Trade name: einzA Lackspray 96-407 Grundierung, platin Product no.: 0964071 Replaced version: 1.1.0, issued: 07.08.2020

1.1 **Product identifier**

Trade name

einzA Lackspray 96-407 Grundierung, platin

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

info@einzA.com

Advice on Safety Data Sheet sdb info@umco.de

e-mail

1.4 **Emergency telephone number**

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 Eye Irrit. 2; H319 STOT SE 3; H336

Classification information

This product is assessed and classified using the methods and criteria below referred to in Article 9 of Regulation (EC) nº 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



Signal word Danger

5	
Hazardous component(s) to n-butyl acetate	be indicated on label:
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.
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.
P102	Keep out of reach of children.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.



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

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2.3 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

	Substance name Additional information					
No	Substance name		Additional in	formation		
	CAS / EC / Index /	Classification (EC) 1272/2008 (CLP)	Concentratio	n	%	
	REACH no					
1	n-butyl acetate					
	123-86-4	EUH066	>= 25.0	0 - < 50.00	wt%	
	204-658-1	Flam. Liq. 3; H226				
	607-025-00-1	STOT SE 3; H336				
	01-2119485493-29					
2	butane					
	106-97-8	Flam. Gas 1A; H220	>= 25.0	0 - < 50.00	wt%	
	203-448-7	Press. Gas liq.; H280				
	601-004-00-0					
	01-2119474691-32					
3	acetone					
	67-64-1	Flam. Liq. 2; H225	>= 10.0	0 - < 25.00	wt%	
	200-662-2	Eye Irrit. 2; H319				
	606-001-00-8	STOT SE 3; H336				
	01-2119471330-49	EUH066				
4	propane					
	74-98-6	Flam. Gas 1A; H220	>= 10.0	0 - < 25.00	wt%	
	200-827-9	Press. Gas liq.; H280				
	601-003-00-5					
	01-2119486944-21					
5	ethyl-acetate					
	141-78-6	EUH066	>= 10.0	0 - < 25.00	wt%	
	205-500-4	Eye Irrit. 2; H319				
	607-022-00-5	Flam. Liq. 2; H225				
	01-2119475103-46	STOT SE 3; H336				
Full ⁻	Text for all H-phrases and	d EUH-phrases: pls. see section 16	•			

II H-phrases and EUH-phrases: pis. see section 16

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

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)".

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

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

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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.

52 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

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.

Methods and material for containment and cleaning up 6.3

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, wellventilated place. Protect from heat and direct sunlight. Keep away from sources of ignition. No smoking.

