

**Trade name:** einza WDVS Klebeschaum**Product no.:** 0024900**Current version :** 4.1.0, issued: 25.04.2025**Replaced version:** 4.0.0, issued: 26.11.2024**Region:** GB**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier****Trade name****einza WDVS Klebeschaum****1.2 Relevant identified uses of the substance or mixture and uses advised against****Relevant identified uses of the substance or mixture**

Adhesives, sealants

**Uses advised against**

No data available.

**1.3 Details of the supplier of the safety data sheet****Address**

einza Farben GmbH &amp; Co KG

Junkersstraße 13

30179 Hannover

Telephone no. +49 (0)511 67490-0

Fax no. +49 (0)511 67490-20

e-mail info@einza.com

**Advice on Safety Data Sheet**

sdb\_info@umco.de

**1.4 Emergency telephone number**

For medical advice (in German and English):

+49 (0)551 192 40 (Giftinformationszentrum Nord)

**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture****Classification in accordance with Regulation (EC) No 1272/2008 (CLP)**

Acute Tox. 4; H332

Aerosol 1; H222 - H229

Carc. 2; H351

Eye Irrit. 2; H319

Resp. Sens. 1; H334

Skin Irrit. 2; H315

Skin Sens. 1; H317

STOT RE 2; H373

STOT SE 3; H335

**Classification information**

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

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

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

**2.2 Label elements****Labelling according to Regulation (EC) No 1272/2008 (CLP Regulation)****Hazard pictograms**

GHS02



GHS07



GHS08

**Signal word**

Danger

**Hazardous component(s) to be indicated on label:**

diphenylmethanediisocyanate, isomeres and homologues

**Hazard statement(s)**

H222

Extremely flammable aerosol.

H229

Pressurised container: May burst if heated.

H315

Causes skin irritation.

H317

May cause an allergic skin reaction.

H319

Causes serious eye irritation.

H332

Harmful if inhaled.

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H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
 H335 May cause respiratory irritation.  
 H351 Suspected of causing cancer.  
 H373 May cause damage to organs through prolonged or repeated exposure

**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.  
 P271 Use only outdoors or in a well-ventilated area.  
 P280 Wear protective gloves/eye protection.  
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER/doctor.  
 P405 Store locked up.  
 P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.  
 P501 Dispose of contents/container to a facility in accordance with local and national regulations.

**Supplemental label elements**

'As from 24 August 2023 adequate training is required before industrial or professional use'

**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**

No	Substance name	Additional information	
	CAS / EC / Index / REACH no	Classification (EC) 1272/2008 (CLP)	Concentration %
1	<b>diphenylmethanediisocyanate, isomeres and homologues</b>		
	9016-87-9 - 615-005-00-9 -	Skin Irrit. 2; H315 Skin Sens. 1; H317 Eye Irrit. 2; H319 Acute Tox. 4*; H332 Resp. Sens. 1; H334 STOT SE 3; H335 Carc. 2; H351 STOT RE 2*; H373**	>= 25.00 - < 50.00 wt%
2	<b>Reaction products of phosphoryl trichloride and methyloxiran</b>		
	1244733-77-4 807-935-0 - 01-2119486772-26	Acute Tox. 4; H302 Aquatic Chronic 3; H412	>= 10.00 - < 25.00 wt%
3	<b>dimethyl ether</b>		
	115-10-6 204-065-8 603-019-00-8 01-2119472128-37	Flam. Gas 1A; H220 Press. Gas; H280	>= 5.00 - < 10.00 wt%
4	<b>propane</b>		
	74-98-6 200-827-9 601-003-00-5 01-2119486944-21	Flam. Gas 1A; H220 Press. Gas liq.; H280	< 5.00 wt%
5	<b>2,2',6,6'-Tetrabromo-4,4'-isopropylidenediphenol, oligomeric reaction products with Propylene oxide and n-butyl glycidyl ether</b>		
	- 926-564-6 - 01-2119971810-36	Acute Tox. 4; H302	< 5.00 wt%
6	<b>isobutane</b>		

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75-28-5 200-857-2 601-004-00-0 01-2119485395-27	Flam. Gas 1A; H220 Press. Gas liq.; H280	< 5.00	wt%
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Full text of H- and EUH-phrases, if not already mentioned in section 2.2: see section 16.

