

Trade name: Villaseal Komponente A (Resin)**Current version :** 1.0.0, issued: 21.06.2017**Replaced version:** -, issued: -**Region:** GB**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier****Trade name****Villaseal Komponente A (Resin)****1.2 Relevant identified uses of the substance or mixture and uses advised against****Relevant identified uses of the substance or mixture**

Primers, sealants and scratch-coatings under asphalt pavements on concrete.

Uses advised against

No data available.

1.3 Details of the supplier of the safety data sheet**Address**VILLAS AUSTRIA GmbH
Industriestraße 18
A-9586 FÜRNITZTelephone no. +43 (0)4257/2241-0
Fax no. +43 (0)4257/2241-2390
e-mail office@villas.at**Advice on Safety Data Sheet**

villas@icopal.com.at

1.4 Emergency telephone number

GIZ Erfurt / Notrufnummer +49 (0) 361 73073 0

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

Aquatic Chronic 2; H411

Eye Irrit. 2; H319

Skin Irrit. 2; H315

Skin Sens. 1; H317

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**

GHS07



GHS09

Signal word

Warning

Hazardous component(s) to be indicated on label:reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)
Formaldehyde, polymer with (chloromethyl)oxirane and phenol
oxirane, mono[(C12-14-alkyloxy)methyl] derivs.

Trade name: Villaseal Komponente A (Resin)

Current version : 1.0.0, issued: 21.06.2017

Replaced version: -, issued: -

Region: GB

Hazard statement(s)

H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H411 Toxic to aquatic life with long lasting effects.

Hazard statements (EU)

EUH205 Contains epoxy constituents. May produce an allergic reaction.

Precautionary statement(s)

P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P337+P313 If eye irritation persists: Get medical advice/attention.
P391 Collect spillage.
P501 Dispose of contents/container to a facility in accordance with local and national regulations.

2.3 Other hazards

No data available.

SECTION 3: Composition/information on ingredients**3.1 Substances**

Not applicable. The product is not a substance.

3.2 Mixtures**Hazardous ingredients**

Hazardous ingredients				
No	Substance name		Additional information	
	CAS / EC / Index / REACH no	Classification (EC) 1272/2008 (CLP)	Concentration	%
1	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)			
	25068-38-6 500-033-5 603-074-00-8 01-2119456619-26	Aquatic Chronic 2; H411 Eye Irrit. 2; H319 Skin Irrit. 2; H315 Skin Sens. 1; H317	>= 50.00 - < 75.00	%-b.w.
2	Formaldehyde, polymer with (chloromethyl)oxirane and phenol			
	9003-36-5 500-006-8 - 01-2119454392-40	Aquatic Chronic 2; H411 Skin Irrit. 2; H315 Skin Sens. 1; H317	>= 10.00 - < 20.00	%-b.w.
3	oxirane, mono[(C12-14-alkyloxy)methyl] derivs.			
	68609-97-2 271-846-8 603-103-00-4 01-2119485289-22	Skin Irrit. 2; H315 Skin Sens. 1; H317	>= 10.00 - < 20.00	%-b.w.

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	-	Eye Irrit. 2; H319: C >= 5% Skin Irrit. 2; H315: C >= 5%	-	-

SECTION 4: First aid measures**4.1 Description of first aid measures****General information**

Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing. If the patient is likely to become unconscious, place and transport in stable sideways position. Remove affected person from danger area, lay him down. In case of persisting adverse effects, consult a physician.

Trade name: Villaseal Komponente A (Resin)**Current version :** 1.0.0, issued: 21.06.2017**Replaced version:** -, issued: -**Region:** GB**After inhalation**

Remove affected persons from dangerous area by observing suitable respiratory protection measures. Ensure supply of fresh air. In case of persisting adverse effects consult a physician.

After skin contact

Remove contaminated clothing immediately and dispose of safely. Wash off immediately with soap and water. Don't use solvents. Consult a doctor if skin irritation persists.

After eye contact

Remove contact lenses, irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart and seek medical advice.

After ingestion

Do not induce vomiting. Administer activated charcoal. Never give anything by mouth to an unconscious person. Call in a physician immediately and show him the Safety Data Sheet.

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**

Water spray jet; Foam; Extinguishing powder; Carbon dioxide

Unsuitable extinguishing media

No data available.