Requirements for storage rooms and vessels



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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	n-butyl acetate	123-86-4		204-658-1			
	List of approved workplace exposure limits (WELs) / EH40						
	Butyl acetate						
	WEL short-term (15 min reference period)	966	mg/m³	200	ppm		
	WEL long-term (8-hr TWA reference period)	724	mg/m³	150	ppm		
	EU 2019/1831						
	n-Butyl acetate						
	WEL short-term (15 min reference period)	723	mg/m³	150	ppm		
	WEL long-term (8-hr TWA reference period)	241	mg/m³	50	ppm		
2	butane	106-97-8		203-448-7			
	List of approved workplace exposure limits (WELs) / EH	40					
	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 1,3-diene)	applies if Butane	e contains more	than 0.1% of buta-		
3	acetone	67-64-1		200-662-2			
	2000/39/EC						
	Acetone						
	WEL long-term (8-hr TWA reference period)	1210	mg/m ³	500	ppm		
			mg/m³	500	ppm		
	WEL long-term (8-hr TWA reference period) List of approved workplace exposure limits (WELs) / EH Acetone			500	ppm		
	WEL long-term (8-hr TWA reference period) List of approved workplace exposure limits (WELs) / EH Acetone WEL short-term (15 min reference period)	40 3620	mg/m ³	1500	ppm ppm		
	WEL long-term (8-hr TWA reference period) List of approved workplace exposure limits (WELs) / EH Acetone WEL short-term (15 min reference period) WEL long-term (8-hr TWA reference period)	40 3620 1210		1500 500			
4	WEL long-term (8-hr TWA reference period) List of approved workplace exposure limits (WELs) / EH Acetone WEL short-term (15 min reference period) WEL long-term (8-hr TWA reference period) ethyl-acetate	40 3620	mg/m ³	1500	ppm		
4	WEL long-term (8-hr TWA reference period) List of approved workplace exposure limits (WELs) / EH Acetone WEL short-term (15 min reference period) WEL long-term (8-hr TWA reference period)	40 3620 1210	mg/m ³	1500 500	ppm		
4	WEL long-term (8-hr TWA reference period) List of approved workplace exposure limits (WELs) / EH Acetone WEL short-term (15 min reference period) WEL long-term (8-hr TWA reference period) ethyl-acetate 2017/164/EU Ethyl acetate	40 3620 1210 141-78-6	mg/m ³ mg/m ³	1500 500 205-500-4	ppm		
4	WEL long-term (8-hr TWA reference period) List of approved workplace exposure limits (WELs) / EH Acetone WEL short-term (15 min reference period) WEL long-term (8-hr TWA reference period) ethyl-acetate 2017/164/EU Ethyl acetate WEL short-term (15 min reference period)	40 3620 1210 141-78-6 1468	mg/m ³ mg/m ³ mg/m ³	1500 500	ppm		
4	WEL long-term (8-hr TWA reference period) List of approved workplace exposure limits (WELs) / EH Acetone WEL short-term (15 min reference period) WEL long-term (8-hr TWA reference period) ethyl-acetate 2017/164/EU Ethyl acetate WEL short-term (15 min reference period) WEL short-term (15 min reference period) WEL short-term (15 min reference period) WEL long-term (8-hr TWA reference period)	40 3620 1210 141-78-6 1468 734	mg/m ³ mg/m ³	1500 500 205-500-4	ppm ppm		
4	WEL long-term (8-hr TWA reference period) List of approved workplace exposure limits (WELs) / EH Acetone WEL short-term (15 min reference period) WEL long-term (8-hr TWA reference period) ethyl-acetate 2017/164/EU Ethyl acetate WEL short-term (15 min reference period) WEL short-term (15 min reference period) List of approved workplace exposure limits (WELs) / EH	40 3620 1210 141-78-6 1468 734	mg/m ³ mg/m ³ mg/m ³	1500 500 205-500-4 400	ppm ppm ppm		
4	WEL long-term (8-hr TWA reference period) List of approved workplace exposure limits (WELs) / EH Acetone WEL short-term (15 min reference period) WEL long-term (8-hr TWA reference period) ethyl-acetate 2017/164/EU Ethyl acetate WEL short-term (15 min reference period) WEL short-term (15 min reference period) List of approved workplace exposure limits (WELs) / EH Ethyl acetate	40 3620 1210 141-78-6 1468 734	mg/m ³ mg/m ³ mg/m ³	1500 500 205-500-4 400 200	ppm ppm ppm		
4	WEL long-term (8-hr TWA reference period) List of approved workplace exposure limits (WELs) / EH Acetone WEL short-term (15 min reference period) WEL long-term (8-hr TWA reference period) ethyl-acetate 2017/164/EU Ethyl acetate WEL short-term (15 min reference period) WEL short-term (15 min reference period) List of approved workplace exposure limits (WELs) / EH	40 3620 1210 141-78-6 1468 734	mg/m ³ mg/m ³ mg/m ³	1500 500 205-500-4 400	ppm ppm ppm		

DNEL, DMEL and PNEC values

DNEL values (worker)

No	Substance name			CAS / EC	no
	Route of exposure	Exposure time	Effect	Value	
1	n-butyl acetate			123-86-4 204-658-1	
	dermal	Long term (chronic)	systemic	11	mg/kg/day
	dermal	Short term (acut)	systemic	11	mg/kg/day
	inhalative	Long term (chronic)	systemic	300	mg/m³
	inhalative	Short term (acut)	systemic	600	mg/m³
	inhalative	Long term (chronic)	local	300	mg/m³
	inhalative	Short term (acut)	local	600	mg/m³
2	acetone			67-64-1 200-662-2	
	dermal	Long term (chronic)	systemic	186	mg/kg/day
	inhalative	Short term (acut)	local	2420	mg/m³
	inhalative	Short term (acut)	systemic	1210	mg/m³
3	ethyl-acetate			141-78-6 205-500-4	
	dermal	Long term (chronic)	systemic	63	mg/kg/day

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	inhalative	Short term (acut)	systemic	1468	mg/m³
	inhalative	Long term (chronic)	local	734	mg/m ³
	inhalative	Short term (acut)	local	1468	mg/m ³
	inhalative	Long term (chronic)	systemic	734	mg/m ³
	DNEL value (consumer)				
No	Substance name			CAS / EC r	10
	Route of exposure	Exposure time	Effect	Value	
1	n-butyl acetate		1211000	123-86-4 204-658-1	
	oral	Long term (chronic)	systemic	2	mg/kg/day
	oral	Short term (acut)	systemic	2	mg/kg/day
	dermal	Long term (chronic)	systemic	6	mg/kg/day
	dermal	Short term (acut)	systemic	6	mg/kg/day
	inhalative	Long term (chronic)	systemic	35.7	mg/m ³
	inhalative	Short term (acut)	systemic	300	mg/m ³
	inhalative	Long term (chronic)	local	35.7	mg/m ³
	inhalative	Short term (acut)	local	300	mg/m ³
2	acetone			67-64-1 200-662-2	<u> </u>
	oral	Long term (chronic)	systemic	62	mg/kg/day
	dermal	Long term (chronic)	systemic	62	mg/kg/day
	inhalative	Long term (chronic)	systemic	200	mg/m³
3	ethyl-acetate			141-78-6 205-500-4	
	oral	Long term (chronic)	systemic	4.5	mg/kg/day
	dermal	Long term (chronic)	systemic	37	mg/kg/day
	inhalative	Short term (acut)	systemic	734	mg/m³
	inhalative	Long term (chronic)	local	367	mg/m³
	inhalative	Short term (acut)	local	734	mg/m³
	inhalative	Long term (chronic)	systemic	367	mg/m³
	PNEC values				
No	Substance name			CAS / EC r	10
	ecological compartment	Туре		Value	
1	n-butyl acetate			123-86-4 204-658-1	
	water	fresh v		0.18	mg/L
	water	marine	water	0.018	mg/L
	water		ntermittent	0.36	mg/L
	water		vater sediment	0.981	mg/kg dry weight
	water	moring	water sediment	0.0081	ma/ka dry weight

