 3 of Annex I is labelling of this mixture e categories (ATE for inhalation: > 5 mg/l (dusts/mists). EC no. 200-827-9 ppmV h eria are not met. 200-751-6 mg/l h
Source         Acute inhalational toxicity (result of the ATE calcu         Product Name         einzA Lackspray 96-601 hitzebeständig         Comments         Comments         Acute inhalational toxicity         No         Substance name         1         propane         LC50         Duration of exposure         State of aggregation         Species         Source         Evaluation/classification         2       butan-1-ol         LC50         Duration of exposure         State of aggregation         Species         Method         Source         3         aluminium powder (stabilised)	ECHA ation for the m The result of th Regulation (EC outside the va according to ta > 20.000 ppm' Gas rat ECHA Based on avai > Dust/mist rat OECD 403 ECHA	he applied calculat C) 1272/2008 (CLI lues that imply a cl able 3.1.1 defining V (gases), > 20 mg CAS no. 74-98-6	P), Paragraph assification / / the respective // (vapours), : 800000 0.25 ssification crite 17.76 4	a 3.1.3.ô, Part 3 of Annex I is labelling of this mixture e categories (ATE for inhalation: > 5 mg/l (dusts/mists). EC no. 200-827-9 ppmV h eria are not met. 200-751-6 mg/l h
Source         Acute inhalational toxicity (result of the ATE calcu         Product Name         einzA Lackspray 96-601 hitzebeständig         Comments         Comments         Acute inhalational toxicity         No         Substance name         1         propane         LC50         Duration of exposure         State of aggregation         Species         Source         Evaluation/classification         2       butan-1-ol         LC50         Duration of exposure         State of aggregation         Species         Method         Source         3       aluminium powder (stabilised)         LC50	ECHA lation for the m The result of the Regulation (Ed outside the va according to ta > 20.000 ppm' Gas rat ECHA Based on avait > Dust/mist rat OECD 403	he applied calculat C) 1272/2008 (CLI lues that imply a cl able 3.1.1 defining V (gases), > 20 mg CAS no. 74-98-6	P), Paragraph assification / / the respective // (vapours), : 800000 0.25 ssification crite 17.76 4	a 3.1.3.ô, Part 3 of Annex I is labelling of this mixture e categories (ATE for inhalation: > 5 mg/l (dusts/mists). EC no. 200-827-9 ppmV h eria are not met. 200-751-6 mg/l h
Source         Acute inhalational toxicity (result of the ATE calcu         Product Name         einzA Lackspray 96-601 hitzebeständig         Comments         Comments         Acute inhalational toxicity         No         Substance name         1         propane         LC50         Duration of exposure         State of aggregation         Species         Source         Evaluation/classification         2       butan-1-ol         LC50         Duration of exposure         State of aggregation         Species         Source         State of aggregation         Species         Method         Source         3       aluminium powder (stabilised)         LC50         Duration of exposure	ECHA ation for the m The result of th Regulation (EC outside the va according to ta > 20.000 ppm' Gas rat ECHA Based on avai > Dust/mist rat OECD 403 ECHA	he applied calculat C) 1272/2008 (CLI lues that imply a cl able 3.1.1 defining V (gases), > 20 mg CAS no. 74-98-6	P), Paragraph assification / / the respective // (vapours), : 800000 0.25 ssification crite 17.76 4	a 3.1.3.ô, Part 3 of Annex I is labelling of this mixture e categories (ATE for inhalation: > 5 mg/l (dusts/mists). EC no. 200-827-9 ppmV h eria are not met. 200-751-6 mg/l h
Source         Acute inhalational toxicity (result of the ATE calcu         Product Name         einzA Lackspray 96-601 hitzebeständig         Comments         Acute inhalational toxicity         No         Substance name         1       propane         LC50         Duration of exposure         State of aggregation         Species         Source         Evaluation/classification         2       butan-1-ol         LC50         Duration of exposure         State of aggregation         Species         Source         Evaluation/classification         2       butan-1-ol         LC50         Duration of exposure         State of aggregation         Species         Method         Source         3       aluminium powder (stabilised)         LC50         Duration of exposure         State of aggregation         Species         Method         Source         State of aggregation         Species         Method         Source         Stat	ECHA ation for the m The result of the Regulation (EC outside the va according to ta > 20.000 ppm' Gas rat ECHA Based on avait > Dust/mist rat OECD 403 ECHA S Dust/mist rat	he applied calculat C) 1272/2008 (CLI lues that imply a cl able 3.1.1 defining V (gases), > 20 mg CAS no. 74-98-6	P), Paragraph assification / / the respective // (vapours), : 800000 0.25 ssification crite 17.76 4	a 3.1.3.ô, Part 3 of Annex I is labelling of this mixture e categories (ATE for inhalation: > 5 mg/l (dusts/mists). EC no. 200-827-9 ppmV h eria are not met. 200-751-6 mg/l h
Source         Acute inhalational toxicity (result of the ATE calcu         Product Name         einzA Lackspray 96-601 hitzebeständig         Comments         Acute inhalational toxicity         No       Substance name         1       propane         LC50         Duration of exposure         State of aggregation         Species         Source         Evaluation/classification         2       butan-1-ol         LC50         Duration of exposure         State of aggregation         Species         Source         State of aggregation         Species         Method         Source         3       aluminium powder (stabilised)         LC50         Duration of exposure         State of aggregation         Species         Method         Source         3       aluminium powder (stabilised)         LC50         Duration of exposure         State of aggregation	ECHA ation for the m The result of the Regulation (EC outside the va according to ta > 20.000 ppm' Gas rat ECHA Based on avait > Dust/mist rat OECD 403 ECHA > Dust/mist rat ECHA	he applied calculat C) 1272/2008 (CLI lues that imply a cl able 3.1.1 defining V (gases), > 20 mg CAS no. 74-98-6	P), Paragraph assification / / the respective // (vapours), : 800000 0.25 ssification crite 17.76 4	a 3.1.3.ô, Part 3 of Annex I is labelling of this mixture e categories (ATE for inhalation: > 5 mg/l (dusts/mists). EC no. 200-827-9 ppmV h eria are not met. 200-751-6 mg/l h