5.2 Special hazards arising from the substance or mixture

In the event of fire, the following can be released: Carbon dioxide (CO₂); Carbon monoxide (CO)

5.3 Advice for firefighters

Use self-contained breathing apparatus. Wear protective clothing. Cool endangered containers with water spray jet. Run-off water from fire fighting must not be discharged into drains or enter surface water. Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures****For non-emergency personnel**

Refer to protective measures listed in sections 7 and 8. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Do not inhale vapours.

For emergency responders

No data available. Personal protective equipment (PPE) - see Section 8.

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil.

6.3 Methods and material for containment and cleaning up

Use spark-free tools. Pick up with absorbent material (e.g., sand, kieselguhr, acid binder, universal binder, sawdust). When picked up, treat material as prescribed under heading "Disposal considerations".

6.4 Reference to other sections

No data available.

Trade name: Villaseal Komponente A (Resin)

Current version : 1.0.0, issued: 21.06.2017

Replaced version: -, issued: -

Region: GB

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

Provide good ventilation at the work area (local exhaust ventilation, if necessary). Product inherent handling risks must be minimised taking the appropriate measures for protection and preventive actions. The working process should be designed to rule out the release of hazardous substances or skin contact as far it is possible by the state of the art. Avoid mechanical effects (impact, shock, friction).

General protective and hygiene measures

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Wash hands before breaks and after work. Avoid contact with eyes and skin. Wash soiled clothing immediately. Provide eye wash fountain in work area. Do not inhale vapours.

Advice on protection against fire and explosion

Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air. Keep away from sources of heat and ignition. Take precautionary measures against static charges. Use explosion-proof equipment/fittings and non-sparking tools.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Keep container tightly closed and dry in a cool, well-ventilated place.

Requirements for storage rooms and vessels

Keep only in the original container. Keep container hermetically closed in a dry, cool and well-ventilated place.

Advice on storage assembly

Do not store together with: Oxidizing agents

7.3 Specific end use(s)

No data available.

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	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight \leq 700)			25068-38-6 500-033-5	
	dermal	Long term (chronic)	systemic	8.33	mg/kg/day
	dermal	Short term (acute)	systemic	8.33	mg/kg/day
	inhalative	Long term (chronic)	systemic	12.25	mg/m ³
	inhalative	Short term (acute)	systemic	12.25	mg/m ³
2	Formaldehyde, polymer with (chloromethyl)oxirane and phenol			9003-36-5 500-006-8	
	dermal	Long term (chronic)	systemic	104.15	mg/kg/day
	inhalative	Long term (chronic)	systemic	29.39	mg/m ³
3	oxirane, mono[(C12-14-alkyloxy)methyl] derivs.			68609-97-2 271-846-8	
	dermal	Long term (chronic)	systemic	3.90	mg/kg/day
	dermal	Short term (acute)	systemic	17.00	mg/kg/day
	dermal	Long term (chronic)	local	1.70	mg/cm ²
	dermal	Short term (acute)	local	68.00	mg/cm ²
	inhalative	Long term (chronic)	systemic	13.80	mg/m ³
	inhalative	Short term (acute)	systemic	29.00	mg/m ³
	inhalative	Long term (chronic)	local	0.98	mg/m ³
	inhalative	Short term (acute)	local	9.80	mg/m ³

Trade name: Villaseal Komponente A (Resin)

Current version : 1.0.0, issued: 21.06.2017

Replaced version: -, issued: -

Region: GB

DNEL value (consumer)

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight \leq 700)			25068-38-6 500-033-5	
	oral	Long term (chronic)	systemic	0.75	mg/kg/day
	oral	Short term (acut)	systemic	0.75	mg/kg/day
	dermal	Long term (chronic)	systemic	3.571	mg/kg/day
	dermal	Short term (acut)	systemic	3.571	mg/kg/day
2	Formaldehyde, polymer with (chloromethyl)oxirane and phenol			9003-36-5 500-006-8	
	oral	Long term (chronic)	systemic	6.25	mg/kg/day
	dermal	Long term (chronic)	systemic	62.8	mg/kg/day
3	oxirane, mono[(C12-14-alkyloxy)methyl] derivs.			68609-97-2 271-846-8	
	oral	Long term (chronic)	systemic	1.00	mg/kg/day
	oral	Short term (acut)	systemic	1219.00	mg/kg/day
	dermal	Long term (chronic)	systemic	2.35	mg/kg/day
	dermal	Short term (acut)	systemic	10.00	mg/kg/day
	dermal	Long term (chronic)	local	1.00	mg/cm ²
	dermal	Short term (acut)	local	40.00	mg/cm ²
	inhalative	Long term (chronic)	systemic	4.10	mg/m ³
	inhalative	Short term (acut)	systemic	7.60	mg/m ³
	inhalative	Long term (chronic)	local	1.46	mg/m ³
	inhalative	Short term (acut)	local	2.90	mg/m ³