	indite:		00	
	water	marine water	0.018	mg/L
	water	Aqua intermittent	0.36	mg/L
	water	fresh water sediment	0.981	mg/kg dry weight
	water	marine water sediment	0.0981	mg/kg dry weight
	soil	-	0.0903	mg/kg
	sewage treatment plant	-	35.6	mg/L
2	acetone		67-64-1 200-662-2	
	water	fresh water	10.6	mg/L
	water	Aqua intermittent	21	mg/L
	water	marine water	1.06	mg/L
	water	fresh water sediment	30.4	mg/kg
	water	marine water sediment	3.04	mg/kg
	soil	-	29.5	mg/kg
	sewage treatment plant	-	100	mg/L
3	ethyl-acetate		141-78-6 205-500-4	
	water	fresh water	0.24	mg/L
	water	marine water	0.024	mg/L
	water	Aqua intermittent	1.65	mg/L
	water	fresh water sediment	1.15	mg/kg dry weight
	water	marine water sediment	0.115	mg/kg dry weight
	soil	-	0.148	mg/kg dry weight
	sewage treatment plant	-	650	mg/L
	secondary poisoning	-	200	mg/kg

8.2 **Exposure controls**

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.

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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.

- 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/Colour			
Aerosol			
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	٦°
Flammability			
No data available			
Lower explosion limit			
Value		1.5	% vol
Upper explosion limit			
Value		13	% vol
Vapour pressure			
Value	3 -	4	bar
Reference temperature		20	°C
Value		10.4	bar °C
Reference temperature		50	0
Relative vapour density			
Relative density			
No data available			
Density		0.05	a/ml
Value Reference temperature		0.95 20	g/ml °C
Reference substance	varnish	20	0

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Solu	Solubility in water					
	ments	essentially ins	oluble			
L		, ,				
	Solubility					
NO da	No data available					
Parti	Partition coefficient n-octanol/water (log value)					
No	Substance name		CAS no.		EC no.	
1	n-butyl acetate	-	123-86-4		204-658-1	
log P	OW			2.3		
	rence temperature			25	°C	
Meth		OECD 117				
Sour		ECHA				
2	acetone	1	67-64-1		200-662-2	
log P				-0.23		
Meth		QSAR				
Sour		ECHA				
3	propane	T	74-98-6		200-827-9	
log P		appr.		1.8		
Meth		QSAR				
Sour		ECHA				
4	ethyl-acetate		141-78-6		205-500-4	
log P				6.8		
	rence temperature	50114		25	°C	
Sour	Ce	ECHA				
Visco	osity					
	ata available					
Parti	cle characteristics					
No da	ata available					

9.2 Other information

Other information

No data available.

SECTION 10: Stability and reactivity

10.1 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				
No	Substance name		CAS no.		EC no.
1	n-butyl acetate		123-86-4		204-658-1
LD50)			10760	mg/kg bodyweight
Spec	ies	rat			
Meth	od	OECD 423			
Sour	ce	ECHA			
2	acetone		67-64-1		200-662-2
LD50)			5800	mg/kg bodyweight
Spec	ies	rat			
Sourc	ce	ECHA			
Evalu	ation/classification	Based on availa	able data, the clas	sification criteri	a are not met.
3	ethyl-acetate		141-78-6		205-500-4
LD50		>		5600	mg/kg bodyweight

