EU safety data sheet

Trade name: einzA LawiPur 2-K-PU Mattsiegel, Stammlack Product no.: 0079347

Current version : 2.1.0, issued: 21.12.2023

Replaced version: 2.0.2, issued: 14.03.2023

Region: GB

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

1.1 **Product identifier**

Trade name

einzA LawiPur 2-K-PU Mattsiegel, Stammlack

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

Relevant identified uses of the substance or mixture decorative paints/finishes

Uses advised against No data available.

1.3 Details of the supplier of the safety data sheet

Address

einzA Farben GmbH & Co KG Junkersstraße 13 30179 Hannover

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 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.

This product does not meet the classification criteria given in the Regulation (EC) No 1272/2008 (CLP).

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP Regulation)

Hazard pictograms

Signal word

EUH210

Hazard statement(s)

Hazard statements (EU) EUH208

Contains 1,2-benzisothiazol-3(2H)-one, formaldehyde, reaction mass of: 5-chloro-2methyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3-one (3:1). May produce an allergic reaction.

Safety data sheet available on request.

Precautionary statement(s)

Labelling information

The labelling (EU hazard statements) meets the criteria of annex II of Directive (EC) Nr. 1272/2008 (CLP).



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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		Addi	itional information	
	CAS / EC / Index /	Classification (EC) 1272/2008 (CLP)	Con	centration	%
	REACH no				
1	ammonia	•			
	1336-21-6	Skin Corr. 1B; H314	<	0.50	wt%
	215-647-6	Eye Dam. 1; H318			
	007-001-01-2	STOT SE 3; H335			
	01-2119488876-14	Aquatic Acute 1; H400			
2	1,2-benzisothiazol-		pls.	refer to footnote (1)	
	2634-33-5	Acute Tox. 4*; H302	<	0.05	wt%
	220-120-9	Eye Dam. 1; H318			
	613-088-00-6	Skin Irrit. 2; H315			
	-	Skin Sens. 1; H317			
		Acute Tox. 2; H330			
		Aquatic Acute 1; H400			
		Aquatic Chronic 2; H411			
3	formaldehyde				
	50-00-0	Acute Tox. 3; H301	<	0.10	wt%
	200-001-8	Acute Tox. 3; H311			
	605-001-00-5	Acute Tox. 3; H331			
	01-2119488953-20	Carc. 1B; H350			
		Muta. 2; H341			
		Skin Corr. 1B; H314			
		Skin Sens. 1; H317			
4	pyridine-2-thiol 1-o	xide, sodium salt			
	3811-73-2	EUH070	<	0.10	wt%
	223-296-5	Acute Tox. 4; H302			
	613-344-00-7	Acute Tox. 3; H311			
	-	Acute Tox. 3; H331			
		Skin Irrit. 2; H315			
		Skin Sens. 1; H317			
		Eye Irrit. 2; H319			
		STOT RE 1; H372			
		Aquatic Acute 1; H400			
		Aquatic Chronic 2; H411			
5	reaction mass of: 5	-chloro-2-methyl-4-isothiazolin-3-one and 2-			
	methyl-2H -isothiaz				
	55965-84-9	Acute Tox. 2; H310	<	0.0015	wt%
	-	Acute Tox. 2; H330			
	613-167-00-5	Acute Tox. 3; H301			
	-	Aquatic Acute 1; H400			
		Aquatic Chronic 1; H410			
		EUH071			
		Eye Dam. 1; H318	1		
		Skin Corr. 1C; H314			

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

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

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

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No	Note	Specific concentration limits	M-factor (acute)	M-factor (chronic)
1	В	STOT SE 3; H335: C >= 5%	-	-
2	-	Skin Sens. 1; H317: C >= 0.05%	-	-
3	-	Skin Sens. 1; H317: C >= 0.2% Eye Irrit. 2; H319: C >= 5% STOT SE 3; H335: C >= 5% Skin Irrit. 2; H315: C >= 5% Skin Corr. 1B; H314: C >= 25%	-	-
4	-	-	M = 100	-
5	В	Skin Sens. 1A; H317: C >= 0.0015% Eye Irrit. 2; H319: C >= 0.06% Skin Irrit. 2; H315: C >= 0.06% Skin Corr. 1C; H314: C >= 0.6% Eye Dam. 1; H318: C >= 0.6%	M = 100	M = 100

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)".

4	-; nervous system; -		
Acu	te toxicity estimate (ATE) values		
No	oral	dermal	inhalative
1	350 mg/kg bodyweight		

SECTION 4: First aid measures

4.1 Description of first aid measures

No Route, target organ, concrete effect

General information

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

After inhalation

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

After skin contact

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

After eye contact

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

After ingestion

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

4.2 Most important symptoms and effects, both acute and delayed

No data available.

