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## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 22.11.2022

Version number 3 (replaces version 2)

Revision: 22.11.2022

## SECTION 1: Identification of the substance/mixture and of the company/ undertaking · 1.1 Product identifier · Trade name: Rittal Korrosionsschutz-Grundierung · 1.2 Relevant identified uses of the substance or mixture and uses advised against No further relevant information available. · Application of the substance / the mixture Filler 1.3 Details of the supplier of the safety data sheet · Manufacturer/Supplier: RITTAL GmbH & Co.KG Auf dem Stützelberg D-35745 Herborn Phone: +49 2772 505 0 e-mail: info@rittal.de · 1.4 Emergency telephone number: Informationszentrale gegen Vergiftungen Bonn Tel.: 0228/19240 (emergency) 0228/287-3-3480 (office) Fax: 0228/287-3-3278 **SECTION 2: Hazards identification** · 2.1 Classification of the substance or mixture Classification according to Regulation (EC) No 1272/2008 flame Flam. Liq. 3 H226 Flammable liquid and vapour. health hazard STOT RE 2 May cause damage to organs through prolonged or repeated H373 exposure.

corrosion

environment

Eye Dam. 1 H318 Causes serious eye damage.

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.

Skin Irrit. 2 H315 Causes skin irritation. Skin Sens. 1 H317 May cause an allergic skin reaction. (Contd. on page 2)



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STOT SE 3	(Contd. of page H335-H336 May cause respiratory irritation. May cause drowsiness dizziness.
The product is	ording to Regulation (EC) No 1272/2008 classified and labelled according to the GB CLP regulation. rams GHS02, GHS05, GHS07, GHS08, GHS09
Hazard-detern	nining components of labelling:
Isobutanol	
Xylene Bisphenol-A-(e n-Butyl acetate	pichlorhydrin), epoxy resin (number average molecular weight 700-1100)
Hazard statem	
	mmable liquid and vapour.
	uses skin irritation.
	uses serious eye damage.
	y cause an allergic skin reaction.
	y cause respiratory irritation. May cause drowsiness or dizziness.
	y cause damage to organs through prolonged or repeated exposure.
	xic to aquatic life with long lasting effects.
Precautionary	
P210	Keep away from heat, hot surfaces, sparks, open flames and other igniti sources. No smoking.
P303+P361+P3	353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse si with water [or shower].
P305+P351+P	338 IF IN EYES: Rinse cautiously with water for several minutes. Remove conta lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER/doctor.
P321	Specific treatment (see on this label).
P362+P364	Take off contaminated clothing and wash it before reuse.
Additional info	
	ins epoxy constituents. May produce an allergic reaction.
spray	ing! Hazardous respirable droplets may be formed when sprayed. Do not breat or mist.
2.3 Other haza	
	T and vPvB assessment
PBT: Not appli	
vPvB: Not app	licable.

## SECTION 3: Composition/information on ingredients

· 3.2 Mixtures

· Description: Mixture of substances listed below with nonhazardous additions.

· Dangerous components:		
CAS: 1330-20-7 EINECS: 215-535-7 Reg.nr.: 01-2119488216-32	Xylene ♦ Flam. Liq. 3, H226; ♦ STOT RE 2, H373; Asp. Tox. 1, H304; ↑ Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	<i>≥</i> 10- <i>≤</i> 20%
CAS: 78-83-1 EINECS: 201-148-0 Reg.nr.: 01-2119484609-23	Isobutanol ♦ Flam. Liq. 3, H226;  ♦ Eye Dam. 1, H318;  ♦ Skin Irrit. 2, H315; STOT SE 3, H335-H336	10-25%
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CAS: 123-86-4       n-Butyl acetate         EINECS: 204-658-1       Flam. Liq. 3, H226; ◆ STOT SE 3, H336, EUH066         Reg.nr.: 01-2119485493-29       Trizinc bis(orthophosphate)         CAS: 7779-90-0       Trizinc bis(orthophosphate)         EINECS: 231-944-3       Aquatic Acute 1, H400; Aquatic Chronic 1, H410         Reg.nr.: 01-2119485044-40       Aquatic Acute 1, H400; Aquatic Chronic 1, H410         CAS: 25068-38-6       Bisphenol-A-(epichlorhydrin), epoxy resin (numb average molecular weight 700-1100)         ◆ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317, EUH205         CAS: 112-07-2       2-Butoxyethyl acetate         EINECS: 203-933-3       ◆ Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox.	5-<10% 2.5-<10% 2.5-<10% 2.5-<10% 2.5-<5%
EINECS: 231-944-3 Reg.nr.: 01-2119485044-40Aquatic Acute 1, H400; Aquatic Chronic 1, H410CAS: 25068-38-6Bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight 700-1100)Image: Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317, EUH205CAS: 112-07-22-Butoxyethyl acetate	ber 2.5-<10%
average molecular weight 700-1100) Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317, EUH205 CAS: 112-07-2 2-Butoxyethyl acetate	
	2 5-<5%
Reg.nr.: 01-2119475112-47 4, H332	
CAS: 100-41-4 EINECS: 202-849-4 Reg.nr.: 01-2119489370-35 I, H304; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Aquatic Chronic 3, H412	2.5-<10% e
CAS: 64-17-5       ethanol         EINECS: 200-578-6	<2.5%
CAS: 1314-13-2 zinc oxide EINECS: 215-222-5 Reg.nr.: 01-2119463881-32	≥0.25-<1%