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Species rat **FCHA** Source Acute dermal toxicity No Substance name CAS no. EC no. 123-86-4 204-658-1 1 n-butyl acetate LD50 14112 mg/kg bodyweight > rabbit Species Method **OECD 402** ECHA Source 2 acetone 67-64-1 200-662-2 15800 LD50 > mg/kg bodyweight rabbit Species Source ECHA Evaluation/classification Based on available data, the classification criteria are not met. 3 ethyl-acetate 205-500-4 141-78-6 LD50 > 20000 mg/kg bodyweight Species rabbit ECHA Source Acute inhalational toxicity CAS no. No Substance name EC no. 200-662-2 acetone 67-64-1 1 LC50 76 mg/l Duration of exposure 4 h State of aggregation Vapour Species rat Source **ECHA** Evaluation/classification Based on available data, the classification criteria are not met. 2 74-98-6 200-827-9 propane LC50 > 800000 ppmV Duration of exposure 0.25 State of aggregation Gas Species rat Source ECHA Evaluation/classification Based on available data, the classification criteria are not met. Skin corrosion/irritation No Substance name CAS no. EC no. 1 n-butyl acetate 204-658-1 123-86-4 Species rabbit Method **OECD 404** ECHA Source Evaluation non-irritant 2 acetone 67-64-1 200-662-2 Species guinea pig Source **FCHA** Evaluation non-irritant Evaluation/classification Based on available data, the classification criteria are not met. 141-78-6 205-500-4 3 ethyl-acetate Species rabbit Method **OECD 404** ECHA Source **Evaluation** low-irritant Evaluation/classification Based on available data, the classification criteria are not met. Serious eye damage/irritation No Substance name CAS no. EC no. n-butyl acetate 123-86-4 204-658-1 1 Species rabbit **OECD 405** Method Source **ECHA** Evaluation non-irritant 2 acetone 67-64-1 200-662-2 Species rabbit Method **OECD 405** Source ECHA Evaluation irritant Evaluation/classification Based on available data, the classification criteria are met. 3 ethyl-acetate 141-78-6 205-500-4 Species rabbit Method **OECD 405**



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Sou		ECHA	
Eva	luation	low-irritant	
Res	piratory or skin sensitisation		
	Substance name	CAS no.	EC no.
1 Pou	acetone	67-64-1	200-662-2
-	te of exposure cies	guinea pig	
Sou		ECHA	
	luation	non-sensitizing	
	luation/classification	Based on available data, the classifica	
2	ethyl-acetate	141-78-6	205-500-4
	te of exposure cies	guinea pig	
Metl		OECD 406	
Sou		ECHA	
Eva	luation	non-sensitizing	
Ger	m cell mutagenicity		
No	Substance name	CAS no.	EC no.
1	n-butyl acetate	123-86-4	204-658-1
Sou Eval	rce luation/classification	ECHA Based on available data, the classifica	tion criteria are not met
≟va 2	butane	106-97-8	203-448-7
_	e of examination	In vitro Mammalian Chromosomal Abe	
Spe	cies	Human Lymphocyte	
Metl		OECD 473	
Sou Eval	rce luation/classification	ECHA Based on available data, the classifica	tion criteria are not met
	e of examination	in vitro gene mutation study in bacteria	
	cies	Salmonella typhimurium	•
Metl	hod	OECD 471	
Sou		ECHA	
Eval 3	luation/classification acetone	Based on available data, the classifica 67-64-1	tion criteria are not met. 200-662-2
-	e of examination	in vitro gene mutation study in bacteria	
	cies	Salmonella typhimurium	•
Metl		OECD 471	
Sou		ECHA	4:
	luation/classification e of examination	Based on available data, the classifica In vitro Mammalian Chromosomal Abe	
	cies	Chinese hamster Ovary (CHO)	
Metl	hod	OECD 473	
Sou		ECHA	
	luation/classification	Based on available data, the classifica	
• •	e of examination cies	in vitro gene mutation study in mamma Mouse lymphoma cells	
Metl		OECD 476	
Sou	rce	ECHA	
Eva	luation/classification	Based on available data, the classifica	tion criteria are not met.
Rep	roduction toxicity		
No	Substance name	CAS no.	EC no.
1 Sou	n-butyl acetate	123-86-4	204-658-1
Sou Eval	rce luation/classification	ECHA Based on available data, the classifica	tion criteria are not met
2	butane	106-97-8	203-448-7
Rou	te of exposure	inhalational	
Spe	cies	rat	
Metl		OECD 422	
Sou Eval	rce luation/classification	ECHA Based on available data, the classifica	tion criteria are not met
<u>3</u>	acetone	67-64-1	200-662-2
-	te of exposure	inhalational	
	AEC	220	- FF
	e of examination	Prenatal Developmental Toxicity Study	
Spe Metl	cies	rat OECD 414	
ivieti Sou		ECHA	
	luation/classification	Based on available data, the classifica	tion criteria are not met.
4	propane	74-98-6	200-827-9
•			

