

Trade name: einzA Heizkörper Spraylack, hochglänzend**Product no.:** 0079672**Current version :** 2.0.0, issued: 04.04.2022**Replaced version:** 1.0.0, issued: 25.05.2021**Region:** GB**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier****Trade name****einzA Heizkörper Spraylack, hochglänzend****1.2 Relevant identified uses of the substance or mixture and uses advised against****Relevant identified uses of the substance or mixture**

coating material

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

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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)**

Aerosol 1; H222

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) 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

Signal word

Danger

Hazardous component(s) to be indicated on label:

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

Hazard statement(s)

H222

Extremely flammable aerosol.

H229

Pressurised container: May burst if heated.

H336

May cause drowsiness or dizziness.

Hazard statements (EU)

EUH066

Repeated exposure may cause skin dryness or cracking.

EUH208

Contains phthalic-anhydride. May produce an allergic reaction.

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.

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P403+P233
P410+P412
P501Store in a well-ventilated place. Keep container tightly closed.
Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
Dispose of contents/container to an approved incinerator.**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	dimethyl ether		
	115-10-6 204-065-8 603-019-00-8 01-2119472128-37	Flam. Gas 1A; H220 Press. Gas; H280	>= 25.00 - < 50.00 wt%
2	Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics		
	64742-48-9 919-857-5 - 01-2119463258-33	Asp. Tox. 1; H304 EUH066 Flam. Liq. 3; H226 STOT SE 3; H336	>= 25.00 - < 50.00 wt%
3	2-ethylhexanoic acid, zirconium salt		
	22464-99-9 245-018-1 - 01-2119979088-21	Repr. 2; H361fd	< 2.50 wt%
4	phthalic-anhydride		
	85-44-9 201-607-5 607-009-00-4 01-2119457017-41	Acute Tox. 4; H302 Eye Dam. 1; H318 Resp. Sens. 1; H334 Skin Irrit. 2; H315 Skin Sens. 1; H317 STOT SE 3; H335	< 0.50 wt%
5	propylidynetrimehanol		
	77-99-6 201-074-9 - 01-2119486799-10	Repr. 2; H361fd	< 0.50 wt%

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

No	Note	Specific concentration limits	M-factor (acute)	M-factor (chronic)
1	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

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.

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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

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.

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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	dimethyl ether	115-10-6	204-065-8
	2000/39/EC		
	Dimethylether		
	WEL long-term (8-hr TWA reference period)	1920 mg/m ³	1000 ppm
	List of approved workplace exposure limits (WELs) / EH40		
	Dimethyl ether		
	WEL short-term (15 min reference period)	958 mg/m ³	500 ppm
	WEL long-term (8-hr TWA reference period)	766 mg/m ³	400 ppm
2	2-ethylhexanoic acid, zirconium salt	22464-99-9	245-018-1
	List of approved workplace exposure limits (WELs) / EH40		
	Zirconium compounds		
	Zr		
	WEL short-term (15 min reference period)	10 mg/m ³	
	WEL long-term (8-hr TWA reference period)	5 mg/m ³	

DNEL, DMEL and PNEC values

DNEL values (worker)

No	Substance name	CAS / EC no		
	Route of exposure	Exposure time	Effect	Value
1	dimethyl ether	115-10-6	204-065-8	
	inhalative	Long term (chronic)	systemic	1894 mg/m ³
2	Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	64742-48-9	919-857-5	
	dermal	Long term (chronic)	systemic	77 mg/kg/day
	inhalative	Long term (chronic)	systemic	871 mg/m ³
3	2-ethylhexanoic acid, zirconium salt	22464-99-9	245-018-1	
	dermal	Long term (chronic)	systemic	15.75 mg/kg/day
	inhalative	Long term (chronic)	systemic	5 mg/m ³
4	propylidynetrimethanol	77-99-6	201-074-9	
	dermal	Long term (chronic)	systemic	0.94 mg/kg/day
	inhalative	Long term (chronic)	systemic	3.30 mg/m ³

DNEL value (consumer)

No	Substance name	CAS / EC no		
	Route of exposure	Exposure time	Effect	Value
1	dimethyl ether	115-10-6	204-065-8	
	inhalative	Long term (chronic)	systemic	471 mg/m ³
2	Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	64742-48-9	919-857-5	
	oral	Long term (chronic)	systemic	46 mg/kg/day
	dermal	Long term (chronic)	systemic	46 mg/kg/day
	inhalative	Long term (chronic)	systemic	185 mg/m ³
3	2-ethylhexanoic acid, zirconium salt	22464-99-9	245-018-1	
	oral	Long term (chronic)	systemic	7.9 mg/kg/day
	dermal	Long term (chronic)	systemic	7.9 mg/kg/day
	inhalative	Long term (chronic)	systemic	2.5 mg/m ³
4	propylidynetrimethanol	77-99-6	201-074-9	
	oral	Long term (chronic)	systemic	0.34 mg/kg/day
	dermal	Long term (chronic)	systemic	0.34 mg/kg/day
	inhalative	Long term (chronic)	systemic	0.58 mg/m ³

