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Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 09.03.2024

Version number 28 (replaces version 27)

Revision: 01.03.2024

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

Trade name	Colusal VL - Komponente A
Article number: 1.2 Relevant identified uses of the substance or mixture	1594
and uses advised against Application of the substance	No further relevant information available.
/ the mixture	Priming
1.3 Details of the supplier of t	he safety data sheet
Manufacturer/Supplier:	MC-Bauchemie Müller GmbH & Co. KG
	Am Kruppwald 1-8
	D-46238 Bottrop
	Tel.: +49(0)2041-101-0
	Fax.: +49(0)2041-101-400
	E-Mail: info@mc-bauchemie.de
	MC-Bauchemie AG
	Hagackerstr. 10
	CH-8953 Dietikon
	Tel.: +44-7400510
	Fax : +44-7400533
Informing department: 1.4 Emergency telephone	msds@mc-bauchemie.de
number:	Tel.: +49 / (0)700 24112112 (MCR)
	Tel.: +1 872 5888271 (MCR)

· 2.1 Classification of the substance or mixture · Classification according to Regulation (EC) No 1272/2008 Skin Irrit. 2 H315 Causes skin irritation. Eye Dam. 1 H318 Causes serious eye damage. Skin Sens. 1 H317 May cause an allergic skin reaction. Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.

· 2.2 Label elements

- · Labelling according to
- Regulation (EC) No 1272/2008 The product is classified and labelled according to the GB CLP regulation.

Hazard pictograms



· Signal word

Danger

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(Contd. of page 1) · Hazard-determining components of labelling: Polymer Epoxidharz-Addukt Aminpolymer *m*-phenylenebis(methylamine) 3-(trimethoxysilyl)propylamine 3.6.9-triazaundecamethylenediamine · Hazard statements H315 Causes skin irritation. H318 Causes serious eye damage. H317 May cause an allergic skin reaction. H411 Toxic to aquatic life with long lasting effects. P261 Avoid breathing dust/fume/gas/mist/vapours/ · Precautionary statements spray. P280 Wear protective gloves / eye protection / face protection. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact 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 information: EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist. · 2.3 Other hazards · Results of PBT and vPvB assessment · PBT: Not applicable.

- · vPvB:
- Not applicable.

SECTION 3: Composition/information on ingredients

[.] 3.2 Mixtures

· Description:	Mixture consisting of the following components.		
· Dangerous components:			
CAS: 260549-92-6	Polymer Epoxidharz-Addukt	10-30%	
	Eye Dam. 1, H318		
CAS: 13463-67-7	titanium dioxide	10-30%	
EINECS: 236-675-5	Carc. 2, H351		
CAS: 1314-13-2	Zinc oxide	≥2.5-<10%	
EINECS: 215-222-5	Aquatic Acute 1, H400; Aquatic Chronic 1, H410		
CAS: 7779-90-0	trizinc bis(orthophosphate)	≥2.5-<10%	
EINECS: 231-944-3	Aquatic Acute 1, H400; Aquatic Chronic 1, H410		
CAS: 180583-06-6	Aminpolymer	≥1-<5%	
	Skin Sens. 1, H317		
CAS: 1477-55-0	m-phenylenebis(methylamine)	<i>≥</i> 2.5-<3%	
EINECS: 216-032-5 Reg.nr.: 01-2119480150-50	Skin Corr. 1B, H314; Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Sens. 1, H317; Aquatic Chronic 3, H412]	
	1	(Contd. on page	



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		(Contd. of page 2)
CAS: 60580-61-2	Zink-5-nitroisophthalat	<i>≥</i> 0.25-<2.5%
EINECS: 262-309-9	Aquatic Acute 1, H400; Aquatic Chronic 2, H411	
CAS: 13822-56-5	3-(trimethoxysilyl)propylamine	≥1-<1.5%
EINECS: 237-511-5	Eye Dam. 1, H318; Skin Irrit. 2, H315	
CAS: 112-57-2	3,6,9-triazaundecamethylenediamine	<i>≥</i> 0.1-<0.25%
EINECS: 203-986-2	Skin Corr. 1B, H314; Eye Dam. 1, H318; Aquatic Chronic 2, H411; Acute Tox. 4, H302; Acute Tox. 4, H312; Skin Sens. 1, H317	
· Additional information	For the wording of the listed hazard phrases refer to	section 16.