Trade name: Villaseal Komponente A (Resin)

Current version : 1.0.0, issued: 21.06.2017

Replaced version: -, issued: -

Region: GB

PNEC values

No	Substance name	CAS / EC no
	ecological compartment Type	Value
1	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight \leq 700)	25068-38-6 500-033-5
	water fresh water	0.006 mg/l
	water marine water	0.0006 mg/l
	water Aqua intermittent	0.018 mg/l
	water fresh water sediment	0.996 mg/kg
	with reference to: dry weight	
	water marine water sediment	0.0996 mg/kg
	with reference to: dry weight	
	soil -	0.196 mg/kg
	with reference to: dry weight	
	sewage treatment plant -	10 mg/l
	secondary poisoning -	11 mg/kg
	with reference to: food	
2	Formaldehyde, polymer with (chloromethyl)oxirane and phenol	9003-36-5 500-006-8
	water fresh water	0.003 mg/l
	water marine water	0.0003 mg/l
	water Aqua intermittent	0.0254 mg/l
	water fresh water sediment	0.294 mg/kg dry weight
	water marine water sediment	0.0294 mg/kg dry weight
	soil -	0.237 mg/kg dry weight
	sewage treatment plant -	10 mg/l
3	oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	68609-97-2 271-846-8
	water fresh water	0.0072 mg/l
	water marine water	0.00072 mg/l
	water Aqua intermittent	0.072 mg/l
	water fresh water sediment	66.77 mg/kg
	with reference to: dry weight	
	water marine water sediment	6.677 mg/kg
	with reference to: dry weight	
	soil -	80.12 mg/kg
	with reference to: dry weight	
	sewage treatment plant -	10.00 mg/l

8.2 Exposure controls

Appropriate engineering controls

Ensure adequate ventilation, local exhaust at the work station if necessary.

Personal protective equipment

Respiratory protection

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of aerosol, vapour and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified. DIN EN 141, type AK2

Eye / face protection

Tightly fitting safety glasses (EN 166). Face shield

Trade name: Villaseal Komponente A (Resin)**Current version :** 1.0.0, issued: 21.06.2017**Replaced version:** -, issued: -**Region:** GB**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	PVC
Appropriate Material	rubber
Appropriate Material	viton

Other

Check suitability of protective clothing for the specific workplace conditions. Chemical resistance of the protective equipment should be discussed with the manufacturer of the protective equipment.

Environmental exposure controls

No data available.

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

Form/Colour
liquid
transparent
Odour
typical

Trade name: Villaseal Komponente A (Resin)

Current version : 1.0.0, issued: 21.06.2017

Replaced version: -, issued: -

Region: GB

Odour threshold			
No data available			
pH value			
No data available			
Boiling point / boiling range			
No data available			
Melting point / melting range			
No data available			
Decomposition point / decomposition range			
No data available			
Flash point			
No data available			
Auto-ignition temperature			
No data available			
Oxidising properties			
No data available			
Explosive properties			
No data available			
Flammability (solid, gas)			
No data available			
Lower flammability or explosive limits			
No data available			
Upper flammability or explosive limits			
No data available			
Vapour pressure			
No data available			
Vapour density			
No data available			
Evaporation rate			
No data available			
Relative density			
No data available			
Density			
Value	1.16	g/cm³	
Reference temperature	23	°C	
Solubility in water			
Remarks	insoluble		
Solubility(ies)			
No data available			
Partition coefficient: n-octanol/water			
No	Substance name	CAS no.	EC no.
1	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)	25068-38-6	500-033-5
log Pow	>=	2.981	
Reference temperature		25	°C
Method	OECD 117		
Source	ECHA		

Trade name: Villaseal Komponente A (Resin)

Current version : 1.0.0, issued: 21.06.2017

Replaced version: -, issued: -

Region: GB

Viscosity			
Value	800	- 1200	mPa*s
Reference temperature		23	°C

9.2 Other information

Other information
No data available.

SECTION 10: Stability and reactivity**10.1 Reactivity**

Dangerous reactions are not expected if the product is handled according to its intended use.