Product no.: 0964071

Current version : 2.0.0, issued: 15.06.2021

Replaced version: 1.1.0, issued: 07.08.2020

Region: GB

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NOAEC	1	2000 ppm
Type of examination		Study with the Reproduction/Developmenta
Type of oxamination	Toxicity Screening Test	
Species	rat	
Method	OECD 422	
Source	ECHA	
Evaluation/classification	Based on available data, the classifi	eation critoria are not mot
		cation criteria are not met.
Carcinogenicity No Substance name	CAS no.	EC no.
	CAS 110. 67-64-1	
1 acetone		200-662-2
Route of exposure	dermal	
Type of examination	Toxicity study	
Species	mouse	
Source	ECHA	
Evaluation/classification	Based on available data, the classifi	cation criteria are not met.
STOT - single exposure		
No data available		
STOT - repeated exposure		
No Substance name	CAS no.	EC no.
1 n-butyl acetate	123-86-4	204-658-1
Route of exposure	inhalational	
NOAEC		00 ppm
Duration of exposure	9	0 day(s)
Species	rat	
Method	EPA OTS 798.2450	
Source	ECHA	
Evaluation/classification	Based on available data, the classifi	cation criteria are not met.
2 butane	106-97-8	203-448-7
Route of exposure	inhalational	
Species	rat	
Method	OECD 422	
Source	ECHA	
Evaluation/classification	Based on available data, the classifi	cation criteria are not met.
3 acetone	67-64-1	200-662-2
Route of exposure	oral	
NOAEL	1	0000 ppm
Species	rat	PP
Method	OECD 408	
Source	ECHA	
Evaluation/classification	Based on available data, the classifi	cation criteria are not met
Route of exposure	inhalational	
NOAEC		0000
		9000 ppm
Species Source	rat	
2011/24	ECHA	
		cauon criteria are not met
Evaluation/classification	Based on available data, the classifi	
Evaluation/classification 4 propane	74-98-6	200-827-9
Evaluation/classification 4 propane Route of exposure	74-98-6 inhalational	200-827-9
Evaluation/classification 4 propane Route of exposure LOAEC	74-98-6 inhalational	
Evaluation/classification 4 propane Route of exposure LOAEC Species	74-98-6 inhalational 1 rat	200-827-9
Evaluation/classification 4 propane Route of exposure LOAEC	74-98-6 inhalational	200-827-9
Evaluation/classification 4 propane Route of exposure LOAEC Species	74-98-6 inhalational 1 rat	200-827-9
Evaluation/classification 4 propane Route of exposure LOAEC Species Method	74-98-6 inhalational 1 rat OECD 422	200-827-9 2000 ppm
Evaluation/classification 4 propane Route of exposure LOAEC Species Method Source	74-98-6 inhalational 1 rat OECD 422 ECHA	200-827-9 2000 ppm
Evaluation/classification 4 propane Route of exposure LOAEC Species Method Source Evaluation/classification	74-98-6 inhalational 1 rat OECD 422 ECHA	200-827-9 2000 ppm

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Inhalation may cause irritations of the respiratory tract, allergic reactions, cough, breathing difficulties, headache, nausea and vomiting.

11.2 Information on other hazards

Endocrine disrupting properties No data available. Other information No data available.

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish (acute)