#### SECTION 4: First aid measures

· 4.1 Description of first aid measures

• General information: Immediately remove any clothing soiled by the product.

· After inhalation:

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

After skin contact: Immediately rinse with water.

· After eye contact:

Rinse opened eye for several minutes under running water. Then consult a doctor.

• After swallowing: If symptoms persist consult doctor.

• **4.3 Indication of any immediate medical attention and special treatment needed** No further relevant information available.

#### SECTION 5: Firefighting measures

- 5.1 Extinguishing media
- · Suitable extinguishing agents:

CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

• For safety reasons unsuitable extinguishing agents: Water with full jet

• 5.2 Special hazards arising from the substance or mixture During heating or in case of fire poisonous gases are produced.

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· 5.3 Advice for firefighters

· Protective equipment: Mouth respiratory protective device.

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

6.1 Personal precautions, protective equipment and emergency procedures Mount respiratory protective device. Wear protective equipment. Keep unprotected persons away.
6.2 Environmental precautions: Do not allow product to reach sewage system or any water course. Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/ surface or ground water.
6.3 Methods and material for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Use neutralising agent. Dispose contaminated material as waste according to item 13. Ensure adequate ventilation.
6.4 Reference to other sections See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

#### SECTION 7: Handling and storage

• **7.1 Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols.

 Information about fire - and explosion protection: Keep ignition sources away - Do not smoke.
 Protect against electrostatic charges.
 Keep respiratory protective device available.

· 7.2 Conditions for safe storage, including any incompatibilities

- · Storage:
- Requirements to be met by storerooms and receptacles: No special requirements.
- Information about storage in one common storage facility: Store away from foodstuffs.
- Further information about storage conditions: Keep container tightly sealed.

· Storage class: 3

• 7.3 Specific end use(s) No further relevant information available.

#### SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

· Ingredients with limit values that require monitoring at the workplace:

#### 1330-20-7 Xylene

WEL Short-term value: 441 mg/m<sup>3</sup>, 100 ppm Long-term value: 220 mg/m<sup>3</sup>, 50 ppm Sk: BMGV