SECTION 4: First aid measures

· 4.1	Descri	ption	of	first	aid	measures
-------	--------	-------	----	-------	-----	----------

· General information	Remove contaminated clothing immediately. Consult a doctor if symptoms occur. Move affected person to fresh air.
· After inhalation	Supply fresh air; seek medical advice if symptoms occur.
· After skin contact	If unconscious, place in recovery position and seek medical advice. In case of contact with skin, wash carefully with plenty of soap and water. Consult a doctor in case of skin reactions.
· After eye contact	Rinse opened eye for several minutes under running water. Call a doctor immediately
· After swallowing	Rinse mouth with water. Never give anything by mouth to an unconscious person. DO NOT induce vomiting. If symptoms persist, consult a doctor.
 4.2 Most important symptom and effects, both acute and 	S
delayed	Advice for the doctor: Elementary aid, decontamination,

symptomatic treatment.

SECTION 5: Firefighting measures

- · 5.1 Extinguishing media
- Suitable extinguishing agents Use fire fighting measures that suit the environment.
- 5.2 Special hazards arising from the substance or mixture
- No further relevant information available.
- 5.3 Advice for firefighters • Protective equipment:
- No special measures required.
- SECTION 6: Accidental release measures
- 6.1 Personal precautions, protective equipment and emergency procedures

Not required.

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6.2 Environmental	
precautions:	Dilute with much water.
6.3 Methods and material for	
containment and cleaning up	: Collect mechanically.
5 /	Clean the accident area carefully; suitable cleaners are: warm water and cleaning agent
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 information on disposal.

SECTION 7: Handling and storage

• 7.1 Precautions for safe handling	Open and handle containers with care. Only use in well-ventilated areas (e.g. open construction, outdoor areas), in rooms without air exchange (e.g. closed rooms, underground car parks) ventilation measures are required. are required. Wear suitable personal protective equipment (see section 8). Avoid contact with eyes, skin and clothing. Change contaminated or damaged gloves and contaminated clothing immediately and wash skin immediately. Mix slowly, partially covering the mixing container. Pour carefully and slowly when repotting. Observe the BGBau technical data sheet and practical guide for handling epoxy resins. Open and handle containers with care.
 Information about protection against explosions and fires: 	Ensure sufficient air exchange and/or extraction in the working areas. Take precautionary measures to avoid electrostatic discharges.
 7.2 Conditions for safe storag Storage Requirements to be met by storerooms and containers: Further information about storage conditions: Storage class 	ne, including any incompatibilities No special requirements. Protect from heat and direct sunlight. 10

SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

Components with critical

values that require

monitoring at the workplace: The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

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DNELs			(Contd. of page
	477-55-0	n-phenvlenebi	is(methylamine)
Dermal			/day (Workers)
		1.2 mg/m³ (Wo	
			camethylenediamine
Oral		0.53 mg/kg bw	-
Dermal		0.74 mg/kg bw	
Inhalativ		6940 mg/m³ (A	
PNECs			
	477-55-0	n-phenylenebi	is(methylamine)
	10 mg/l (K		
	0.009 mg/	•	
	-	(Freshwater)	
	-	g dwt (Bod)	
	-	,	vater sediment)
	-	dwt (Fresh wa	
	-	•	camethylenediamine
	9.73 mg/l	-	
	-	/I (Fresh water,)
	0.0068 mg	(Mew)	
		g dwt (Sedime	ent)
	-	dwt (Fresh wa	
	nal inforr	•	The lists that were valid during the compilation were used as bas
8 2 Fxn	osure co	trols	
	riate eng		
control	s	-	No further data; see section 7.
			s, such as personal protective equipment
	l protecti c measui		Keep away from food, drink and animal feed.
nygicin	e measar		Remove soiled, soaked clothing immediately.
			Wash hands before breaks and at the end of work.
			Avoid contact with eyes and skin.
Breathi	ng equip	ient:	If workplace limit values cannot be complied with by ventilati measures or if rooms cannot be technically ventilated, respirate
			protection must be worn: Use combination filter A1-P2 (brow
			white) in rooms that cannot be ventilated. If oxygen deficiency
			expected, use self-contained breathing apparatus. Obser
			wearing time limits according to §9 (3) GefStoffV in conjuncti
Hand n	rotection		with BGR 190. Selection of the glove material on consideration of the penetrati
παπά β	olection		times, rates of diffusion and the degradation
Materia	l of glove	;	You can find help with choosing gloves on the website https www.bgbau.de/fileadmin/Gisbau/Projekte.pdf
			For example, we recommend the Sol-vex 37-900 protective glove (Contd. on page