Product no.: 0964071

Current version : 2.0.0, issued: 15.06.2021

Replaced version: 1.1.0, issued: 07.08.2020

Region: GB

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	Substance name	CAS no.		EC no.
	n-butyl acetate	123-86-4	10	204-658-1
LC50 Durati	on of exposure		18 96	mg/l h
Specie		Pimephales promelas	90	11
Metho		OECD 203		
Source		ECHA		
	ation/classification	Based on available data, the cla	assification or	iteria are not met
	acetone	67-64-1		200-662-2
LC50			5540	mg/l
	on of exposure		96	h
Specie		Oncorhynchus mykiss		
Source		ECHA		
	ation/classification	Based on available data, the cla	assification cr	
	ethyl-acetate	141-78-6		205-500-4
LC50			230	mg/l
	on of exposure		96	h
Specie		Pimephales promelas		
Source	е	ECHA		
Toxici	ity to fish (chronic)			
	ta available			
Toxici	ity to Daphnia (acuto)			
	ity to Daphnia (acute)	CAS no.		EC no.
	Substance name	CAS no. 123-86-4		204-658-1
1 I EC50	n-butyl acetate	123-80-4	44	
	on of exposure		44 48	mg/l h
Specie		Daphnia magna	40	11
Source		ECHA		
	e ation/classification	Based on available data, the cla	assification or	iteria are not met
	acetone	67-64-1		200-662-2
EC50			8800	mg/l
	on of exposure		48	h
Specie		Daphnia pulex		••
Source		ECHA		
	ation/classification	Based on available data, the cla	assification cr	iteria are not met.
3	ethyl-acetate	141-78-6		205-500-4
EC50			1350	mg/l
Duratio	on of exposure		48	h
		Daphnia magna		
		Daphnia magna ECHA		
Source	e			
Source Foxici	e ity to Daphnia (chronic)	ECHA		EC no.
Source Foxici No	e ity to Daphnia (chronic) Substance name	ECHA CAS no.		EC no. 204-658-1
Source Foxici No	e ity to Daphnia (chronic) Substance name n-butyl acetate	ECHA	23	204-658-1
Source Toxici No : I NOEC	e ity to Daphnia (chronic) Substance name n-butyl acetate	ECHA CAS no.	23 21	204-658-1 mg/l
Source Toxici No 3 1 NOEC Duratie	e ity to Daphnia (chronic) Substance name n-butyl acetate Con of exposure	ECHA CAS no.		204-658-1
Source Toxici No 1 NOEC Duration Specie	e ity to Daphnia (chronic) Substance name n-butyl acetate Con of exposure	ECHA CAS no. 123-86-4		204-658-1 mg/l
Foxici No	e ity to Daphnia (chronic) Substance name n-butyl acetate c on of exposure es eference to	CAS no. 123-86-4 Daphnia magna CAS 110-19-0 OECD 211		204-658-1 mg/l
Source Toxici No 1 NOEC Duration Species with re- Metho	e ity to Daphnia (chronic) Substance name n-butyl acetate c on of exposure es eference to id	ECHA CAS no. 123-86-4 Daphnia magna CAS 110-19-0		204-658-1 mg/l
Source Foxici No 1 NOEC Duration Species with resource Metho Source	e ity to Daphnia (chronic) Substance name n-butyl acetate c on of exposure es eference to id	CAS no. 123-86-4 Daphnia magna CAS 110-19-0 OECD 211	21	204-658-1 mg/l day(s)
Source Toxici No 1 NOEC Duratio Specie with re Metho Source Evalua	e ity to Daphnia (chronic) Substance name n-butyl acetate c on of exposure es eference to d e ation/classification	CAS no. 123-86-4 Daphnia magna CAS 110-19-0 OECD 211 ECHA	21	204-658-1 mg/l day(s)
Source Toxici No 1 NOEC Duration Species with re Wetho Source Evaluat Toxici	e ity to Daphnia (chronic) Substance name n-butyl acetate on of exposure es eference to d e ation/classification ity to algae (acute)	CAS no. 123-86-4 Daphnia magna CAS 110-19-0 OECD 211 ECHA	21	204-658-1 mg/l day(s)
Source Toxici No 1 NOEC Duration Species with re- Methoric Source Evalua Toxici No data	e ity to Daphnia (chronic) Substance name n-butyl acetate c on of exposure es eference to id e ation/classification ity to algae (acute) ta available	CAS no. 123-86-4 Daphnia magna CAS 110-19-0 OECD 211 ECHA	21	204-658-1 mg/l day(s)
Source Toxici No 1 NOEC Duratio Specie with re Wetho Source Evalua Toxici No dat	e tity to Daphnia (chronic) Substance name n-butyl acetate on of exposure es ference to d e ation/classification ta available ta available tity to algae (chronic)	CAS no. 123-86-4 Daphnia magna CAS 110-19-0 OECD 211 ECHA	21	204-658-1 mg/l day(s)
Source Toxici No 1 NOEC Duratio Specie with re Wetho Source Evalua Toxici No dat	e ity to Daphnia (chronic) Substance name n-butyl acetate c on of exposure es eference to id e ation/classification ity to algae (acute) ta available	CAS no. 123-86-4 Daphnia magna CAS 110-19-0 OECD 211 ECHA	21	204-658-1 mg/l day(s)
Source Toxici No 1 NOEC Duratio Specie with re Wetho Source Evalua Toxici No dat Toxici	e tity to Daphnia (chronic) Substance name n-butyl acetate on of exposure es ference to d e ation/classification ta available ta available tity to algae (chronic)	CAS no. 123-86-4 Daphnia magna CAS 110-19-0 OECD 211 ECHA	21	204-658-1 mg/l day(s)
Source Toxici No 1 NOEC Duratio Specie with re Metho Source Evalua Toxici No dat Toxici No dat Bacte	e ity to Daphnia (chronic) Substance name n-butyl acetate con of exposure es eference to id e ation/classification ity to algae (acute) ta available ity to algae (chronic) ta available	CAS no. 123-86-4 Daphnia magna CAS 110-19-0 OECD 211 ECHA	21	204-658-1 mg/l day(s)
Source Toxici No Duratic Specie with re Metho Source Evalua Toxici No dat Bacte No	e ity to Daphnia (chronic) Substance name n-butyl acetate on of exposure es eference to id e ation/classification ity to algae (acute) ta available ity to algae (chronic) ta available ria toxicity	CAS no. 123-86-4 Daphnia magna CAS 110-19-0 OECD 211 ECHA Based on available data, the cla	21	204-658-1 mg/l day(s) iteria are not met.
No 1 1 I NOEC Durating Specie with regression Methor Source Evaluation Toxici No data Toxici No data Bacte No	e ity to Daphnia (chronic) Substance name n-butyl acetate con of exposure es eference to id e ation/classification ity to algae (acute) ta available ity to algae (chronic) ta available ria toxicity Substance name	CAS no. 123-86-4 Daphnia magna CAS 110-19-0 OECD 211 ECHA Based on available data, the cla	21	204-658-1 mg/l day(s) iteria are not met. EC no. 204-658-1
Source Toxici No 1 NOEC Duratio Specie with re Metho Source Evalue Toxici No dat Toxici No dat Toxici No dat	e ity to Daphnia (chronic) Substance name n-butyl acetate con of exposure es eference to id e ation/classification ity to algae (acute) ta available ity to algae (chronic) ta available ria toxicity Substance name	CAS no. 123-86-4 Daphnia magna CAS 110-19-0 OECD 211 ECHA Based on available data, the cla	21	204-658-1 mg/l day(s) iteria are not met. EC no.
Source Toxici Toxici NO 1 NOEC Duration Species Species with retro Source Evaluation Toxici Toxici Bacte No 1 C50	e ity to Daphnia (chronic) Substance name n-butyl acetate c on of exposure es sference to d e ation/classification ity to algae (acute) ta available ity to algae (chronic) ta available ria toxicity Substance name n-butyl acetate on of exposure	CAS no. 123-86-4 Daphnia magna CAS 110-19-0 OECD 211 ECHA Based on available data, the cla	21 assification cr	204-658-1 mg/l day(s) iteria are not met. EC no. 204-658-1 mg/l
Source Toxici Toxici NOEC NOEC Duratin Species With retro Source Evalue Toxici Toxici Bacte No 1 1 C50 Duratin	e ty to Daphnia (chronic) Substance name n-butyl acetate con of exposure es seference to d e ation/classification ty to algae (acute) ta available ta available ria toxicity Substance name n-butyl acetate on of exposure es	CAS no. 123-86-4 Daphnia magna CAS 110-19-0 OECD 211 ECHA Based on available data, the cla	21 assification cr	204-658-1 mg/l day(s) iteria are not met. EC no. 204-658-1 mg/l