Product no.: 9660100

Current version : 5.0.0, issued: 02.09.2024

Region: GB

No	corrosion/irritation	040 **	EC no.
<u>No</u> 1	Substance name ethyl-acetate	CAS no. 141-78-6	EC no. 205-500-4
I Spec		rabbit	203-300-4
Meth		OECD 404	
Sour		ECHA	
	uation	low-irritant	
	uation/classification		classification criteria are not met.
<u>2</u>	xylene	1330-20-7	215-535-7
	tion of exposure	1330-20-7	215-535-7 24 h
Spec		rabbit	24 11
Sour		ECHA	
	uation	irritant	
<u>3</u>	butan-1-ol	71-36-3	200-751-6
-		rabbit	200-751-6
Spec Sour		ECHA	
	uation	irritant	
Evai	ualion	IIIIdiit	
Seri	ous eye damage/irritation		
	Substance name	CAS no.	EC no.
1	ethyl-acetate	141-78-6	205-500-4
Spec		rabbit	
Meth		OECD 405	
Sour		ECHA	
	uation	low-irritant	
2	xylene	1330-20-7	215-535-7
_ Spec		rabbit	
Sour		ECHA	
	uation	low-irritant	
	uation/classification		classification criteria are not met.
3	butan-1-ol	71-36-3	200-751-6
Spec		rabbit	200 /01 0
Meth		OECD 405	
Sour		ECHA	
	uation	strongly irritant	
Lvai	dation	Strongly Initalit	
	piratory or skin sensitisation		
No	Substance name	CAS no.	EC no.
1	ethyl-acetate	141-78-6	205-500-4
Rout	e of exposure	Skin	
Snor	cies	guinea pig	
oper			
•	nod	OECD 406	
Meth		ECHA	
Meth Sour			
Meth Sour Eval	се	ECHA	200-751-6
Meth Sour Eval 2	rce uation <b>butan-1-ol</b>	ECHA non-sensitizing	200-751-6
Meth Sour Eval 2 Rout	rce uation	ECHA non-sensitizing 71-36-3 Skin	200-751-6
Meth Sour Eval 2 Rout Eval	ce uation butan-1-ol te of exposure uation/classification	ECHA non-sensitizing 71-36-3 Skin	
Meth Sour Eval 2 Rout Eval <b>Gerr</b>	rce uation butan-1-ol te of exposure uation/classification n cell mutagenicity	ECHA non-sensitizing 71-36-3 Skin Based on available data, the	classification criteria are not met.
Meth Sour Eval Rout Eval Gerr No	ce uation butan-1-ol te of exposure uation/classification n cell mutagenicity Substance name	ECHA non-sensitizing 71-36-3 Skin Based on available data, the CAS no.	classification criteria are not met. EC no.
Meth Sour Eval Rout Eval Eval <b>Gerr</b> No	rce uation butan-1-ol te of exposure uation/classification n cell mutagenicity Substance name butane	ECHA non-sensitizing 71-36-3 Skin Based on available data, the CAS no. 106-97-8	classification criteria are not met. EC no. 203-448-7
Meth Sour Eval Rout Eval Eval <b>Gerr</b> No 1	te of exposure uation/classification n cell mutagenicity Substance name butane o of examination	ECHA non-sensitizing 71-36-3 Skin Based on available data, the CAS no. 106-97-8 In vitro Mammalian Chromos	classification criteria are not met. EC no. 203-448-7
Meth Sour Eval Rout Eval Eval Spece	rce uation butan-1-ol te of exposure uation/classification n cell mutagenicity Substance name butane e of examination cies	ECHA non-sensitizing 71-36-3 Skin Based on available data, the CAS no. 106-97-8 In vitro Mammalian Chromos Human Lymphocyte	classification criteria are not met. EC no. 203-448-7
Meth Sour Eval Rout Eval Eval Spece	rce uation butan-1-ol te of exposure uation/classification n cell mutagenicity Substance name butane e of examination cies	ECHA non-sensitizing 71-36-3 Skin Based on available data, the CAS no. 106-97-8 In vitro Mammalian Chromos Human Lymphocyte OECD 473	classification criteria are not met. EC no. 203-448-7
Meth Sour Eval Rout Eval Eval Eval <b>Gerr</b> No 1 Type Spec Meth	rce uation butan-1-ol te of exposure uation/classification n cell mutagenicity Substance name butane e of examination cies nod	ECHA non-sensitizing 71-36-3 Skin Based on available data, the CAS no. 106-97-8 In vitro Mammalian Chromos Human Lymphocyte	classification criteria are not met. EC no. 203-448-7
Meth Sour Eval Rout Eval Eval Gerr No 1 Type Spec Meth Sour Eval	rce uation butan-1-ol te of exposure uation/classification n cell mutagenicity Substance name butane of examination cies lood rce uation/classification	ECHA non-sensitizing 71-36-3 Skin Based on available data, the CAS no. 106-97-8 In vitro Mammalian Chromos Human Lymphocyte OECD 473 ECHA Based on available data, the	classification criteria are not met. EC no. 203-448-7 omal Aberration Test classification criteria are not met.