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	(Contd. of page 5) from Ansell GmbH. The breakthrough time of the protective gloves can be found under point 8 "Penetration time of the glove material". The selection of a suitable glove depends not only on the material, but also on other quality features and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of glove materials cannot be calculated in advance and must therefore be checked before use. Nitrile rubber Recommended material thickness:> 0.4 mm
Demotration time of aloue	
• Penetration time of glove material	The breakthrough times of the Sol-vex 37-900 protective gloves are around 8 hours. The following applies to all other gloves: The exact breakthrough time must be obtained from the protective glove manufacturer and adhered to. Nitrile rubber Material thickness: ≥ 0.40 mm Penetration time: ≥ 480 min Butyl rubber: Material thickness: ≥ 0.5 mm
	Penetration time: \geq 480 min
· Eye/face protection	Tight-fitting safety goggles. Safety goggles.
• Body protection:	Protective clothing Suitable protective clothing should be worn when working with epoxy resins. In addition to normal work clothing (long trousers, long-sleeved shirt or T-shirt), disposable overalls, aprons, overshoes, sleeve protectors etc. may be necessary depending on the activity. Uncovered areas of skin should be avoided as far as possible, even in hot weather. If the work involves kneeling, the lower leg area should be protected by protective trousers.

9.1 Information on basic physical and General Information	chemical properties
Colour:	Grev
Smell:	Characteristic
Melting point/freezing point:	Not determined
Boiling point or initial boiling point an	nd
boiling range	100 °C (CAS: 7732-18-5 water, distilled conductivity or of similar purity)
Flash point:	151 °C
рН .	Not determined.
Viscosity:	
Kinematic viscosity at 20 °C	500 s (ISO 6 mm)



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dynamic:	Not determined.
Solubility	
Water:	Partly miscible
Steam pressure at 20 °C:	23 hPa (CAS: 7732-18-5 water, distilled, conductivity or of similar purity)
Vapour pressure at 50 °C:	<5 hPa
Density and/or relative density	
Density	Not determined
9.2 Other information	
Appearance:	
Form:	Pasty
Important information on protection of hea	alth
and environment, and on safety.	
Self-inflammability:	Product is not selfigniting.
Explosive properties:	Product is not explosive.
Information with regard to physical haz classes Explosives	Void
Flammable gases	Void
Aerosols	Void
Oxidising gases	Void
Gases under pressure	Void
Flammable liquids	Void
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
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.

• 10.5 Incompatible materials: No further relevant information available.

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 10.6 Hazardous decomposition products:

No dangerous decomposition products known

SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008** • **Acute toxicity** Based on available data, the classification criteria are not met.
- · LD/LC50 values that are relevant for classification: CAS: 13463-67-7 titanium dioxide Oral LD50 >10000 mg/kg (rat) Dermal LD50 >10000 mg/kg (rabbit) Inhalative LC50/4 h >6.8 mg/l (rat) CAS: 1477-55-0 m-phenylenebis(methylamine) Oral LD50 1180 mg/kg (mouse) 930 mg/kg (rat) LD50 >3100 mg/kg (rabbit) Dermal CAS: 112-57-2 3,6,9-triazaundecamethylenediamine LD50 2140 mg/kg (rat) Oral LD50 1260 mg/kg (rabbit) Dermal · Skin corrosion/irritation Causes skin irritation. • Serious eye damage/irritation Causes serious eye damage. · Respiratory or skin sensitisation May cause an allergic skin reaction. Germ cell mutagenicity Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met. Carcinogenicity · Reproductive toxicity Based on available data, the classification criteria are not met. · STOT-single exposure Based on available data, the classification criteria are not met.
- STOT-repeated exposure Based on available data, the classification criteria are not met.
 Aspiration hazard Based on available data, the classification criteria are not met.
 11.2 Information on other hazards
 Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information