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WFI	Short-term value: 231 mg/m³, 75 ppm
	Long-term value: 154 mg/m <sup>3</sup> , 50 ppm
123-8	86-4 n-Butyl acetate
WEL	Short-term value: 966 mg/m³, 200 ppm
	Long-term value: 724 mg/m³, 150 ppm
112-0	7-2 2-Butoxyethyl acetate
WEL	Short-term value: 332 mg/m³, 50 ppm
	Long-term value: 133 mg/m³, 20 ppm
	Sk
	11-4 Ethylbenzene
WEL	Short-term value: 552 mg/m <sup>3</sup> , 125 ppm
	Long-term value: 441 mg/m³, 100 ppm Sk
64 4.	-5 ethanol
	Long-term value: 1920 mg/m³, 1000 ppm
-	dients with biological limit values:
1330	20-7 Xylene
BMG	V 650 mmol/mol creatinine
	Medium: urine
	Sampling time: post shift
	Parameter: methyl hippuric acid
Addi	tional information: The lists valid during the making were used as basis.
8.2 E	xposure controls
8.2 E Appr	opriate engineering controls No further data; see item 7.
8.2 E Appr Indiv	opriate engineering controls No further data; see item 7. idual protection measures, such as personal protective equipment
8.2 E Appr Indiv Gene	opriate engineering controls <i>No further data; see item 7.</i> idual protection measures, such as personal protective equipment ral protective and hygienic measures:
8.2 E Appr Indiv Gene Keep	opriate engineering controls No further data; see item 7. idual protection measures, such as personal protective equipment ral protective and hygienic measures: away from foodstuffs, beverages and feed.
8.2 E Appr Indiv Gene Keep Imme	opriate engineering controls No further data; see item 7. idual protection measures, such as personal protective equipment ral protective and hygienic measures: away from foodstuffs, beverages and feed. diately remove all soiled and contaminated clothing
8.2 E Appr Indiv Gene Keep Imme Wash	opriate engineering controls No further data; see item 7. idual protection measures, such as personal protective equipment ral protective and hygienic measures: away from foodstuffs, beverages and feed. idiately remove all soiled and contaminated clothing hands before breaks and at the end of work.
8.2 E Appr Indiv Gene Keep Imme Wash Store	opriate engineering controls No further data; see item 7. idual protection measures, such as personal protective equipment ral protective and hygienic measures: away from foodstuffs, beverages and feed. diately remove all soiled and contaminated clothing
8.2 E Appr Indiv Gene Keep Imme Wash Store Avoic Avoic	opriate engineering controls No further data; see item 7. idual protection measures, such as personal protective equipment aral protective and hygienic measures: away from foodstuffs, beverages and feed. diately remove all soiled and contaminated clothing hands before breaks and at the end of work. protective clothing separately. I contact with the eyes. I contact with the eyes and skin.
8.2 E Appr Indiv Gene Keep Imme Wash Store Avoic Avoic	opriate engineering controls No further data; see item 7. idual protection measures, such as personal protective equipment aral protective and hygienic measures: away from foodstuffs, beverages and feed. diately remove all soiled and contaminated clothing hands before breaks and at the end of work. protective clothing separately. I contact with the eyes.
8.2 E Appr Indiv Gene Keep Imme Wash Store Avoic Avoic	opriate engineering controls No further data; see item 7. idual protection measures, such as personal protective equipment ral protective and hygienic measures: away from foodstuffs, beverages and feed. diately remove all soiled and contaminated clothing hands before breaks and at the end of work. protective clothing separately. I contact with the eyes. I contact with the eyes and skin. iratory protection:
8.2 E Appr Indiv Gene Keep Imme Wash Store Avoic Avoic	idual protection measures, such as personal protective equipment ral protective and hygienic measures: away from foodstuffs, beverages and feed. diately remove all soiled and contaminated clothing hands before breaks and at the end of work. protective clothing separately. contact with the eyes. contact with the eyes and skin. iratory protection: In case of brief exposure or low pollution use respiratory filter device. In case of intensi
8.2 E Appr Indiv Gene Keep Imme Wash Store Avoic Avoic	<b>opriate engineering controls</b> No further data; see item 7. <b>idual protection measures, such as personal protective equipment</b> <b>aral protective and hygienic measures:</b> away from foodstuffs, beverages and feed. diately remove all soiled and contaminated clothing hands before breaks and at the end of work. protective clothing separately. I contact with the eyes. I contact with the eyes and skin. <b>iratory protection:</b>
8.2 E Appr Indiv Gene Keep Imme Wash Store Avoic Avoic <b>Resp</b>	idual protection measures, such as personal protective equipment away from foodstuffs, beverages and feed. whiately remove all soiled and contaminated clothing in hands before breaks and at the end of work. protective clothing separately. I contact with the eyes. I contact with the eyes and skin. iratory protection: In case of brief exposure or low pollution use respiratory filter device. In case of intensities or longer exposure use self-contained respiratory protective device.
8.2 E Appr Indiv Gene Keep Imme Wash Store Avoic Avoic Resp Hand	idual protection measures, such as personal protective equipment away from foodstuffs, beverages and feed. whitely remove all soiled and contaminated clothing in hands before breaks and at the end of work. protective clothing separately. I contact with the eyes. I contact with the eyes and skin. irratory protection: In case of brief exposure or low pollution use respiratory filter device. In case of intension or longer exposure use self-contained respiratory protective device.
8.2 E Appr Indiv Gene Keep Imme Wash Store Avoid Resp Hand Seled	<b>Opriate engineering controls</b> No further data; see item 7. <b>idual protection measures, such as personal protective equipment aral protective and hygienic measures: away from foodstuffs, beverages and feed. idiately remove all soiled and contaminated clothing in hands before breaks and at the end of work. protective clothing separately. I contact with the eyes. I contact with the eyes and skin. iratory protection: In case of brief exposure or low pollution use respiratory filter device.</b> In case of intensitient of longer exposure use self-contained respiratory protective device. <b>Protection trotection trotection</b>
8.2 E Appr Indiv Gene Keep Imme Wash Store Avoic Resp Hanc Selec	idual protection measures, such as personal protective equipment away from foodstuffs, beverages and feed. whitely remove all soiled and contaminated clothing in hands before breaks and at the end of work. protective clothing separately. I contact with the eyes. I contact with the eyes and skin. irratory protection: In case of brief exposure or low pollution use respiratory filter device. In case of intensit or longer exposure use self-contained respiratory protective device.
8.2 E Appr Indiv Gene Keep Imme Vash Store Avoic Resp Hand Selec	<b>Opriate engineering controls</b> No further data; see item 7. <b>idual protection measures, such as personal protective equipment aral protective and hygienic measures: away from foodstuffs, beverages and feed. idiately remove all soiled and contaminated clothing in hands before breaks and at the end of work. protective clothing separately. I contact with the eyes. I contact with the eyes and skin. iratory protection: In case of brief exposure or low pollution use respiratory filter device.</b> In case of intensitient of longer exposure use self-contained respiratory protective device. <b>Protection trotection trotection</b>