(\*, \*\*, \*\*\*, \*\*\*\*) Detailed explanation pls. refer to CLP regulation No. 1272/2008, annex VI, 1.2

No	Note	Specific concentration limits	M-factor (acute)	M-factor (chronic)
1	C, 2	Resp. Sens. 1; H334: C >= 0.1% Skin Irrit. 2; H315: C >= 5% Eye Irrit. 2; H319: C >= 5% STOT SE 3; H335: C >= 5%	-	-
3	U	-	-	-
4	U	-	-	-
6	C, 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)".

Acute toxicity estimate (ATE) values			
No	oral	dermal	inhalative
2	632 mg/kg bodyweight		

## 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

Instantly wash with copious amounts of water.

#### 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); Monomeric isocyanates; Hydrogen cyanide (HCN); 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

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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). Immediately clean contaminated areas with following substances:

usable (flammable): Water 45 Vol.%, Ethanol or Isopropyl Alcohol 50 Vol.%, Ammonia solution (density=0.88) 5 Vol.%

Alternative applicable to that (not flammable): Sodium Carbonate 5 Vol.%, Water 95 Vol.%; Add the same decontaminant to the remnants and let stand for several days until no further reaction in non-sealed container. Once this stage is reached, close container and dispose according to local regulations (see section 13).

**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. Persons with a history of asthma, allergies, chronic or recurrent respiratory disease should not be exposed to any process in which this mixture is used. Examination of lung function should be carried out on a regular basis on persons spraying this mixture.

**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	diphenylmethanediisocyanate, isomeres and homologues	9016-87-9	
	List of approved workplace exposure limits (WELs) / EH40		
	Isocyanates, all (as -NCO) Exept methyl isocyanate		
	WEL short-term (15 min reference period)	0.07	mg/m³
	WEL long-term (8-hr TWA reference period)	0.02	mg/m³
	Comments	Sen	
	2024/869/EC		
	Diisocyanates (measured as NCO (10))		
	WEL long-term (8-hr TWA reference period)	0.006	mg/m³ 12 ppm
	Skin resorption / sensibilisation	Skin (8) Dermal and respiratory sensitisation (9)	
	Comments	A limit value of 10 µg NCO/m3 in relation to a reference period of 8 hours and a short-term exposure limit value of 20 µg NCO/m3 shall apply until 31 December 2028.	
2	dimethyl ether	115-10-6	204-065-8
	2000/39/EC		
	Dimethylether		

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	WEL long-term (8-hr TWA reference period)	1920	mg/m <sup>3</sup>	1000	ppm
<b>List of approved workplace exposure limits (WELs) / EH40</b>					
	Dimethyl ether				
	WEL short-term (15 min reference period)	958	mg/m <sup>3</sup>	500	ppm
	WEL long-term (8-hr TWA reference period)	766	mg/m <sup>3</sup>	400	ppm

**DNEL, DMEL and PNEC values****DNEL values (worker)**

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	Reaction products of phosphoryl trichloride and methyloxiran			1244733-77-4 807-935-0	
	dermal	Long term (chronic)	systemic	2.91	mg/kg/day
	inhalative	Long term (chronic)	systemic	8.2	mg/m <sup>3</sup>
	inhalative	Short term (acute)	systemic	22.6	mg/m <sup>3</sup>
2	dimethyl ether			115-10-6 204-065-8	
	inhalative	Long term (chronic)	systemic	1894	mg/m <sup>3</sup>

**DNEL value (consumer)**

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	Reaction products of phosphoryl trichloride and methyloxiran			1244733-77-4 807-935-0	
	oral	Long term (chronic)	systemic	0.52	mg/kg/day
	oral	Short term (acute)	systemic	2	mg/kg/day
	dermal	Long term (chronic)	systemic	1.04	mg/kg/day
	inhalative	Long term (chronic)	systemic	1.45	mg/m <sup>3</sup>
	inhalative	Short term (acute)	systemic	5.6	mg/m <sup>3</sup>
2	dimethyl ether			115-10-6 204-065-8	
	inhalative	Long term (chronic)	systemic	471	mg/m <sup>3</sup>
3	2,2',6,6'-Tetrabromo-4,4'-isopropylidenediphenol, oligomeric reaction products with Propylene oxide and n-butyl glycidyl ether			- 926-564-6	
	oral	Long term (chronic)	systemic	0.033	mg/kg bw/day