· 12.1 Toxicity

· Aquatic te	oxicity:
CAS: 147	7-55-0 m-phenylenebis(methylamine)
IC50/72h	12 mg/l (algae)
EC50/72h	12 mg/l (Scenedesmus subspicatus)
LC50/96h	>100 mg/l (Oncorhynchus mykiss)
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87.6 mg/l (Ory) EC50/48h 15.2 mg/l (Daphnia magna) CAS: 112-57-2 3,6,9-triazaundecamethylenediamine	
CAS: 112-57-2 3,6,9-triazaundecamethylenediamine	
EC50/72h 2.1 mg/l (algae)	
LC50/96h 420 mg/l (Gup)	
EC50/48h 24.1 mg/l (Daphnia magna)	
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 The product does not contain substances with endocrine disruption properties.	upting
12.7 Other adverse effects	
Additional ecological information:	
• General notes: Do not allow product to reach ground water, water bodi sewage system.	es o
Danger to drinking water if even small quantities leak into soil.	

SECTION 13: Dis	posal considerations

 13.1 Waste treatment methor Recommendation 	ds Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
 Uncleaned packagings: Recommendation: Recommended cleaning 	Disposal must be made according to official regulations.
agent:	Water, if necessary with cleaning agent.

· 14.1 UN number or ID number	
· ADR, IMDG, IATA	UN3082
· 14.2 UN proper shipping name	
ADR, IATA	ENVIRONMENTALLY HAZARDOU
<i>,</i>	SUBSTANCE, LIQUID, N.O.S. (Zinc oxide, triz
	bis(orthophosphate))