4.3 Indication of any immediate medical attention and special treatment needed No data available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Alcohol resistant foam, CO2, powders, water spray

Unsuitable extinguishing media



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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. Avoid breathing vapours. 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

Due to the organic solvents' content of the mixture: Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Avoid the inhalation of dust, particulates and spray mist arising from the application of this mixture. Dry sanding, flame cutting and/or welding of the dry paint film may give rise to dust and/or hazardous fumes. Wet [sanding]/[flatting] should be used wherever possible. Avoid inhalation of dust from sanding. For personal protection see section 8.

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. Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air.

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

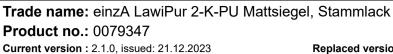
Always keep in containers of same material as the original one. Never use pressure to empty: container is not a pressure vessel. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep container tightly closed. Observe label precautions.

Incompatible products

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

7.3 Specific end use(s)

No data available.





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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

DNEL, DMEL and PNEC values

DNEL values (worker)

No	Substance name			CAS / EC	; no
	Route of exposure	Exposure time	Effect	Value	
1	ammonia			1336-21- 215-647-	-
	dermal	Short term (acut)	systemic	6.8	mg/kg/day
	with reference to: CAS 7	664-41-7			
	dermal	Long term (chronic)	systemic	6.8	mg/kg/day
	with reference to: CAS 7	664-41-7			
	inhalative	Short term (acut)	systemic	47.6	mg/m³
	with reference to: CAS 7	664-41-7			
	inhalative	Short term (acut)	local	36	mg/m³
	with reference to: CAS 7	664-41-7			
	inhalative	Long term (chronic)	systemic	47.6	mg/m³
	with reference to: CAS 7	664-41-7			
	inhalative	Long term (chronic)	local	14	mg/m³
	with reference to: CAS 7	664-41-7			

DNEL value (consumer)

No	Substance name			CAS / EC	no
	Route of exposure	Exposure time	Effect	Value	
1	ammonia			1336-21-6 215-647-6	
	oral	Short term (acut)	systemic	6.8	mg/kg/day
	with reference to: CAS 766	4-41-7			
	oral	Long term (chronic)	systemic	6.8	mg/kg/day
	with reference to: CAS 766	4-41-7			
	dermal	Short term (acut)	systemic	6.8	mg/kg/day
	with reference to: CAS 766	4-41-7			
	dermal	Long term (chronic)	systemic	6.8	mg/kg/day
	with reference to: CAS 766	4-41-7			
	inhalative	Short term (acut)	systemic	23.8	mg/m³
	with reference to: CAS 766	4-41-7			
	inhalative	Short term (acut)	local	7.2	mg/m³
	with reference to: CAS 766	4-41-7			
	inhalative	Long term (chronic)	systemic	23.8	mg/m³
	with reference to: CAS 766	4-41-7			
	inhalative	Long term (chronic)	local	2.8	mg/m³
	with reference to: CAS 766				-

PNEC values

No	Substance name		CAS / EC no	
	ecological compartment	Туре	Value	
1	ammonia		1336-21-6	
			215-647-6	
	water	fresh water	0.001	mg/L
	with reference to: CAS: 7664-41-7			
	water	marine water	0.001	mg/L
	with reference to: CAS: 7664-41-7			
	water	Aqua intermittent	0.0068	mg/L
	with reference to: CAS: 7664-41-7			
	soil	-	0.022	mg/kg dry
				weight

8.2 Exposure controls

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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. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. In case of brush application: Filter A2. When applied by spraying: Filter A2P2. (DIN EN 14387)

Eye / face protection

Wear safety googles to protect against splashes. 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	In case of short-term	contact / spla	ash protection: nitrile rubber
Material thickness	>	0.4	mm
Breakthrough time	>	120	min
Appropriate Material	In case of prolonged e	exposure: nit	rile 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

Do not allow to enter drains or water courses.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

State of aggregation			
liquid			
Form			
liquid			
Colour			
according to product name			
Odour			
characteristic			
pH value			
Value	7.5 -	8.5	
Boiling point / boiling range		400	20
Value	appr.	100	3 °
Melting point/freezing point			
No data available			
Decomposition temperature			
No data available			
Flash point			
Not applicable			

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Ignition temperature				
No data available				
Oxidising properties				
Not applicable				
Flammability				
Not applicable				
Lower explosion limit No data available				
Upper explosion limit				
No data available				
Vapour pressure				
Value	<	100	hPa	
Reference temperature		50	°C	
Relative vapour density				
No data available				
Relative density				
No data available				
Density Value	1.05 -	1.07	g/cm ³	
Reference temperature	1.00	20	°C	
Method	DIN 51757	-	-	
Solubility in water				
Comments	miscible			
Solubility No data available				
Partition coefficient n-octanol/wate	er (log value)			
No data available				
Kinematic viscosity				
Value	350 -	400	mPa*s	
Reference temperature Method	DIN 53019	20		
Method	DIN 53019			
Solvent separation test				
Not applicable				
Particle characteristics				
No data available				

9 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.