10.2 Chemical stability

Stable under recommended storage and handling conditions (See section 7).

10.3 Possibility of hazardous reactions

Dangerous reactions are not to be expected when handling product according to its intended use.

10.4 Conditions to avoid

None, if handled according to intended use.

10.5 Incompatible materials

Oxidizing agents

10.6 Hazardous decomposition products

In case of fire: see section 5.

SECTION 11: Toxicological information**11.1 Information on toxicological effects**

Acute oral toxicity			
No	Substance name	CAS no.	EC no.
1	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)	25068-38-6	500-033-5
LD50	> 2000 mg/kg bodyweight		
Species	rat		
Method	OECD 420		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2	Formaldehyde, polymer with (chloromethyl)oxirane and phenol	9003-36-5	500-006-8
LD50	> 5000 mg/kg bodyweight		
Species	rat		
Method	OECD 401		
Source	ECHA		

Trade name: Villaseal Komponente A (Resin)

Current version : 1.0.0, issued: 21.06.2017

Replaced version: -, issued: -

Region: GB

Acute dermal toxicity			
No	Substance name	CAS no.	EC no.
1	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)	25068-38-6	500-033-5
LD50		> 2000	mg/kg bodyweight
Species		rat	
Method		OECD 402	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
2	Formaldehyde, polymer with (chloromethyl)oxirane and phenol	9003-36-5	500-006-8
LD50		> 2000	mg/kg bodyweight
Species		rat	
Method		OECD 402	
Source		ECHA	
Acute inhalational toxicity			
No data available			
Skin corrosion/irritation			
No	Substance name	CAS no.	EC no.
1	Formaldehyde, polymer with (chloromethyl)oxirane and phenol	9003-36-5	500-006-8
Species		rabbit	
Method		OECD 404	
Source		ECHA	
Evaluation		low-irritant	
Evaluation/classification		Based on available data, the classification criteria are met.	
Serious eye damage/irritation			
No	Substance name	CAS no.	EC no.
1	Formaldehyde, polymer with (chloromethyl)oxirane and phenol	9003-36-5	500-006-8
Species		rabbit	
Method		OECD 405	
Source		ECHA	
Evaluation		non-irritant	
Respiratory or skin sensitisation			
No	Substance name	CAS no.	EC no.
1	Formaldehyde, polymer with (chloromethyl)oxirane and phenol	9003-36-5	500-006-8
Route of exposure		Skin	
Species		mouse	
Method		OECD 429	
Source		ECHA	
Evaluation		sensitizing	

Trade name: Villaseal Komponente A (Resin)

Current version : 1.0.0, issued: 21.06.2017

Replaced version: -, issued: -

Region: GB

Germ cell mutagenicity			
No data available			
Reproduction toxicity			
No data available			
Carcinogenicity			
No data available			
STOT-single exposure			
No data available			
STOT-repeated exposure			
No	Substance name	CAS no.	EC no.
1	Formaldehyde, polymer with (chloromethyl)oxirane and phenol	9003-36-5	500-006-8
Route of exposure		oral	
NOAEL		appr.	250
Duration of exposure		90	mg/kg bw/d
Species		day(s)	
Method		rats (male/female)	
Source		OECD 408	
		ECHA	
Aspiration hazard			
No data available			

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish (acute)			
No	Substance name	CAS no.	EC no.
1	Formaldehyde, polymer with (chloromethyl)oxirane and phenol	9003-36-5	500-006-8
LC50	>	1000	mg/l
Duration of exposure		96	h
Species	Oncorhynchus mykiss		
Method	OECD 203		
Source	ECHA		
Toxicity to fish (chronic)			
No data available			
Toxicity to Daphnia (acute)			
No	Substance name	CAS no.	EC no.
1	Formaldehyde, polymer with (chloromethyl)oxirane and phenol	9003-36-5	500-006-8
EL50	>	1000	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		

Trade name: Villaseal Komponente A (Resin)

Current version : 1.0.0, issued: 21.06.2017

Replaced version: -, issued: -

Region: GB

Toxicity to Daphnia (chronic)			
No	Substance name	CAS no.	EC no.
1	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)	25068-38-6	500-033-5
NOEC		0.3	mg/l
Duration of exposure		21	day(s)
Species		Daphnia magna	
Method		OECD 211	
Source		ECHA	
2	Formaldehyde, polymer with (chloromethyl)oxirane and phenol	9003-36-5	500-006-8
NOEC		0.3	mg/l
Duration of exposure		21	day(s)
Species		Daphnia magna	
Method		OECD 211	
Source		ECHA	