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

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· Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Breakthrough time of glove material

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

· Eye/face protection



Tightly sealed goggles

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

General Information Physical state	Fluid	
Colour:	According to product specification	1
Odour:	Characteristic	
Odour threshold:	Not determined.	
Melting point/freezing point:	Undetermined.	
Boiling point or initial boiling point and		
boiling range	108 °C (78-83-1 Isobutanol)	
Flammability	Flammable.	
Lower and upper explosion limit		
Lower:	1.1 Vol % (1330-20-7 Xylene)	
Upper:	12 Vol % (78-83-1 Isobutanol)	
Flash point:	23 °C (DIN EN ISO 1523:2002)	
Ignition temperature:	270 °C (DIN 51794)	
Decomposition temperature:	Not determined.	
pH	Not determined.	
Viscosity:		
Kinematic viscosity at 20 °C	130-150 s (DIN 53211/4)	
Dynamic:	Not determined.	
Solubility		
water:	Not miscible or difficult to mix.	
Partition coefficient n-octanol/water (log		
value)	Not determined.	
Vapour pressure at 20 °C:	12 hPa (78-83-1 Isobutanol)	
Density and/or relative density		
Density at 20 °C:	1.218 g/cm³ (DIN EN ISO 2811-1)	)
Relative density	Not determined.	
Vapour density	Not determined.	
9.2 Other information		
Appearance:		
Form:	Fluid	
		(Contd. on page



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Important information on protection of heat	alth
and environment, and on safety.	
• Auto-ignition temperature:	Product is not selfigniting.
• Explosive properties:	Product is not explosive. However, formation of
	explosive air/vapour mixtures are possible.
· Solvent content:	
· Water:	0.1 %
· VOC (EC)	50.23 %
· Solids content (weight-%):	49.7 %
Change in condition	
· Evaporation rate	Not determined.
Information with regard to physical haz	ard
classes	
· Explosives	Void
<sup>•</sup> Flammable gases	Void
Aerosols	Void
· Oxidising gases	Void
Gases under pressure	Void
<sup>·</sup> Flammable liquids	Flammable liquid and vapour.
Flammable solids	Void
Self-reactive substances and mixtures	Void
· Pyrophoric liquids	Void
· Pyrophoric solids	Void
· Self-heating substances and mixtures	Void
Substances and mixtures, which emit	
flammable gases in contact with water	Void
<sup>·</sup> Oxidising liquids	Void
· Oxidising solids	Void
· Organic peroxides	Void
· Corrosive to metals	Void
· Desensitised explosives	Void

#### SECTION 10: Stability and reactivity

- · 10.1 Reactivity No further relevant information available.
- · 10.2 Chemical stability
- Thermal decomposition / conditions to be avoided:
- No decomposition if used according to specifications.
- 10.3 Possibility of hazardous reactions No dangerous reactions known.
- 10.4 Conditions to avoid No further relevant information available.
- $\cdot$  10.5 Incompatible materials: No further relevant information available.
- **10.6 Hazardous decomposition products:** Possible in traces. Nitrogen oxides Hydrogen chloride (HCI)

Carbon monoxide Nitrogen oxides (NOx)

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List II

#### SECTION 11: Toxicological information

- $\cdot$  11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008
- · Skin corrosion/irritation Causes skin irritation.
- Serious eye damage/irritation Causes serious eye damage.
- Respiratory or skin sensitisation May cause an allergic skin reaction.
- **STOT-single exposure** May cause respiratory irritation. May cause drowsiness or dizziness.
- STOT-repeated exposure May cause damage to organs through prolonged or repeated exposure.
- 11.2 Information on other hazards