Meth Sour Eval Rout Eval Eval Gerr No 1 Type Spec Meth Sour Eval	rce uation butan-1-ol te of exposure uation/classification n cell mutagenicity Substance name butane e of examination cles nod crce	ECHA non-sensitizing 71-36-3 Skin Based on available data, the CAS no. 106-97-8 In vitro Mammalian Chromos Human Lymphocyte OECD 473 ECHA Based on available data, the in vitro gene mutation study in	classification criteria are not met. EC no. 203-448-7 omal Aberration Test classification criteria are not met.
Meth Sour Eval 2 Rout Eval Eval Spec Sour Eval Type	rce uation butan-1-ol te of exposure uation/classification n cell mutagenicity Substance name butane of examination cies ood rce uation/classification e of examination	ECHA non-sensitizing 71-36-3 Skin Based on available data, the CAS no. 106-97-8 In vitro Mammalian Chromos Human Lymphocyte OECD 473 ECHA Based on available data, the in vitro gene mutation study in Salmonella typhimurium	classification criteria are not met. EC no. 203-448-7 omal Aberration Test classification criteria are not met.
Meth Sourr Evalue Rout Evalue Gerr No 1 Type Spece Meth Sourr Evalue Type Spece	rce uation butan-1-ol te of exposure uation/classification n cell mutagenicity Substance name butane of examination cies od cce uation/classification e of examination cies	ECHA non-sensitizing 71-36-3 Skin Based on available data, the CAS no. 106-97-8 In vitro Mammalian Chromos Human Lymphocyte OECD 473 ECHA Based on available data, the in vitro gene mutation study in Salmonella typhimurium OECD 471	classification criteria are not met. EC no. 203-448-7 omal Aberration Test classification criteria are not met.
Meth Sour Evali Rout Evali Gerr No Type Spec Meth Sour Evali Type Spec Meth Sour Spec Meth Sour	rce uation butan-1-ol te of exposure uation/classification n cell mutagenicity Substance name butane of examination cies ood cce uation/classification e of examination cies ood cce uation/classification e of examination cies ood cce	ECHA non-sensitizing 71-36-3 Skin Based on available data, the CAS no. 106-97-8 In vitro Mammalian Chromos Human Lymphocyte OECD 473 ECHA Based on available data, the in vitro gene mutation study in Salmonella typhimurium OECD 471 ECHA	EC no. 203-448-7 omal Aberration Test classification criteria are not met. n bacteria
Meth Sour Evali Rout Evali Gerr No Type Spec Meth Sour Evali Type Spec Meth Sour Spec Meth Sour	rce uation butan-1-ol te of exposure uation/classification n cell mutagenicity Substance name butane of examination cies nod ce uation/classification e of examination cies nod	ECHA non-sensitizing 71-36-3 Skin Based on available data, the CAS no. 106-97-8 In vitro Mammalian Chromos Human Lymphocyte OECD 473 ECHA Based on available data, the in vitro gene mutation study in Salmonella typhimurium OECD 471 ECHA	classification criteria are not met. EC no. 203-448-7 omal Aberration Test classification criteria are not met.
Meth Sour Evali Rout Evali Gerr No Type Spec Meth Sour Evali Sour Evali	rce uation butan-1-ol te of exposure uation/classification n cell mutagenicity Substance name butane of examination cies ood cce uation/classification e of examination cies ood cce uation/classification e of examination cies ood cce	ECHA non-sensitizing 71-36-3 Skin Based on available data, the CAS no. 106-97-8 In vitro Mammalian Chromos Human Lymphocyte OECD 473 ECHA Based on available data, the in vitro gene mutation study in Salmonella typhimurium OECD 471 ECHA	EC no. 203-448-7 omal Aberration Test classification criteria are not met. n bacteria
Meth Sour Eval Rout Eval Gerr No 1 Type Spec Meth Sour Eval Sour Eval Sour Eval 2	te di exposure uation/classification n cell mutagenicity Substance name butane e of examination cies nod ce uation/classification e of examination cies nod ce uation/classification botane of examination cies nod ce uation/classification butan-1-ol	ECHA non-sensitizing 71-36-3 Skin Based on available data, the CAS no. 106-97-8 In vitro Mammalian Chromos Human Lymphocyte OECD 473 ECHA Based on available data, the in vitro gene mutation study in Salmonella typhimurium OECD 471 ECHA Based on available data, the	EC no.         203-448-7         omal Aberration Test         classification criteria are not met.         n bacteria         classification criteria are not met.