**PNEC values**

No	Substance name		CAS / EC no	
	ecological compartment	Type	Value	
1	Reaction products of phosphoryl trichloride and methyloxiran		1244733-77-4 807-935-0	
	water	fresh water	0.32	mg/L
	water	Aqua intermittent	0.51	mg/L
	water	marine water	0.032	mg/L
	water	fresh water sediment	11.5	mg/kg dry weight
	water	marine water sediment	1.15	mg/kg dry weight
	soil	-	0.34	mg/kg dry weight
	sewage treatment plant	-	19.1	mg/L
	secondary poisoning	-	11.6	mg/kg food
2	dimethyl ether		115-10-6 204-065-8	
	water	fresh water	0.155	mg/L
	water	Aqua intermittent	1.549	mg/L
	water	marine water	0.016	mg/L
	water	fresh water sediment	0.681	mg/kg dry weight
	water	marine water sediment	0.069	mg/kg dry weight
	soil	-	0.045	mg/kg dry weight
	sewage treatment plant	-	160	mg/L
3	2,2',6,6'-Tetrabromo-4,4'-isopropylidenediphenol, oligomeric reaction products with Propylene oxide and n-butyl glycidyl ether		- 926-564-6	
	sewage treatment plant	-	10	mg/L

**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.

**Personal protective equipment**

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**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.

**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**

<b>State of aggregation</b>			
liquid			
<b>Form</b>			
Aerosol			
<b>Colour</b>			
Various, depending on coloration			
<b>Odour</b>			
characteristic			
<b>pH value</b>			
No data available			
<b>Boiling point / boiling range</b>			
No data available			
<b>Melting point/freezing point</b>			
No data available			
<b>Decomposition temperature</b>			
No data available			
<b>Flash point</b>			
No data available			
<b>Ignition temperature</b>			
No data available			
<b>Flammability</b>			
No data available			
<b>Lower explosion limit</b>			
No data available			
<b>Upper explosion limit</b>			
No data available			
<b>Vapour pressure</b>			
No data available			
<b>Relative vapour density</b>			
Value		> 1	
<b>Relative density</b>			
Value		0.95	
Reference temperature		20 °C	
<b>Density</b>			
Value		950 kg/m³	
Reference temperature		20 °C	
<b>Solubility</b>			
No data available			
<b>Partition coefficient n-octanol/water (log value)</b>			
No	Substance name	CAS no.	EC no.

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1	Reaction products of phosphoryl trichloride and methyloxiran	1244733-77-4	807-935-0
log Pow		2.68	
Reference temperature with reference to Method Source	pH: 7.1 EU Method A.8 ECHA	30	°C
2	propane	74-98-6	200-827-9
log Pow	appr.	1.8	
Reference temperature with reference to Method Source	pH 7 QSAR ECHA	20	°C
3	isobutane	75-28-5	200-857-2
log Pow		2.80	
Reference temperature with reference to Method Source	pH 7 ECHA	20	°C
Kinematic viscosity			
No data available			
Particle characteristics			
No data 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. When exposed to high temperatures may produce hazardous decomposition products. Hydrogen cyanide (HCN); Monomeric isocyanates

## SECTION 11: Toxicological information

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

Acute oral toxicity (result of the ATE calculation for the mixture)			
Product Name			
einza WDVS Klebeschaum			
Comments		The result of the applied calculation method according to the European Regulation (EC) 1272/2008 (CLP), Paragraph 3.1.3.6, Part 3 of Annex I is outside the values that imply a classification / labelling of this mixture according to table 3.1.1 defining the respective categories (ATE oral > 2000 mg/kg).	
Acute oral toxicity			
No	Substance name	CAS no.	EC no.
1	Reaction products of phosphoryl trichloride and methyloxiran	1244733-77-4	807-935-0
LD50		632	mg/kg bodyweight
Species		rat (female)	
Method		67/548/EEC, B.1	
Source		ECHA	
Acute dermal toxicity			
No	Substance name	CAS no.	EC no.