PNEC values

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No	Substance name		CAS / EC no	
	ecological compartment	Type	Value	
1	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
2	2-ethylhexanoic acid, zirconium salt		22464-99-9 245-018-1	
	water	fresh water	0.36	mg/L
	water	marine water	0.036	mg/L
	water	Aqua intermittent	0.493	mg/L
	water	fresh water sediment	6.37	mg/kg dry weight
	water	marine water sediment	0.637	mg/kg dry weight
	soil	-	1.06	mg/kg dry weight
	sewage treatment plant	-	71.7	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

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		
Material thickness	>	0.4	mm
Breakthrough time	>	480	min

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	
white	
Odour	
characteristic	
pH value	
No data available	
Boiling point / boiling range	
Value	-25 °C
Reference substance	dimethylether
Melting point/freezing point	
Value	-142 °C
Reference substance	dimethylether

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Decomposition temperature			
No data available			
Flash point			
Value	<	42	°C
Ignition temperature			
Value		237	°C
Reference substance	Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics		
Flammability			
No data available			
Lower explosion limit			
Value		0.6	% vol
Reference substance	Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics		
Source	Literature value		
Upper explosion limit			
Value		24.4	% vol
Reference substance	dimethylether		
Source	Literature value		
Vapour pressure			
Value		5.1	mbar
Reference temperature		20	°C
Reference substance	dimethylether		
Relative vapour density			
No data available			
Relative density			
No data available			
Density			
No data available			
Solubility in water			
Comments	insoluble		
Solubility			
No data available			
Partition coefficient n-octanol/water (log value)			
No	Substance name	CAS no.	EC no.
1	propylidynetrimethanol	77-99-6	201-074-9
	log Pow		-0.47
	Reference temperature		26 °C
	Method	OECD	
	Source	ECHA	
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.

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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**

Acute oral toxicity			
No	Substance name	CAS no.	EC no.
1	Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	64742-48-9	919-857-5
LD50	>	5000	mg/kg bodyweight
Species	rat		
Method	OECD 401		
Source	ECHA		
2	propylidynetrimethanol	77-99-6	201-074-9
LD50	>	14700	mg/kg bodyweight
Species	rat		
Source	ECHA		
Acute dermal toxicity			
No	Substance name	CAS no.	EC no.
1	Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	64742-48-9	919-857-5
LD50	>	2000	mg/kg bodyweight
Species	rabbit		
Method	OECD 402		
Source	ECHA		
2	propylidynetrimethanol	77-99-6	201-074-9
LD50	>	10000	mg/kg bodyweight
Species	rabbit		
Source	ECHA		
Acute inhalational toxicity			
No	Substance name	CAS no.	EC no.
1	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.		
2	propylidynetrimethanol	77-99-6	201-074-9
LC50	>	0.85	mg/l
Duration of exposure		4	h
State of aggregation	Dust/mist		
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	Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	64742-48-9	919-857-5
Species	rabbit		
Method	OECD 404		
Source	ECHA		
Evaluation	non-irritant		
2	propylidynetrimethanol	77-99-6	201-074-9
Species	rabbit		
Source	ECHA		
Evaluation	non-irritant		
Serious eye damage/irritation			
No	Substance name	CAS no.	EC no.
1	Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	64742-48-9	919-857-5
Species	rabbit		
Method	OECD 405		
Source	ECHA		
Evaluation	non-irritant		

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2	propylidynetrimethanol	77-99-6	201-074-9
Species	rabbit		
Source	ECHA		
Evaluation	non-irritant		

Respiratory or skin sensitisation

No	Substance name	CAS no.	EC no.
1	Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	64742-48-9	919-857-5

Route of exposure	Skin
Species	guinea pig
Method	OECD 406
Source	ECHA
Evaluation	non-sensitizing

2	propylidynetrimethanol	77-99-6	201-074-9
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Route of exposure	Skin
Species	mouse
Method	OECD 429
Source	ECHA
Evaluation	non-sensitizing

Germ cell mutagenicity

No	Substance name	CAS no.	EC no.
1	dimethyl ether	115-10-6	204-065-8

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.

2	propylidynetrimethanol	77-99-6	201-074-9
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Type of examination	in vitro gene mutation study in bacteria
Species	Salmonella typhimurium: TA 1535, TA 1537, TA 98, TA 100; Escherichia coli WP2 uvrA
Method	OECD 471
Source	ECHA
Evaluation/classification	Based on available data, the classification criteria are not met.

Reproduction toxicity

No	Substance name	CAS no.	EC no.
1	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
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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.	