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SUBSTANCE, LIQUID, N.O.S. (Zinc oxide, trizin. bis(orthophosphate)), MARINE POLLUTANT 14.3 Transport hazard class(es) ADR Class 9 (M6) Miscellaneous dangerous substances and articles. Label 9 IMDG, IATA 9 Class 9 Miscellaneous dangerous substances and articles. Label 9 MAR, IMDG, IATA 9 Class 9 Miscellaneous dangerous substances and articles. ADR 9 14.4 Packing group ADR, IMDG, IATA 111 14.5 Environmental hazards: Product contains environmentally hazardou. substances: Aminpolymer Marine pollutant: Yes Special marking (ADR): Symbol (fish and tree) Special marking (IATA): Symbol (fish and tree) Special marking (IATA): Symbol (fish and tree) EMS Number: F-A,S-F Segregation groups (SGG18) Alkalis Stowage Category A 14.7 Maritime transport in bulk according to IM0 instruments Not applicable. Transport/Additional information: ADA ADR Code: E1 Maximum net quantity per outer packaging: 30 ml Maximum net quantity per outer packaging: 30 ml Maximum net quantity p		(Contd. of page S
ADR Class 9 (M6) Miscellaneous dangerous substances and articles. Label 9 IMDG, IATA Class 9 Miscellaneous dangerous substances and articles. Label 9 14.4 Packing group ADR, IMDG, IATA III 14.5 Environmental hazards: Product contains environmentally hazardou. substances: Aminpolymer Yes Symbol (fish and tree) Special marking (ADR): Symbol (fish and tree) Special marking (IATA): Symbol (fish and tree) Special marking (CAR): Symbol (fish and tree) Stowage Category A 14.6 Special precautions for user Warning: Miscellaneous dangerous substances and articles. Kemler Number: 90 EMS Number: F-A,S-F Segregation groups (SGG18) Alkalis At 1.7 Maritime transport in bulk according to IMO instruments Not applicable. Transport/Additional information: Code: E1 Maximum net quantity per outer packaging: 30 ml Maximum net quantity per outer packaging: 100 ml Tansport category 3	IMDG	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Zinc oxide, trizind bis(orthophosphate)), MARINE POLLUTANT
Class 9 (M6) Miscellaneous dangerous substances and articles. Label 9 IMDG, IATA 9 Class 9 Miscellaneous dangerous substances and articles. Label 9 14.4 Packing group 9 ADR, IMDG, IATA III 14.5 Environmental hazards: Product contains environmentally hazardou. substances: Aminpolymer Marine pollutant: Yes Special marking (ADR): Symbol (fish and tree) Special marking (IATA): Symbol (fish and tree) 14.6 Special precautions for user Warning: Miscellaneous dangerous substances and articles. Kemler Number: 90 EMS Number: F-A,S-F Segregation groups (SGG 18) Alkalis A1.7 Maritime transport in bulk according to IMO instruments Not applicable. Transport/Additional information: ADR ADR Code: E1 Maximum net quantity per outer packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml Transport category 3 Tunnel restriction code (-) IMDG 1	14.3 Transport hazard class(es)	
articles. 9 IADG, IATA 9 Class 9 Miscellaneous dangerous substances and articles. Label 9 14.4 Packing group 9 ADR, IMDG, IATA 111 14.5 Environmental hazards: Product contains environmentally hazardou. substances: Aminpolymer Marine pollutant: Yes Special marking (ADR): Symbol (fish and tree) Special marking (IATA): Symbol (fish and tree) Special precautions for user Warning: Miscellaneous dangerous substances and articles. Kemler Number: 90 EMS Number: F-A,S-F Segregation groups (SGG18) Alkalis Stowage Category A 14.7 Maritime transport in bulk according to IMO instruments Not applicable. Transport/Additional information: ADR Limited quantities (LQ) 5L Excepted quantities (EQ) 5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 100 ml Transport category 3 Tunnel restriction code (-)	ADR	
IMDG, IATA 9 Class 9 Label 9 14.4 Packing group 9 ADR, IMDG, IATA III 14.5 Environmental hazards: Product contains environmentally hazardou. substances: Aminpolymer Marine pollutant: Yes Special marking (ADR): Symbol (fish and tree) Special marking (IATA): Symbol (fish and tree) 14.6 Special precautions for user Warning: Miscellaneous dangerous substances and articles. Kemler Number: 90 EMS Number: F-A,S-F Segregation groups (SGG18) Alkalis Stowage Category A 14.7 Maritime transport in bulk according to IMO instruments Not applicable. Transport/Additional information: ADR Limited quantities (LQ) 5L Excepted quantities (EQ) Code: E1 Maximum net quantity per outer packaging: 30 ml Maximum net quantity per outer packaging: 100 ml Transport category 3 Tunnel restriction code (-) IMDG 10	Class	
Class 9 Miscellaneous dangerous substances and articles. Label 9 14.4 Packing group 9 14.4 Packing group 111 14.5 Environmental hazards: Product contains environmentally hazardou. substances: Aminpolymer Marine pollutant: Yes Special marking (ADR): Symbol (fish and tree) Special marking (IATA): Symbol (fish and tree) Special marking (IATA): Symbol (fish and tree) Special precautions for user Warning: Miscellaneous dangerous substances and articles. 90 EMS Number: EMS Number: 90 EMS Number: F-A, S-F Segregation groups (SGG18) Alkalis Stowage Category A 14.7 Maritime transport in bulk according to IMO instruments Not applicable. Transport/Additional information: ADR Limited quantities (LQ) 5L Excepted quantities (EQ) Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 100 ml Maximum	Label	9
Labelarticles.J914.4 Packing group ADR, IMDG, IATAIII14.5 Environmental hazards:Product contains environmentally hazardou. substances: AminpolymerMarine pollutant:YesSpecial marking (ADR):Symbol (fish and tree)Special marking (IATA):Symbol (fish and tree)Special marking (IATA):Symbol (fish and tree)14.6 Special precautions for userWarning: Miscellaneous dangerous substances and articles.Kemler Number:90EMS Number:F-A,S-FSegregation groups(SGG18) Alkalis Stowage Category14.7 Maritime transport in bulk according to IMO instrumentsNot applicable.Transport/Additional information:Not applicable.ADR Limited quantities (LQ)5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 100 mlTransport category3 Tunnel restriction codeIMDG14.1	IMDG, IATA	