Biod	Biodegradability		
No	Substance name	CAS no.	EC no.
1	n-butyl acetate	123-86-4	204-658-1
Туре		aerobic biodegradation	

Product no.: 0964071

Current version : 2.0.0, issued: 15.06.2021

Value83%Duration28day(s)MethodOECD 301 D28SourceECHAreadily biodegradable2butane106-97-8203-448-7Typeaerobic biodegradable \sim Value0SAR3.46dDuration0SAR200-662-2SourceECHA200-662-2Typeaerobic biodegradable90.9Value90.9%Duration0ECD 301 B28SourceECHA4ay(s)Value90.9%Duration28day(s)MethodOECD 301 B28SourceECHA200-662-2Typeaerobic biodegradable4Image: SourceECHA200-662-2Value0ECD 301 B28SourceECHA200-662-2Typeaerobic biodegradable50Value0ECD 301 B28SourceECHA106-627-9Typeaerobic biodegradable50Value0SAR3SourceECHA200-662-19SourceECHA205-500-4SourceECHA205-500-4SourceECHA204-658-1TypePhotolysisHalf-life3.3day(s)TypePhotolysisHalf-life3.3day(s)Reference temperatureECHA						
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Evaluation readily biodegradable 2 butane 106-97-8 203-448-7 Yppe aerobic biodegradation 3.46 d Value 50 % Duration 3.46 d Source ECHA 200-662-2 Type areobic biodegradation 90.9 % Value 90.9 % 200-662-2 Duration OECD 301 B 200-662-2 200-662-2 Source ECHA 200-662-2 200-662-2 Value 90.9 % 200-662-2 200-662-2 Value 90.9 % 200-662-2 200-662-2 Value 90.9 % 200-662-2 200-662-2 Value 00-9.9 % 200-60-2 200-62-2 <	Meth	od				
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Method QSAR Source ECHA Evaluation readily biodegradable 5 ethyl-acetate 141-78-6 Source ECHA Source ECHA Evaluation readily biodegradable Source ECHA Evaluation readily biodegradable Abiotic Degration CAS no. EC no. 1 n-butyl acetate 123-86-4 204-658-1 Type Photolysis 13.3 day(s) Half-life 3.3 day(s) Reference temperature 25 °C	Туре					
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Abiotic Degration CAS no. EC no. No Substance name CAS no. EC no. 1 n-butyl acetate 123-86-4 204-658-1 Type Photolysis Half-life 3.3 day(s) Reference temperature 25 °C	Type Value Dura Meth Sour Evalu	e tion iod ce uation ethyl-acetate	aerobic biodegradation QSAR ECHA readily biodegradable 141-78-6		% d	
NoSubstance nameCAS no.EC no.1n-butyl acetate123-86-4204-658-1TypePhotolysisHalf-life3.3day(s)Reference temperature25°C	Type Value Dura Meth Sour Evalu 5 Sour	e tion lod ce uation ethyl-acetate ce	aerobic biodegradation QSAR ECHA readily biodegradable 141-78-6 ECHA		% d	
1 n-butyl acetate 123-86-4 204-658-1 Type Photolysis Half-life 3.3 day(s) Reference temperature 25 °C	Type Value Dura Meth Sour Evalu 5 Sour	e tion lod ce uation ethyl-acetate ce	aerobic biodegradation QSAR ECHA readily biodegradable 141-78-6 ECHA		% d	
TypePhotolysisHalf-life3.3day(s)Reference temperature25°C	Type Value Dura Meth Sour Evalu 5 Sour Evalu	e tion lod ce uation ethyl-acetate ce uation	aerobic biodegradation QSAR ECHA readily biodegradable 141-78-6 ECHA		% d	
Half-life3.3day(s)Reference temperature25°C	Type Value Dura Meth Sour Evalu Sour Evalu Abio	e tion lod ce uation ethyl-acetate ce uation tic Degration	aerobic biodegradation QSAR ECHA readily biodegradable 141-78-6 ECHA readily biodegradable		% d 205-500-4	
Half-life3.3day(s)Reference temperature25°C	Type Value Dura Meth Sour Evalu 5 Sour Evalu Abio No 1	e tion tion tiod ce uation ethyl-acetate ce uation tic Degration Substance name n-butyl acetate	aerobic biodegradation QSAR ECHA readily biodegradable 141-78-6 ECHA readily biodegradable CAS no.		% d 205-500-4 EC no.	
Reference temperature 25 °C	Type Value Dura Meth Sour Evalu 5 Sour Evalu Abio No 1 Type	e tion tion tod ce uation ethyl-acetate ce uation tic Degration Substance name n-butyl acetate	aerobic biodegradation QSAR ECHA readily biodegradable 141-78-6 ECHA readily biodegradable CAS no. 123-86-4		% d 205-500-4 EC no.	
	Type Value Dura Meth Sour Evalu Sour Evalu Abio No 1 Type	e tion tion tod ce uation ethyl-acetate ce uation tic Degration Substance name n-butyl acetate	aerobic biodegradation QSAR ECHA readily biodegradable 141-78-6 ECHA readily biodegradable CAS no. 123-86-4	3	% d 205-500-4 EC no. 204-658-1	
	Type Value Dura Meth Sour Evalu Sour Evalu Abio No 1 Type Half-	e tion tion tiod ce uation ticDegration Substance name n-butyl acetate	aerobic biodegradation QSAR ECHA readily biodegradable 141-78-6 ECHA readily biodegradable CAS no. 123-86-4	3	% d 205-500-4 EC no. 204-658-1 day(s)	