Meth Sour Eval Rout Eval Gerr No 1 Type Spec Meth Sour Eval Sour Eval Sour Eval Sour Spec Meth Sour Spec Meth Sour Spec Meth Sour Spec Spec Spec Spec Spec Spec Spec Spec	te di exposure uation/classification n cell mutagenicity Substance name butane e of examination cies nod ce uation/classification e of examination cies nod ce uation/classification botane of examination cies nod ce uation/classification butan-1-ol	ECHA non-sensitizing         71-36-3         Skin         Based on available data, the         CAS no.         106-97-8         In vitro Mammalian Chromos Human Lymphocyte OECD 473 ECHA Based on available data, the in vitro gene mutation study in Salmonella typhimurium OECD 471 ECHA Based on available data, the         DECD 473 ECHA Based on available data, the	EC no.         203-448-7         omal Aberration Test         classification criteria are not met.         n bacteria         classification criteria are not met.
Meth Sour Eval 2 Rout Eval Gerr No 1 Type Spec Meth Sour Eval Sour Eval Sour Eval Sour Eval	rce uation butan-1-ol te of exposure uation/classification n cell mutagenicity Substance name butane of examination cies ood ce uation/classification e of examination cies nod ce uation/classification te uation/classification ce uation/classification butan-1-ol ce uation/classification	ECHA non-sensitizing         71-36-3         Skin         Based on available data, the         CAS no.         106-97-8         In vitro Mammalian Chromos Human Lymphocyte OECD 473 ECHA Based on available data, the in vitro gene mutation study in Salmonella typhimurium OECD 471 ECHA Based on available data, the         DECD 473 ECHA Based on available data, the	EC no. 203-448-7 omal Aberration Test classification criteria are not met. n bacteria classification criteria are not met. 200-751-6
Meth Sour Eval 2 Rout Eval Gerr No 1 Type Spec Meth Sour Eval Sour Eval Sour Eval Sour Eval Rep	rce uation butan-1-ol te of exposure uation/classification n cell mutagenicity Substance name butane of examination cies ood cree uation/classification of examination cies ood cree uation/classification butan-1-ol cree uation/classification butan-1-ol cree uation/classification cree uation/classification butan-1-ol cree uation/classification	ECHA non-sensitizing         71-36-3         Skin         Based on available data, the         CAS no.         106-97-8         In vitro Mammalian Chromos Human Lymphocyte OECD 473 ECHA Based on available data, the in vitro gene mutation study in Salmonella typhimurium OECD 471 ECHA Based on available data, the         71-36-3         ECHA Based on available data, the	EC no. 203-448-7 omal Aberration Test classification criteria are not met. n bacteria classification criteria are not met. 200-751-6 classification criteria are not met.
Meth Sour Eval 2 Rout Eval Cerr No 1 Type Spec Meth Sour Eval Sour Eval 2 Sour Eval Repl Repl No	rce uation butan-1-ol te of exposure uation/classification n cell mutagenicity Substance name butane of examination cies ood cree uation/classification of examination cies ood cree uation/classification butan-1-ol cre uation/classification butan-1-ol cre uation/classification butan-1-ol cre uation/classification butan-1-ol cre uation/classification butan-1-ol cre uation/classification butan-1-ol cre uation/classification	ECHA non-sensitizing         71-36-3         Skin         Based on available data, the         CAS no.         106-97-8         In vitro Mammalian Chromos Human Lymphocyte OECD 473 ECHA Based on available data, the in vitro gene mutation study in Salmonella typhimurium OECD 471 ECHA Based on available data, the         71-36-3         ECHA Based on available data, the         CAS no.	EC no. 203-448-7 omal Aberration Test classification criteria are not met. n bacteria classification criteria are not met. 200-751-6 classification criteria are not met. EC no.