14.4 Packing group ADR, IMDG, IATA III 14.5 Environmental hazards: Product contains environmentally hazardou. substances: Aminpolymer Marine pollutant: Yes Special marking (ADR): Symbol (fish and tree) Special marking (IATA): Symbol (fish and tree) 14.6 Special precautions for user Warning: Miscellaneous dangerous substances and articles. Kemler Number: 90 EMS Number: F-A, S-F Segregation groups (SGG18) Alkalis Stowage Category A 14.7 Maritime transport in bulk according to IMO instruments Not applicable. Transport/Additional information: ADR ADR Code: E1 Maximum net quantity per outer packaging: 30 ml Maximum net quantity per outer packaging: 100 ml Transport category 3 Tunnel restriction code (-) IMDG IMDG	Class	articles.
ADR, IMDG, IATAIII14.5 Environmental hazards:Product contains environmentally hazardou. substances: AminpolymerMarine pollutant:YesMarine pollutant:YesSpecial marking (ADR):Symbol (fish and tree)Special marking (IATA):Symbol (fish and tree)14.6 Special precautions for userWarning: Miscellaneous dangerous substances and articles.Kemler Number:90EMS Number:F-A,S-FSegregation groups(SGG18) AlkalisStowage CategoryA14.7 Maritime transport in bulk according to IMO instrumentsNot applicable.Transport/Additional information:Not applicable.ADR Limited quantities (LQ)5LExcepted quantities (EQ)Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 100 mlTransport category3Tunnel restriction code(-)IMDG14.000000000000000000000000000000000000	Label	9
Marine pollutant: Yes Special marking (ADR): Symbol (fish and tree) Special marking (IATA): Symbol (fish and tree) Special marking (IATA): Symbol (fish and tree) 14.6 Special precautions for user Warning: Miscellaneous dangerous substances and articles. Kemler Number: 90 EMS Number: F-A, S-F Segregation groups (SGG18) Alkalis Stowage Category A 14.7 Maritime transport in bulk according to IMO instruments Not applicable. Transport/Additional information: A ADR Code: E1 Limited quantities (LQ) 5L Excepted quantities (EQ) Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml Transport category 3 Tunnel restriction code (-) IMDG (-)	14.4 Packing group ADR, IMDG, IATA	III
Symbol (fish and tree)Special marking (ADR):Symbol (fish and tree)Special marking (IATA):Symbol (fish and tree)14.6 Special precautions for userWarning: Miscellaneous dangerous substances and articles.Kemler Number:90EMS Number:F-A, S-FSegregation groups(SGG18) AlkalisStowage CategoryA14.7 Maritime transport in bulk according to IMO instrumentsNot applicable.Transport/Additional information:Not applicable.ADR Limited quantities (LQ)5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 mlTransport category3 Tunnel restriction codeIMDG(-)	14.5 Environmental hazards:	Product contains environmentally hazardous substances: Aminpolymer
Special marking (IATÅ):Symbol (fish and tree)14.6 Special precautions for userWarning: Miscellaneous dangerous substances and articles.Kemler Number:90EMS Number:F-A, S-FSegregation groups(SGG18) AlkalisStowage CategoryA14.7 Maritime transport in bulk according to IMO instrumentsNot applicable.Transport/Additional information:Not applicable.ADR Limited quantities (LQ)5LExcepted quantities (EQ)Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 mlTransport category3 Tunnel restriction codeIMDG(-)	Marine pollutant:	Yes
articles. Kemler Number: 90 EMS Number: F-A, S-F Segregation groups (SGG18) Alkalis Stowage Category A 14.7 Maritime transport in bulk according to IMO instruments Not applicable. Transport/Additional information: Not applicable. ADR 5L Excepted quantities (LQ) 5L Excepted quantities (EQ) Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml Transport category 3 Tunnel restriction code (-) IMDG	Special marking (ADR): Special marking (IATA):	
Kemler Number:90EMS Number:F-A, S-FSegregation groups(SGG18) AlkalisStowage CategoryA14.7 Maritime transport in bulk according to IMO instrumentsNot applicable.Transport/Additional information:Not applicable.ADR Limited quantities (LQ)5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 mlTransport category3 	14.6 Special precautions for user	Warning: Miscellaneous dangerous substances and articles.
Segregation groups(SGG18) AlkalisStowage CategoryA14.7 Maritime transport in bulk according to IMO instrumentsNot applicable.Transport/Additional information:Not applicable.ADR Limited quantities (LQ)5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 mlTransport category3 Tunnel restriction codeIMDG(-)	Kemler Number:	
Stowage Category A 14.7 Maritime transport in bulk according to IMO instruments Not applicable. Transport/Additional information: Not applicable. ADR Limited quantities (LQ) 5L Excepted quantities (EQ) Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml Transport category 3 Tunnel restriction code (-) IMDG Image: Content in the structure in t	EMS Number:	
IMO instruments Not applicable. Transport/Additional information: ADR ADR 5L Limited quantities (LQ) 5L Excepted quantities (EQ) Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 Transport category 3 Tunnel restriction code (-) IMDG	Segregation groups Stowage Category	
Transport/Additional information: ADR Limited quantities (LQ) 5L Excepted quantities (EQ) Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 Transport category 3 Tunnel restriction code (-)		
ADR Limited quantities (LQ) 5L Excepted quantities (EQ) Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml Transport category 3 Tunnel restriction code (-) IMDG	IMO instruments	Not applicable.
Limited quantities (LQ) 5L Excepted quantities (EQ) Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 Transport category 3 Tunnel restriction code (-)	Transport/Additional information:	
Excepted quantities (ÉQ) Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 Transport category 3 Tunnel restriction code (-) IMDG	ADR	
Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml Transport category 3 Tunnel restriction code (-) IMDG	Limited quantities (LQ)	
Maximum net quantity per outer packaging: 100 ml Transport category 3 Tunnel restriction code (-) IMDG	Excepted quantities (EQ)	
Transport category 3 Tunnel restriction code (-) IMDG		Maximum net quantity per outer packaging: 100
Tunnel restriction code (-) IMDG	Transport category	
	Tunnel restriction code	-
Limited quantities (LQ) 5L	IMDG	
	Limited quantities (LQ)	5L