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1	Reaction products of phosphoryl trichloride and methyloxiran		1244733-77-4	807-935-0
LD50		>	2000	mg/kg bodyweight
Species		rat		
Method		OECD 402		
Source		ECHA		
Acute inhalational toxicity (result of the ATE calculation for the mixture)				
Product Name				
einZA WDV5 Klebeschaum				
Comments		The result of the applied calculation method according to the European Regulation (EC) 1272/2008 (CLP), Paragraph 3.1.3.6, Part 3 of Annex I is outside the values that imply a classification / labelling of this mixture according to table 3.1.1 defining the respective categories (ATE for inhalation: > 20.000 ppmV (gases), > 20 mg/l (vapours), > 5 mg/l (dusts/mists)).		
Acute inhalational toxicity				
No	Substance name	CAS no.	EC no.	
1	Reaction products of phosphoryl trichloride and methyloxiran	1244733-77-4	807-935-0	
LC50		>	7	mg/l
Duration of exposure			4	h
State of aggregation		mist		
Species		rat		
Method		OECD 403		
Source		ECHA		
2	dimethyl ether	115-10-6	204-065-8	
LC50			164000	ppmV
Duration of exposure			4	h
State of aggregation		Gas		
Species		rat		
Source		ECHA		
Evaluation/classification		Based on available data, the classification criteria are not met.		
3	propane	74-98-6	200-827-9	
LC50		>	800000	ppmV
Duration of exposure			0.25	h
State of aggregation		Gas		
Species		rat		
Source		ECHA		
Evaluation/classification		Based on available data, the classification criteria are not met.		
4	isobutane	75-28-5	200-857-2	
LC50			520400	ppmV
Duration of exposure			2	h
State of aggregation		Gas		
Species		mouse		
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	Reaction products of phosphoryl trichloride and methyloxiran	1244733-77-4	807-935-0	
Species		rabbit		
Method		OECD 404		
Source		ECHA		
Evaluation		non-irritant		
Evaluation/classification		Based on available data, the classification criteria are not met.		
Serious eye damage/irritation				
No	Substance name	CAS no.	EC no.	
1	Reaction products of phosphoryl trichloride and methyloxiran	1244733-77-4	807-935-0	
Species		rabbit		
Method		OECD 405		
Source		ECHA		
Evaluation		non-irritant		
Evaluation/classification		Based on available data, the classification criteria are not met.		
Respiratory or skin sensitisation				
No	Substance name	CAS no.	EC no.	
1	Reaction products of phosphoryl trichloride and methyloxiran	1244733-77-4	807-935-0	



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Route of exposure	Skin
Species	mouse
Method	OECD 429
Source	ECHA
Evaluation	non-sensitizing
Evaluation/classification	Based on available data, the classification criteria are not met.

**Germ cell mutagenicity**

No	Substance name	CAS no.	EC no.
1	Reaction products of phosphoryl trichloride and methyloxiran	1244733-77-4	807-935-0

Type of examination	in vitro gene mutation study in mammalian cells
Species	Mouse lymphoma cells
Method	OECD 476
Source	ECHA
Evaluation/classification	Based on available data, the classification criteria are not met.
Type of examination	DNA-Damage
Species	rat
Method	OECD 482
Source	ECHA
Evaluation/classification	Based on available data, the classification criteria are not met.
Type of examination	In vivo mammalian somatic cell study: cytogenicity / erythrocyte micronucleus
Species	mouse
Method	OECD 474
Source	ECHA
Evaluation/classification	Based on available data, the classification criteria are not met.

2	dimethyl ether	115-10-6	204-065-8
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Type of examination	in vitro gene mutation study in bacteria
Species	Salmonella typhimurium / Escherichia coli
Method	OECD 471
Source	ECHA
Evaluation/classification	Based on available data, the classification criteria are not met.
Type of examination	In vitro Mammalian Chromosomal Aberration Test
Species	Human Lymphocyte
Method	OECD 473
Source	ECHA
Evaluation/classification	Based on available data, the classification criteria are not met.
Type of examination	in vitro gene mutation study in mammalian cells
Species	Chinese hamster Ovary (CHO)
Method	OECD 476
Source	ECHA
Evaluation/classification	Based on available data, the classification criteria are not met.

3	propane	74-98-6	200-827-9
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Type of examination	in vitro gene mutation study in bacteria
Species	Salmonella typh. TA98, TA100, TA1535, TA1537, TA1538
Method	OECD 471
Source	ECHA
Evaluation/classification	Based on available data, the classification criteria are not met.

4	isobutane	75-28-5	200-857-2
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Type of examination	in vitro gene mutation study in bacteria
Species	Salmonella typh. TA98, TA100, TA1535, TA1537, TA1538
Method	Value taken from the literature
Source	ECHA
Evaluation/classification	Based on available data, the classification criteria are not met.

**Reproduction toxicity**

No	Substance name	CAS no.	EC no.
1	Reaction products of phosphoryl trichloride and methyloxiran	1244733-77-4	807-935-0

Route of exposure	oral
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Type of examination	2 generation study
Species	rat
Method	OECD 416
Source	ECHA
Evaluation/classification	Based on available data, the classification criteria are not met.

Route of exposure	oral
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Type of examination	Prenatal Developmental Toxicity Study
Species	rabbit
Method	OECD 414
Source	ECHA
Evaluation/classification	Based on available data, the classification criteria are not met.