• Endocrine disrupting properties

78-93-3 Methyl ethyl ketone

## SECTION 12: Ecological information

- · 12.1 Toxicity
- Aquatic toxicity: No further relevant information available.
- 12.2 Persistence and degradability No further relevant information available.
- 12.3 Bioaccumulative potential No further relevant information available.
- 12.4 Mobility in soil No further relevant information available.
- 12.5 Results of PBT and vPvB assessment
- · **PBT:** Not applicable.
- **vPvB:** Not applicable.
- 12.6 Endocrine disrupting properties
- For information on endocrine disrupting properties see section 11.
- · 12.7 Other adverse effects
- · Remark: Toxic for fish
- · Additional ecological information:
- · General notes:

Water hazard class 2 (German Regulation) : hazardous for water Do not allow product to reach ground water, water course or sewage system. Must not reach sewage water or drainage ditch undiluted or unneutralised. Danger to drinking water if even small quantities leak into the ground. Also poisonous for fish and plankton in water bodies. Toxic for aquatic organisms

## SECTION 13: Disposal considerations

- · 13.1 Waste treatment methods
- · Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

- · Uncleaned packaging:
- · Recommendation: Disposal must be made according to official regulations.

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<i>14.1 UN number or ID number ADR, IMDG, IATA</i>	UN1263
14.2 UN proper shipping name ADR	UN1263 PAINT, ENVIRONMENTALL HAZARDOUS
IMDG	PAINT (Trizinc bis(orthophosphate), Solver naphtha), MARINE POLLUTANT
ΙΑΤΑ	PAINT
14.3 Transport hazard class(es)	
ADR	
Class Label	3 (F1) Flammable liquids. 3
IMDG	
Class	3 Flammable liquids.
Label	3
Class Label	3 Flammable liquids. 3
<i>14.4 Packing group ADR, IMDG, IATA</i>	<i>III</i>
14.5 Environmental hazards:	Product contains environmentally hazardou substances: Trizinc bis(orthophosphate)
Marine pollutant:	No Symbol (fish and tree)
Special marking (ADR):	Symbol (fish and tree)
14.6 Special precautions for user Hazard identification number (Kemler code): EMS Number: Stowage Category	Warning: Flammable liquids. 30 F-E, <u>S-E</u> A
14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
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• Transport/Additional information:	
ADR	
· Limited quantities (LQ)	5L
Transport category	3
Tunnel restriction code	D/E
· Remarks:	≤ 5 l: 2.2.3.1.5 ADR
· IMDG	
· Limited quantities (LQ)	5L
· Remarks:	≤ 5 l: 2.2.3.1.5 IMDG
· UN "Model Regulation":	UN 1263 PAINT, 3, III, ENVIRONMENTALLY HAZARDOUS

#### SECTION 15: Regulatory information

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

Directive 2012/18/EU

· Named dangerous substances - ANNEX I None of the ingredients is listed.

Seveso category E2 Hazardous to the Aquatic Environment

P5c FLAMMABLE LIQUIDS

Qualifying quantity (tonnes) for the application of lower-tier requirements 200 t

Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t

· National regulations:

• Additional classification according to Decree on Hazardous Materials, Annex II:

Class Share in %

NK 50-100

· 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

#### **SECTION 16: Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

#### Relevant phrases

H225 Highly flammable liquid and vapour.

- H226 Flammable liquid and vapour.
- H302 Harmful if swallowed.
- H304 May be fatal if swallowed and enters airways.

H312 Harmful in contact with skin.

- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.

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(Contd. of page 10) May cause damage to organs through prolonged or repeated exposure. H373 H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects. EUH066 Repeated exposure may cause skin dryness or cracking. EUH205 Contains epoxy constituents. May produce an allergic reaction. Classification according to Regulation (EC) No 1272/2008 The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008. Abbreviations and acronvms: ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) VOC: Volatile Organic Compounds (USA, EU) PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative Flam. Liq. 2: Flammable liquids - Category 2 Flam. Liq. 3: Flammable liquids - Category 3 Acute Tox. 4: Acute toxicity - Category 4 Skin Irrit. 2: Skin corrosion/irritation – Category 2 Eye Dam. 1: Serious eye damage/eye irritation – Category 1 Eye Irrit. 2: Serious eye damage/eye irritation – Category 2 Skin Sens. 1: Skin sensitisation - Category 1 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3 STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2 Asp. Tox. 1: Aspiration hazard – Category 1 Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard - Category 1 Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard - Category 1 Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard - Category 2 Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard - Category 3 \* Data compared to the previous version altered. GB