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Trade name Colusal VL - Komponente A

	(Contd. of page 10)		
• Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml		
· UN "Model Regulation":	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ZINC OXIDE, TRIZINC BIS(ORTHOPHOSPHATE)), 9, III		

SECTION 15: Regulatory information

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

•	Ρ	0	is	0	ns	Α	ct
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 Regulated explosives precurs 	ors
None of the ingredients is listed.	
· Regulated poisons	
None of the ingredients is listed.	
· Reportable explosives precur	sors
None of the ingredients is listed.	
· Reportable poisons	
None of the ingredients is listed.	
 Directive 2012/18/EU Qualifying quantity (tonnes) for the application of lower- 	
tier requirements Qualifying quantity (tonnes) for the application of upper-	200 t
tier requirements • 15.2 Chemical safety	500 t
assessment:	A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Relevant phrases	H302 Harmful if swallowed. H312 Harmful 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.	
	H316 Causes serious eye damage. H332 Harmful if inhaled. H351 Suspected of causing cancer.	
	, ,	10

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	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.
	H412 Harmful to aquatic life with long lasting effects.
· Department issuing data	
specification sheet:	Environment protection department.
	RID: Règlement international concernant le transport des marchandi
Appreviations and acronyms	dangereuses par chemin de fer (Regulations Concerning the Internatio
	Transport of Dangerous Goods by Rail)
	ICAO: International Civil Aviation Organisation
	ADR: Accord relatif au transport international des marchandises dangereuses
	route (European Agreement Concerning the International Carriage of Danger
	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)
	DNEL: Derived No-Effect Level (UK REACH)
	PNEC: Predicted No-Effect Concentration (UK REACH)
	LC50: Lethal concentration, 50 percent
	LD50: Lethal dose, 50 percent
	PBT: Persistent, Bioaccumulative and Toxic
	vPvB: very Persistent and very Bioaccumulative
	Acute Tox. 4: Acute toxicity – Category 4
	Skin Corr. 1B: Skin corrosion/irritation – Category 1B
	Skin Irrit. 2: Skin corrosion/irritation – Category 2
	Eye Dam. 1: Serious eye damage/eye irritation – Category 1
	Skin Sens. 1: Skin sensitisation – Category 1 Carc. 2: Carcinogenicity – Category 2
	Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazar
	Category 1
	Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aqu
	hazard – Category 1
	Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aqu
	hazard – Category 2
	Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aqu
	hazard – Category 3
• * Data compared to the	
previous version altered.	