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2	dimethyl ether	115-10-6	204-065-8
Route of exposure		inhalational	
Type of examination		Repeated Dose Inhalation Toxicity	
Species		rat	
Method		OECD 452	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
Route of exposure		inhalational	
NOAEL		40000	ppm
Type of examination		Prenatal Developmental Toxicity Study	
Species		rat	
Method		OECD 414	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
3	propane	74-98-6	200-827-9
Route of exposure		inhalational	
NOAEC		16000	ppm
Type of examination		Combined Repeated Dose Toxicity Study with the Reproduction/Developmental Toxicity Screening Test	
Species		rat	
Method		OECD 422	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
4	isobutane	75-28-5	200-857-2
Route of exposure		inhalational	
NOAEC		9000	ppm
Type of examination		Combined Repeated Dose Toxicity Study with the Reproduction/Developmental Toxicity Screening Test	
Species		rat	
Method		OECD 422	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
Carcinogenicity			
No	Substance name	CAS no.	EC no.
1	Reaction products of phosphoryl trichloride and methyloxiran	1244733-77-4	807-935-0
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
2	dimethyl ether	115-10-6	204-065-8
Route of exposure		inhalational	
NOAEC		47106	mg/m³
Type of examination		Combined Repeated Dose Toxicity Study with the Reproduction/Developmental Toxicity Screening Test	
Species		rat	
Method		OECD 453	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
STOT - single exposure			
No data available			
STOT - repeated exposure			
No	Substance name	CAS no.	EC no.
1	Reaction products of phosphoryl trichloride and methyloxiran	1244733-77-4	807-935-0
Route of exposure		oral	
Species		rat	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
Route of exposure		inhalational	
Species		rabbit	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
2	dimethyl ether	115-10-6	204-065-8
Route of exposure		inhalational	
Species		rat	
Method		OECD 452	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
3	propane	74-98-6	200-827-9

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Route of exposure	inhalational
NOAEC	16000 ppm
Species	rat
Method	OECD 422
Source	ECHA
Evaluation/classification	Based on available data, the classification criteria are not met.
<b>4 isobutane</b>	<b>75-28-5 200-857-2</b>
Route of exposure	inhalational
	9000 ppm
Species	rat
Method	OECD 422
Source	ECHA
Evaluation/classification	Based on available data, the classification criteria are not met.
<b>Aspiration hazard</b>	
No data available	
<b>Endocrine disrupting properties</b>	
No data available	
<b>Delayed and immediate effects as well as chronic effects from short and long-term exposure</b>	
Inhalation may cause irritations of the respiratory tract, allergic reactions, cough, breathing difficulties, headache, nausea and vomiting. Based on the properties of the isocyanate components and considering toxicological data on similar mixtures, this mixture may cause acute irritation and/or sensitisation of the respiratory system leading to an asthmatic condition, wheeziness and a tightness of the chest.	

**11.2 Information on other hazards****Other information**

No data available.

**SECTION 12: Ecological information****12.1 Toxicity**

Toxicity to fish (acute)			
No	Substance name	CAS no.	EC no.
1	Reaction products of phosphoryl trichloride and methyloxiran	1244733-77-4	807-935-0
LC50		51	mg/l
Duration of exposure		96	h
Species	Pimephales promelas		
Source	ECHA		
2	dimethyl ether	115-10-6	204-065-8
LC50		>	4100
Duration of exposure		96	mg/l
Species	Poecilia reticulata		h
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
Toxicity to fish (chronic)			
No data available			
Toxicity to Daphnia (acute)			
No	Substance name	CAS no.	EC no.
1	Reaction products of phosphoryl trichloride and methyloxiran	1244733-77-4	807-935-0
EC50		131	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Source	ECHA		
2	dimethyl ether	115-10-6	204-065-8
EC50		>	4400
Duration of exposure		48	mg/l
Species	Daphnia magna		h
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
Toxicity to Daphnia (chronic)			
No data available			
Toxicity to algae (acute)			
No	Substance name	CAS no.	EC no.