Meth Sour Eval Rout Eval Gerr No 1 Type Spec Meth Sour Eval Spec Meth Sour Eval Z Sour Eval Repl No 1 1 Type Spec Meth Spec Meth Sour Eval 1 Type Spec Meth Sour Eval 1 Type Spec Meth Sour Eval 1 Type Spec Meth Spec Spec Meth Spec Spec Meth Spec Spec Meth Spec Spec Spec Meth Spec Spec Spec Spec Spec Spec Spec Spec	rce uation butan-1-ol te of exposure uation/classification n cell mutagenicity Substance name butane of examination cies ood ce uation/classification o of examination cies ood ce uation/classification butan-1-ol ce uation/classification butan-1-ol ce uation/classification butan-1-ol ce uation/classification butan-1-ol ce uation/classification butan-1-ol ce uation/classification butan-1-ol ce uation/classification butan-1-ol ce uation/classification	ECHA non-sensitizing         71-36-3         Skin         Based on available data, the         CAS no.         106-97-8         In vitro Mammalian Chromos Human Lymphocyte OECD 473 ECHA Based on available data, the in vitro gene mutation study in Salmonella typhimurium OECD 471 ECHA Based on available data, the         71-36-3         ECHA Based on available data, the         CAS no.         CAS no.         CAS no.	EC no. 203-448-7 omal Aberration Test classification criteria are not met. n bacteria classification criteria are not met. 200-751-6 classification criteria are not met.
Meth Sour Eval Rout Eval Gerr No 1 Type Spec Meth Sour Eval Spec Spec Meth Sour Eval Spec Spec Meth Sour Eval Rout 1 Type Spec No 1 Type Spec Spec Spec Spec Spec Spec Spec Sp	rce uation butan-1-ol te of exposure uation/classification n cell mutagenicity Substance name butane of examination cies od ce uation/classification o of examination cies od ce uation/classification butan-1-ol ce uation/classification butan-1-ol ce uation/classification butan-1-ol ce uation/classification butan-1-ol ce uation/classification butan-1-ol ce uation/classification ce uation/classification butan-1-ol ce uation/classification ce uation/classification butan-1-ol ce uation/classification ce uation/classification ce uation/classification butan-1-ol ce uation/classification	ECHA         non-sensitizing         71-36-3         Skin         Based on available data, the         CAS no.         106-97-8         In vitro Mammalian Chromos         Human Lymphocyte         OECD 473         ECHA         Based on available data, the         in vitro gene mutation study in         Salmonella typhimurium         OECD 471         ECHA         Based on available data, the         OECD 471         ECHA         Based on available data, the         CHA         Based on available data, the         CHA         Based on available data, the         CAS no.         106-97-8         inhalational	EC no. 203-448-7 omal Aberration Test classification criteria are not met. n bacteria classification criteria are not met. 200-751-6 classification criteria are not met. EC no.
Meth Sour Eval Rout Eval Gerr No 1 Type Spec Meth Sour Eval Spec Meth Sour Eval Z Sour Eval Repl No 1 1 Type Spec Meth Spec Meth Sour Eval 1 Type Spec Meth Sour Eval 1 Type Spec Meth Sour Eval 1 Type Spec Meth Spec Spec Meth Spec Spec Meth Spec Spec Meth Spec Spec Spec Meth Spec Spec Spec Spec Spec Spec Spec Spec	rce uation butan-1-ol te of exposure uation/classification n cell mutagenicity Substance name butane e of examination cles nod cce uation/classification e of examination cles nod cce uation/classification butan-1-ol cce uation/classification for toxicity Substance name butane te of exposure cles	ECHA non-sensitizing         71-36-3         Skin         Based on available data, the         CAS no.         106-97-8         In vitro Mammalian Chromos Human Lymphocyte OECD 473 ECHA Based on available data, the in vitro gene mutation study in Salmonella typhimurium OECD 471 ECHA Based on available data, the         71-36-3         ECHA Based on available data, the         CAS no.         CAS no.         CAS no.	EC no. 203-448-7 omal Aberration Test classification criteria are not met. n bacteria classification criteria are not met. 200-751-6 classification criteria are not met. EC no.