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12.3 Bioaccumulative potential

Bioc	oncentration factor (BCF)					
No	Substance name		CAS no.		EC no.	
1	n-butyl acetate		123-86-4		204-658-1	
BCF				15.3		
Meth	nod	Calculation r	nodel used (Q)SA	R		
Sour	ce	ECHA				
Part	ition coefficient n-octanol/water (log	value)				
No	Substance name		CAS no.		EC no.	
1	n-butyl acetate		123-86-4		204-658-1	
log F	Pow			2.3		
Refe	rence temperature			25	C°	
Meth	nod	OECD 117				
Sour	ce	ECHA				
2	acetone		67-64-1		200-662-2	
log F	Pow			-0.23		
Meth	nod	QSAR				
Sour	ce	ECHA				
3	propane		74-98-6		200-827-9	
log F	Pow	appr.		1.8		
Meth	nod	QSAR				
Sour	ce	ECHA				
4	ethyl-acetate		141-78-6		205-500-4	
log F				6.8		
Refe	rence temperature			25	C°	
Sour	ce	ECHA				

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

Results of PBT and vPvB assessment PBT assessment

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





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vP	PvB assessment	The components of this product are not considered to be a vPvB.	
12.6	Endocrine disrupting propertien No data available.	es	
12.7	Other adverse effects No data available.		
Ot	Other information ther information to not allow to enter drains or water course	ses.	
SEC ⁻ 13.1	TION 13: Disposal considerat Waste treatment methods	tions	
	The listed waste code numbers, accordecision must be made in agreement Disposal of the product should be car local authority and the disposal comp Hand over only completely emptied a Packaging Waste code 15 0	 1 11* waste paint and varnish containing organic solvents or other hazard ording to the European Waste Catalogue, are to be understood as a recommendation with the regional waste disposal company. rried out in accordance with all applicable regulations following consultation with the rany in an authorised and suitable disposal facility. erosol cans for valuable substance recovery! 1 04; 15 01 metallic packaging; metallic packaging containing a hazardous solid 	n. A final responsible
		(for example asbestos), including empty pressure containers kaging and when emptied completely disposed of in accordance with the regulations ging must be disposed of in the form of disposal specified by the regional disposer. I	
	removal. Incompletely emptied packa containers must be scrapped or reco		Empty
SEC ⁻		nditioned.	Empty
SEC ⁻ 14.1	containers must be scrapped or reco	nditioned.	Еттріу
	containers must be scrapped or recon TION 14: Transport information Transport ADR/RID/ADN Class Classification code UN number Proper shipping name Tunnel restriction code	nditioned.	Еттру

14.4 Other information

No data available.

14.5 Environmental hazards

Information on environmental hazards, if relevant, please see 14.1 - 14.3.

14.6 Special precautions for user

Transport within the user's premises: Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

14.7 Maritime transport in bulk according to IMO instruments Not relevant

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture EU regulations

Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation) According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances

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considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

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

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

Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, MIXTURES AND ARTICLES

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances subject to restriction as listed in Annex XVII of the REACH regulation (EC) 1907/2006

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances This product is not subject to Part 1 or 2 of Annex I Directive 2010/75/EU on industrial emissions (integrated pollution prevention and control) VOC content 62 5 % VOC-value 665 a/l

National regulations

Other national regulations

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

Chemical safety assessment 15.2

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)

H220	Extremel	y flammable gas.

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.

Flammable liquid and vapour.

Contains gas under pressure; may explode if heated.

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

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.

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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H280

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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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