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1	Reaction products of phosphoryl trichloride and methyloxiran	1244733-77-4	807-935-0
EC50		82	mg/l
Duration of exposure		72	h
Species	Pseudokirchneriella subcapitata		
Method	OECD 201		
Source	ECHA		
Toxicity to algae (chronic)			
No data available			
Bacteria toxicity			
No	Substance name	CAS no.	EC no.
1	Reaction products of phosphoryl trichloride and methyloxiran	1244733-77-4	807-935-0
EC50		784	mg/l
Duration of exposure		3	h
Species	activated sludge		
Method	ISO 8192		
Source	ECHA		
2	dimethyl ether	115-10-6	204-065-8
EC10		> 1600	mg/l
Species	Pseudomonas putida		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

## 12.2 Persistence and degradability

<b>Biodegradability</b>			
No	Substance name	CAS no.	EC no.
1	Reaction products of phosphoryl trichloride and methyloxiran	1244733-77-4	807-935-0
Type	aerobic biodegradation		
Value		14	%
Duration		28	d
Method	EU C-4.D		
Source	ECHA		
Evaluation	not readily biodegradable		
2	dimethyl ether	115-10-6	204-065-8
Type	aerobic biodegradation		
Value		5	%
Duration		28	d
Method	OECD 301 D		
Source	ECHA		
Evaluation	not readily biodegradable		
3	isobutane	75-28-5	200-857-2
Type	aerobic biodegradation		
Value		50	%
Duration		3.1	d
Method	QSAR		
Source	ECHA		
Evaluation	readily biodegradable		

## 12.3 Bioaccumulative potential

Bioconcentration factor (BCF)			
No	Substance name	CAS no.	EC no.
1	Reaction products of phosphoryl trichloride and methyloxiran	1244733-77-4	807-935-0
BCF		0.8	- 14
Species	Cyprinus carpio		
Method	OECD 305 C		
Source	ECHA		
Partition coefficient n-octanol/water (log value)			
No	Substance name	CAS no.	EC no.
1	Reaction products of phosphoryl trichloride and methyloxiran	1244733-77-4	807-935-0
log Pow		2.68	
Reference temperature		30	°C
with reference to	pH: 7.1		
Method	EU Method A.8		
Source	ECHA		

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2	propane	74-98-6	200-827-9
log Pow	appr.	1.8	
Reference temperature		20	°C
with reference to	pH 7		
Method	QSAR		
Source	ECHA		
3	isobutane	75-28-5	200-857-2
log Pow		2.80	
Reference temperature		20	°C
with reference to	pH 7		
Source	ECHA		

**12.4 Mobility in soil**

No data available.

**12.5 Results of PBT and vPvB assessment**

Results of PBT and vPvB assessment	
Product Name	
einza WDVS Klebeschaum	
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.

**12.6 Endocrine disrupting properties**

No data available.

**12.7 Other adverse effects**

No data available.

**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 08 05 01\* waste isocyanates

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!

**Packaging**

Waste code 15 01 10\* packaging containing residues of or contaminated by hazardous substances

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

**SECTION 14: Transport information****14.1 UN number or ID number**

ADR/RID/ADN UN1950

IMDG UN1950

ICAO-TI / IATA UN1950

**14.2 UN proper shipping name**

ADR/RID/ADN AEROSOLS

IMDG AEROSOLS

ICAO-TI / IATA Aerosols, flammable

**14.3 Transport hazard class(es)**

ADR/RID/ADN - Class 2

Label 2.1

Classification code 5F

Tunnel restriction code D

IMDG - Class 2

Label 2.1

ICAO-TI / IATA - Class 2.1

Label 2.1

**14.4 Packing group**

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ADR/RID/ADN -  
 IMDG -  
 ICAO-TI / IATA -

**14.5 Environmental hazards**

EmS F-D, S-U

**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 considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.			
REACH candidate list of substances of very high concern (SVHC) for authorisation			
According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.			
Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, MIXTURES AND ARTICLES			
The product is considered being subject to REACH regulation (EC) 1907/2006 annex XVII.			No 3
The product contains following substance(s) that are considered being subject to REACH regulation (EC) 1907/2006 annex XVII.			
No	Substance name	CAS no.	EC no.
1	diphenylmethanediisocyanate, isomeres and homologues	9016-87-9	-
			56, 74, 75, 77
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:			P3a
Directive 2010/75/EU on industrial emissions (integrated pollution prevention and control)			
VOC content	17.50 %		

**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)**

H220 Extremely flammable gas.  
 H222 - H229 Extremely flammable aerosol.  
 H280 Contains gas under pressure; may explode if heated.  
 H302 Harmful if swallowed.  
 H412 Harmful to aquatic life with long lasting effects.

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

C Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.  
 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.  
 2 The concentration of isocyanate stated is the percentage by weight of the free monomer calculated with reference to the total weight of the mixture.

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**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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