Toxicity to algae (acute)			
No	Substance name	CAS no.	EC no.
1	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)	25068-38-6	500-033-5
EC50		9.4	mg/l
Duration of exposure		72	h
Species		Scenedesmus capricornutum	
Method		EPA-660/3-75-009	
Source		ECHA	
2	Formaldehyde, polymer with (chloromethyl)oxirane and phenol	9003-36-5	500-006-8
EC50		> 1.8	mg/l
Duration of exposure		72	h
Species		Pseudokirchneriella subcapitata	
Method		OECD 201	
Source		ECHA	

Toxicity to algae (chronic)			
No data available			

Bacteria toxicity			
No	Substance name	CAS no.	EC no.
1	Formaldehyde, polymer with (chloromethyl)oxirane and phenol	9003-36-5	500-006-8
IC50		100	mg/l
Duration of exposure		3	h
Species		activated sludge	
Source		ECHA	

12.2 Persistence and degradability

Biodegradability			
No	Substance name	CAS no.	EC no.
1	Formaldehyde, polymer with (chloromethyl)oxirane and phenol	9003-36-5	500-006-8
Type		aerobic biodegradation	
Value		appr. 0	%
Duration		28	day(s)
Method		Closed Bottle Test (OECD 301D)	
Source		ECHA	
Evaluation		not readily biodegradable	

Trade name: Villaseal Komponente A (Resin)

Current version : 1.0.0, issued: 21.06.2017

Replaced version: -, issued: -

Region: GB

12.3 Bioaccumulative potential

Bioconcentration factor (BCF)			
No	Substance name	CAS no.	EC no.
1	Formaldehyde, polymer with (chloromethyl)oxirane and phenol	9003-36-5	500-006-8
BCF		150	
Method		QSAR	
Source		ECHA	
Partition coefficient: n-octanol/water			
No	Substance name	CAS no.	EC no.
1	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)	25068-38-6	500-033-5
log Pow		≥	2.981
Reference temperature			25 °C
Method		OECD 117	
Source		ECHA	

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Other adverse effects

No data available.

12.7 Other information

Other information
Do not discharge product unmonitored into the environment.

SECTION 13: Disposal considerations**13.1 Waste treatment methods****Product**

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 unhardened product

Waste code 08 04 09* waste adhesives and sealants containing organic solvents or other hazardous substances

Disposal of the hardened product

Waste code 08 04 10 waste adhesives and sealants other than those mentioned in 08 04 09

Packaging

Residuals 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.

Trade name: Villaseal Komponente A (Resin)**Current version :** 1.0.0, issued: 21.06.2017**Replaced version:** -, issued: -**Region:** GB**SECTION 14: Transport information****14.1 Transport ADR/RID/ADN**

Class	9
Classification code	M6
Packing group	III
Hazard identification no.	90
UN number	UN3082
Technical name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Danger releasing substance	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight \leq 700)
Tunnel restriction code	E
Label	9
Environmentally hazardous substance mark	Symbol "fish and tree"

14.2 Transport IMDG

Class	9
Packing group	III
UN number	UN3082
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Danger releasing substance	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight \leq 700)
EmS	F-A+S-F
Label	9
Marine pollutant mark	Symbol "fish and tree"

14.3 Transport ICAO-TI / IATA

Class	9
Packing group	III
UN number	UN3082
Proper shipping name	Environmentally hazardous substance, liquid, n.o.s.
Danger releasing substance	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight \leq 700)
Label	9
Environmentally hazardous substance mark	Symbol "fish and tree"

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

No data available.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not relevant

Trade name: Villaseal Komponente A (Resin)

Current version : 1.0.0, issued: 21.06.2017

Replaced version: -, issued: -

Region: GB

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, PREPARATIONS AND ARTICLES

The product is considered being subject to REACH regulation (EC) 1907/2006 annexe XVII.

No 3

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:

E2

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.

EC Directives 2000/39/EC, 2006/15/EC, 2009/161/EU

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.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding chapter.

Department issuing safety data sheet

UMCO GmbH

Georg-Wilhelm-Str. 187, D-21107 Hamburg

Tel.: +49 40 / 555 546 300 Fax: +49 40 / 555 546 357 e-mail: umco@umco.de

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.

Document protected by copyright. Alterations or reproductions require the express written permission of UMCO GmbH.

Prod-ID 724626