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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

Acute oral toxicity			
No Substance nam	ne	CAS no.	EC no.
1 ammonia		1336-21-6	215-647-6
LD50		350) mg/kg bodyweight
Species		rat	
with reference to		CAS 7664-41-7	
Method		OECD 401	
Source		ECHA	
Acute dermal toxici	h. r		
Acute dermal toxici No data available	Lý		
Acute inhalational t	oxicity		
No data available			
Skin corrosion/irrita	ition		
No Substance nam		CAS no.	EC no.
1 ammonia		1336-21-6	215-647-6
Duration of exposure		4	h
Species		rabbit	
with reference to		CAS 7664-41-7	
Method		OECD 404	
Source		ECHA	
Evaluation		corrosive	
No data available Germ cell mutageni	city		
No Substance nan		CAS no.	EC no.
1 ammonia		1336-21-6	215-647-6
Duration of exposure		48	h
Type of examination		Bacterial Reverse Mutation Test	
Species		Salmonella typhimurium TA98, TA	A100, TA1535, TA1537
with reference to		CAS 7664-41-7	
Method		OECD 471	
Source		ECHA	
Evaluation/classificat	ion	Based on available data, the class	sification criteria are not met.
Reproduction toxic	tv		
No data available	9		
Carcinogenicity			
No data available			
STOT - single expos	sure		
No data available			
STOT - repeated ex	oosure		
No data available			
Aspiration hazard No data available			

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Delayed and immediate effects as well as chronic effects from short and long-term exposure Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage. Ingestion may cause nausea, diarrhoea and vomiting. This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

11.2 Information on other hazards

Endocrine disrupting properties No data available.

Other information No data available.

SECTION 12: Ecological information

12.1 Toxicity

o Substanc	e name	CAS no.	EC no.
ammonia		1336-21-6	215-647-6
C50		30.0	33 mg/l
uration of exp	osure	96	h
pecies		Oncorhynchus gorbuscha	
ource		ECHA	
aluation/class	sification	Based on available data, the class	ification criteria are met.
oxicity to fish	ı (chronic)		
o data availab	le		
oxicity to Dap	ohnia (acute)		
o Substanc	e name	CAS no.	EC no.
ammonia		1336-21-6	215-647-6
C50		101	mg/l
uration of exp	osure	48	h
pecies		Daphnia magna	
ethod		ASTM Standard E 729-80	
ource		ECHA	
oxicity to Dap	ohnia (chronic)		
o Substanc	e name	CAS no.	EC no.
ammonia		1336-21-6	215-647-6
OEC		0.79	9 mg/l
uration of exp	osure	21	day(s)
pecies		Daphnia magna	
ethod		EPA OPPTS 850.1300	
ource		ECHA	
oxicity to alga	ae (acute)		
o data availab			
oxicity to alga			
o data availab			
	4		
acteria toxici o data availab			

12.2 Persistence and degradability

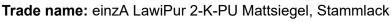
No data available.

12.3 Bioaccumulative potential



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No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

esults 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.		

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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

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.

Packaging

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

The product is not subject to ADR/RID/ADN regulations.

08 01 11*

14.2 Transport IMDG

The product is not subject to IMDG regulations.

14.3 Transport ICAO-TI / IATA

The product is not subject to ICAO-TI / IATA regulations.

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 <u>EU regulations</u>

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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	1,2-benzisothiazol-3(2H)-one	2634-33-5	220-120-9	75
2	ammonia	1336-21-6	215-647-6	75
3	formaldehyde	50-00-0	200-001-8	75
4	octamethylcyclotetrasiloxane	556-67-2	209-136-7	75
5	pyridine-2-thiol 1-oxide, sodium salt	3811-73-2	223-296-5	75
6	reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3- one and 2-methyl-2H -isothiazol-3-one (3:1)	55965-84-9	-	75

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 2004/42/CE on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products

relevant VOC limit value as referred to in Annex II of Directive 2004/42/CE , Cat. : j, type: wb = 140 g/l Max. VOC content (limit value) of the product in its ready for use condition = < 140 g/l

National regulations

Other national regulations

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

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for this mixture.

SECTION 16: Other information

Sources of key data used to compile the data sheet:

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case. The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding section.

Directives 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164. National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

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

30000013/	
EUH070	Toxic by eye contact.
EUH071	Corrosive to the respiratory tract.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H310	Fatal in contact with skin.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.

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H331	Toxic if inhaled.
H335	May cause respiratory irritation.
H341	Suspected of causing genetic defects
H350	May cause cancer.
H372	Causes damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic 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) B Some substances (acids, bases, etc.) are placed on the market in aqueous solutions at

Some substances (acids, bases, etc.) are placed on the market in aqueous solutions at various concentrations and, therefore, these solutions require different classification and labelling since the hazards vary at different concentrations. In Part 3 entries with Note B have a general designation of the following type: 'nitric acid ... %'. In this case the supplier must state the percentage concentration of the solution on the label. Unless otherwise stated, it is assumed that the percentage concentration is calculated on a weight/weight basis.

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Region: GB

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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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