Current version : 5.0.0, issued: 02.09.2024

Replaced version: 4.0.0	, issued: 18.08.2022

Sour	ce	ECHA		
Eval	uation/classification	Based on availa	ole data, the clas	sification criteria are not met.
2	propane		74-98-6	200-827-9
	te of exposure	inhalational		
NOA				12000 ppm
Туре	e of examination			ty Study with the
~			evelopmental Tox	cicity Screening Test
Spec		rat OECD 422		
Meth Sour		ECHA		
	uation/classification		ole data the clas	sification criteria are not met.
3	butan-1-ol		71-36-3	200-751-6
Sour		ECHA		200 /01 0
	uation/classification		ole data, the clas	sification criteria are not met.
Care	cinogenicity		·	
	lata available			
	T - single exposure			
	Substance name		CAS no.	EC no.
1	ethyl-acetate		141-78-6	205-500-4
-	te of exposure	inhalational		200 000 1
NOE				350 ppm
Spec		rat		ppin
Sour		ECHA		
Effec	cts	May cause drow	siness or dizzine	ess.
Eval	uation/classification	Based on availa	ole data, the clas	sification criteria are met.
STO	T - repeated exposure			
No	Substance name		CAS no.	EC no.
1	butane		106-97-8	203-448-7
	te of exposure	inhalational		
Spee		rat		
Meth		OECD 422		
Sour		ECHA		
	uation/classification		,	sification criteria are not met.
2 Pout	propane te of exposure	inhalational	74-98-6	200-827-9
LOA		Innaiationai		12000 ppm
Spec		rat		12000 ppili
Meth		OECD 422		
Sour		ECHA		
	uation/classification		ole data, the clas	sification criteria are not met.
Asn	iration hazard			
	lata available			
End	ocrine disrupting properties			
	lata available			
Dela	yed and immediate effects as well as c	hronic effects from short	and long-term	exposure
				g difficulties, headache, nausea and vomiting
	· · · · · · · · · · · · · · · · · · ·			, , J

#### 11.2 Information on other hazards

Other information

No data available.

## **SECTION 12: Ecological information**

## 12.1 Toxicity

Toxic	city to fish (acute)			
No	Substance name	CAS no.		EC no.
1	ethyl-acetate	141-78-6		205-500-4
LC50			220	mg/l
Dura	tion of exposure		96	h
Spec	ies	Pimephales promelas		
Sour	ce	ECHA		
2	Hydrocarbons, C9-C12, n-alkanes, isoalkanes aromatics (2-25%)	, cyclics, -		919-446-0
LL50		10	- 30	mg/l
Dura	tion of exposure		96	h
Spec	ies	Oncorhynchus mykiss		

Region: GB

**ein** 

EL50

Species Method Source

EC50

1

2

NOEC

Species

Method

NOEC

Species

Method

Source

NOEC

Species

Method

Source

1

EL50

Species Method

2 butan-1-ol

EC50

Species

Species Method Source

Duration of exposure

3 butan-1-ol

Duration of exposure

Toxicity to Daphnia (chronic)

aromatics (2-25%)

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics,

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics,

No Substance name

ethyl-acetate

Duration of exposure

3 butan-1-ol

Duration of exposure

Toxicity to algae (acute)

aromatics (2-25%)