2	propylidynetrimethanol	77-99-6	201-074-9
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Route of exposure	oral	
NOAEL	2200	ppm
Duration of exposure	19	week/s
Species	rats (male/female)	
Method	OECD 443	
Source	ECHA	

Carcinogenicity

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No	Substance name	CAS no.	EC no.
1	dimethyl ether	115-10-6	204-065-8
Route of exposure		inhalational	
NOAEC		47106	mg/m ³
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	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.		
2	propylidynetrimethanol	77-99-6	201-074-9
Route of exposure		oral	
NOAEL		67	mg/kg bw/d
Duration of exposure		14	week/s
Species	rats (male/female)		
Source	ECHA		

Aspiration hazard

No data available

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)			
No	Substance name	CAS no.	EC no.
1	dimethyl ether	115-10-6	204-065-8
LC50		>	4100 mg/l
Duration of exposure		96	h
Species	Poecilia reticulata		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2	Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	64742-48-9	919-857-5
LL50		>	1000 mg/l
Duration of exposure		96	h
Species	Rainbow trout		
Method	OECD 203		
Source	ECHA		
3	propylidynetrimethanol	77-99-6	201-074-9
LC50		>	1000 mg/l
Duration of exposure		96	h
Species	Alburnus Alburnus		
Source	ECHA		
Toxicity to fish (chronic)			
No data available			
Toxicity to Daphnia (acute)			
No	Substance name	CAS no.	EC no.
1	dimethyl ether	115-10-6	204-065-8

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EC50	>	4400	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2	Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	64742-48-9	919-857-5
EL50	>	1000	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
with reference to	WAF (water accommodated fractions)		
Method	OECD 202		
Source	ECHA		
3	propylidynetrimethanol	77-99-6	201-074-9
EC50		13000	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Source	ECHA		

Toxicity to Daphnia (chronic)

No	Substance name	CAS no.	EC no.
1	propylidynetrimethanol	77-99-6	201-074-9
NOEC	>	1000	mg/l
Duration of exposure		21	day(s)
Species	Daphnia magna		
Method	OECD		
Source	ECHA		

Toxicity to algae (acute)

No	Substance name	CAS no.	EC no.
1	Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	64742-48-9	919-857-5
EL50	>	1000	mg/l
Duration of exposure		72	h
Species	Pseudokirchneriella subcapitata		
with reference to	WAF (water accommodated fractions)		
Method	OECD 201		
Source	ECHA		
2	propylidynetrimethanol	77-99-6	201-074-9
EC50	>	1000	mg/l
Duration of exposure		72	h
Species	Selenastrum capricornutum		
Method	OECD		
Source	ECHA		

Toxicity to algae (chronic)

No data available

Bacteria toxicity

No	Substance name	CAS no.	EC no.
1	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.		
2	propylidynetrimethanol	77-99-6	201-074-9
EC50	>	1000	h
Duration of exposure		3	
Species	activated sludge		
Method	EU C.11		
Source	ECHA		

12.2 Persistence and degradability

Biodegradability			
No	Substance name	CAS no.	EC no.
1	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		

Trade name: einza Heizkörper Spraylack, hochglänzend

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2	Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	64742-48-9	919-857-5
Method	OECD 301 F		
Source	ECHA		
Evaluation	readily biodegradable		
3	propylidynetrimethanol	77-99-6	201-074-9
Value		100	%
Duration		28	day(s)
Method	OECD 302 B		
Source	ECHA		
Evaluation	readily biodegradable		

12.3 Bioaccumulative potential

Bioconcentration factor (BCF)			
No	Substance name	CAS no.	EC no.
1	propylidynetrimethanol	77-99-6	201-074-9
BCF		<	17
Species	Cyprinus carpio		
Method	OECD 305 C		
Source	ECHA		
Partition coefficient n-octanol/water (log value)			
No	Substance name	CAS no.	EC no.
1	propylidynetrimethanol	77-99-6	201-074-9
log Pow		-0.47	
Reference temperature		26	°C
Method	OECD		
Source	ECHA		

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	
PBT assessment	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 01 11* 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!

Packaging

Waste code 15 01 04; 15 01 11* 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 Transport ADR/RID/ADN

Class 2
 Classification code 5F
 UN number UN1950

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Proper shipping name AEROSOLS
Tunnel restriction code D
Label 2.1

14.2 Transport IMDG

Class 2
UN number UN1950
Proper shipping name AEROSOLS
EmS F-D, S-U
Label 2.1

14.3 Transport ICAO-TI / IATA

Class 2.1
UN number UN1950
Proper shipping name Aerosols, flammable
Label 2.1

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 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 contains following substance(s) that are considered being subject to REACH regulation (EC) 1907/2006 annex XVII.

No	Substance name	CAS no.	EC no.	No
1	2-ethylhexanoic acid, zirconium salt	22464-99-9	245-018-1	75
2	phthalic-anhydride	85-44-9	201-607-5	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: P3a

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.
H226 Flammable liquid and vapour.

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H280	Contains gas under pressure; may explode if heated.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H361fd	Suspected of damaging fertility. Suspected of damaging the unborn child.

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

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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