No Substance name

Duration of exposure

Duration of exposure

## Trade name: einzA Lackspray 96-601 hitzebeständig

rent version : 5.0.0, issued: 02.09.2024	Replaced version: 4.0.0	0, issued: 18.0	8.2022	Region: G
Method	OECD 203			
Source	ECHA			
3 xylene	1330-20-7		215-535-7	
LC50 Duration of exposure		2.6 96	mg/l h	
Species Method	Oncorhynchus mykiss OECD 203			
Source	ECHA			
4 butan-1-ol	71-36-3		200-751-6	
LC50 Duration of exposure		1376 96	mg/l h	
Species Method	Pimephales promelas OECD 203			
Source	ECHA			
Toxicity to fish (chronic) No data available Toxicity to Daphnia (acute)				
No Substance name	CAS no.		EC no.	
1 ethyl-acetate	141-78-6		205-500-4	
EC50 Duration of exposure		3090 24	mg/l h	
Species Source	Daphnia magna ECHA			
2 Hydrocarbons, C9-C12, n-alkanes, isoa aromatics (2-25%)	-		919-446-0	

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Daphnia magna OECD 202

Daphnia magna OECD 202

Daphnia magna

Daphnia magna

Daphnia magna OECD 211

ECHA

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4.1

72

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72

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71-36-3

CAS no.

141-78-6

71-36-3

CAS no.

71-36-3

Pseudokirchneriella subcapitata

Pseudokirchneriella subcapitata

-

mg/l

mg/l

mg/l

mg/l

mg/l

mg/l

mg/l

h

h

day(s)

day(s)

h

h

200-751-6

EC no.

205-500-4

919-446-0

200-751-6

EC no.

919-446-0

200-751-6

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Method Source	OECD 201 ECHA		
Toxicity to algae (chronic)	•		
No Substance name	CAS no.		EC no.
1 ethyl-acetate	141-78-6		205-500-4
NOEC	>	100	mg/l
Species	Desmodesmus subspicatus		0
Method	OECD 201		
Source	ECHA		
2 butan-1-ol	71-36-3		200-751-6
NOEC		129	mg/l
Species	Raphidocelis subcapitata		
Method	OECD 201		
Source	ECHA		
Bacteria toxicity			
No Substance name	CAS no.		EC no.
1 butan-1-ol	71-36-3		200-751-6
EC50		4390	mg/l
Duration of exposure		17	h
Species	Pseudomonas putida		
Method	DIN 38412		
Source	ECHA		
2.2 Persistence and degradability			
Biodegradability			
No Substance name	CAS no.		EC no.
1 ethyl-acetate	141-78-6		205-500-4
Туре	COD		0.01
Value		1.69	g O2/g
Source	ECHA		
Evaluation	readily biodegradable		000 440 7
2 butane	106-97-8		203-448-7
Туре	aerobic biodegradation	50	0/
Value Duration		50 3.46	% d
Method	QSAR	3.40	ŭ
Source	ECHA		
3 Hydrocarbons, C9-C12, n-alkanes, isoalkanes aromatics (2-25%)			919-446-0
Value		74.7	%
Duration		28	day(s)
Method	OECD 301 F	20	ddy(5)
Source	ECHA		
Evaluation	readily biodegradable		
4 propane	74-98-6		200-827-9
Туре	aerobic biodegradation		
Value		50	%
Duration		3	d
Method	QSAR		
Source	ECHA		
Evaluation	readily biodegradable		
5 xylene	1330-20-7		215-535-7
Туре	aerobic biodegradation		
Value		87.8	%
Duration		28	day(s)
Method	OECD 301 F		
Source	ECHA		
	readily biodegradable		
Evaluation			200-751-6
6 butan-1-ol	71-36-3		
6 butan-1-ol Type	71-36-3 DOC decrease		
6 butan-1-ol Type Value		92	%
6 butan-1-ol Type Value Duration	DOC decrease	92 20	% day(s)
6 butan-1-ol Type Value Duration Method	DOC decrease		
6 butan-1-ol Type Value Duration	DOC decrease		

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# 12.3 Bioaccumulative potential Bioconcentration factor (BCF)



Region: GB

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No	Substance name	(	CAS no.	EC no.	
1	xylene	1	330-20-7	215-535-7	
BCF		7.4	- 18.5		
Spe	cies	Oncorhynchus m	iykiss		
Part	ition coefficient n-octanol/water (	log value)			
No	Substance name		CAS no.	EC no.	
1	ethyl-acetate	1	41-78-6	205-500-4	
log F	Pow		0.68		
Refe	erence temperature		25	°C	
Source		ECHA			
2	propane	7	74-98-6	200-827-9	
log F	Pow	appr.	1.8		
Meth	nod	QSAR			
Sou	rce	ECHA			

## 12.4 Mobility in soil

No data available.

#### 12.5 Results of PBT and vPvB assessment

Product Name	
a inc. A la a la anna 20,004 hitar ha a tiùn dùn	
einzA Lackspray 96-601 hitzebeständig	
PBT assessment The components of this produ	uct are not considered to be a PBT.
vPvB assessment The components of this produ	uct are not considered to be a vPvB.

#### 12.6 Endocrine disrupting properties

No data available.

#### 12.7 Other adverse effects No data available.

No data avaliable.

### 12.8 Other information

Other information

Do not allow to enter drains or water courses.

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

#### 13.1 Waste treatment methods

Product Waste code

waste paint and varnish containing organic solvents or other hazardous substances

The listed waste code numbers, according to the European Waste Catalogue, are to be understood as a recommendation. A final decision must be made in agreement with the regional waste disposal company.

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.

Hand over only completely emptied aerosol cans for valuable substance recovery!

08 01 11\*

# Packaging Waste code 15 01 04; 15 01 metallic packaging; metallic packaging containing a hazardous solid porous matrix (for example asbestos), including empty pressure containers

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. Empty containers must be scrapped or reconditioned.

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

14.1	UN number or ID number ADR/RID/ADN IMDG ICAO-TI / IATA	UN1950 UN1950 UN1950
14.2	UN proper shipping name ADR/RID/ADN IMDG ICAO-TI / IATA	AEROSOLS AEROSOLS Aerosols, flammable
14.3	Transport hazard class(es) ADR/RID/ADN - Class Label Classification code Tunnel restriction code	2 2.1 5F D

Product no.: 9660100

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	IMDG - Class Label	2 2.1	
	<b>ICAO-TI / IATA - Class</b> Label	2.1 2.1	
14.4	<b>Packing group</b> Not classified as dangerous in the m	eaning of transport regulations.	
14.5	Environmental hazards EmS	F-D, S-U	
14.6		: Always transport in closed containers that are upright and secure. Ensure that pers to do in the event of an accident or spillage.	ons
14.7	Maritime transport in bulk according to the second	ording to IMO instruments	
SEC	TION 15: Regulatory informat	ion	
15.1	Safety, health and environmen <u>EU regulations</u>	tal regulations/legislation specific for the substance or mixture	
		I) Annex XIV (List of substances subject to authorisation)	
		pecifications supplied by upstream suppliers, this product does not contain any subst prisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.	ances
R	EACH candidate list of substances o	f very high concern (SVHC) for authorisation	

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				
The	product contains following substance(s) that are co	onsidered being subject to REA	CH regulation (EC	) 1907/2006 annex XVII.
No	Substance name	CAS no.	EC no.	No
1	aluminium powder (stabilised)	7429-90-5	231-072	-3 75
2	butan-1-ol	71-36-3	200-751	-6 75
3	ethyl-acetate	141-78-6	205-500	-4 75
4	xylene	1330-20-7	215-535	-7 75
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:				
Directive 2010/75/EU on industrial emissions (integrated pollution prevention and control)				
VOC	content	75	%	
VOC	-value	750	g/l	

### National regulations

#### Other national regulations

Adhere to national regulations for proper handling and use of hazardous materials. Use appropriate personal protective equipment.

#### 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.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding section.

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.

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

	and Lorr philosos arawn up in socions 2 and 6 (provided not a
H220	Extremely flammable gas.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H228	Flammable solid.
H261	In contact with water releases flammable gases.
H280	Contains gas under pressure; may explode if heated.

R :	
	<b>N7/</b>
G	IIZA

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H302	Harmful if swa	llowed.		
H304	May be fatal if	swallowed and enters airways.		
H312	Harmful in cor	itact with skin.		
H315	Causes skin ir	ritation.		

11010	
H318	Causes serious eye damage.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H373	May cause damage to organs through prolonged or repeated exposure
H411	Toxic to aquatic life with long lasting effects.
Notes relating to f	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.
т	This substance may be marketed in a form which does not have the physical hazards as indicated by the classification in the entry in Part 3. If the results of the relevant method or methods in accordance with Part 2 of Annex I of this Regulation show that the specific form of substance marketed does not exhibit this physical property or these physical hazards, the substance shall be classified in accordance with the result or results of this test or these tests. Relevant information, including reference to the relevant test method(s) shall be included in the safety data sheet.
U	When put on the market gases have to be classified as 'Gases under pressure', in one of the groups compressed gas, liquefied gas, refrigerated liquefied gas or dissolved gas. The group depends on the physical state in which the gas is packaged and therefore has to be assigned case by case.

#### 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.

Alterations/supplements:

Alterations to the previous edition are marked in the left-hand margin.

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