according to Regulation (EC) No. 1907/2006



Commercial Product Name: ALEXSEAL P3002-Super Build 302

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Version 3

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

1.1 Product identifier

Trade name : ALEXSEAL P3002-Super Build 302 910S cream

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

Use of the Sub-: Industrial serial painting

stance/Mixture

1.3 Details of the supplier of the safety data sheet

Producer : Mankiewicz Gebr. & Co. (GmbH & Co. KG)

Georg-Wilhelm-Strasse 189

21107 Hamburg Germany

Telephone +49 (0) 40 75103 0 Telefax +49 (0) 40 75103 375 E-mail address of person sdb\_info@umco.de

responsible for the SDS

1.4 Emergency telephone number

Emergency telephone num-+44 1235 239670 (Carechem International)

ber

## **SECTION 2: Hazards identification**

## 2.1 Classification of the substance or mixture

#### Classification (REGULATION (EC) No 1272/2008)

Flammable liquids, Category 2 H225: Highly flammable liquid and vapour.

Skin irritation, Category 2 H315: Causes skin irritation.

Eye irritation, Category 2 H319: Causes serious eye irritation.

Skin sensitisation, Category 1 H317: May cause an allergic skin reaction.

Reproductive toxicity, Category 2 H361d: Suspected of damaging the unborn child.

Long-term (chronic) aquatic hazard, Cat-

egory 2

H411: Toxic to aquatic life with long lasting effects.

### 2.2 Label elements

#### Labelling (REGULATION (EC) No 1272/2008)

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Hazard pictograms









Signal word Danger

Highly flammable liquid and vapour. Hazard statements H225

> H315 Causes skin irritation.

H317 May cause an allergic skin reaction. Causes serious eye irritation. H319

H361d Suspected of damaging the unborn child. H411 Toxic to aquatic life with long lasting effects.

Prevention: Precautionary statements

> P201 Obtain special instructions before use.

P210 Keep away from heat, hot surfaces, sparks, open

flames and other ignition sources. No smoking. P273 Avoid release to the environment.

Wear protective gloves/ protective clothing/ eye protec-

tion/ face protection/ hearing protection.

Response:

P370 + P378 In case of fire: Use dry sand, dry chemical or

alcohol-resistant foam to extinguish.

P391 Collect spillage.

#### Hazardous components which must be listed on the label:

reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700)

toluene

[[(2-ethylhexyl)oxy]methyl]oxirane

#### Additional Labelling

Warning! Hazardous respirable droplets may be formed when sprayed. Do not **EUH211** 

breathe spray or mist.

## 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

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# **SECTION 3: Composition/information on ingredients**

# 3.2 Mixtures

Chemical nature Mixture of synthetic resins, organic solvents and pigments

Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
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	Skin Irrit. 2; H315 Eye Irrit. 2; H319 Skin Sens. 1; H317 Aquatic Chronic 2; H411  specific concentration limit Eye Irrit. 2; H319 >= 5 % Skin Irrit. 2; H315 >= 5 % STOT RE 2; H319 >= 5 % Skin Irrit. 2; H315 >= 5 %	>= 30 - < 50
toluene	108-88-3 203-625-9 601-021-00-3 01-2119471310-51	Flam. Liq. 2; H225 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Repr. 2; H361d STOT SE 3; H336 (Central nervous system) STOT RE 2; H373 Asp. Tox. 1; H304 Aquatic Chronic 3; H412	>= 3 - < 10
[[(2-ethylhexyl)oxy]methyl]oxirane	2461-15-6 219-553-6	Skin Sens. 1; H317	>= 1 - < 10
4-methylpentan-2-one	108-10-1 203-550-1 606-004-00-4 01-2119473980-30	Flam. Liq. 2; H225 Acute Tox. 4; H332 Eye Irrit. 2; H319 STOT SE 3; H335 (Respiratory system) EUH066	>= 1 - < 10
n-butyl acetate	123-86-4 204-658-1 607-025-00-1 01-2119485493-29	Flam. Liq. 3; H226 STOT SE 3; H336 (Central nervous system)	>= 1 - < 10

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**EUH066** 

For explanation of abbreviations see section 16.

#### **SECTION 4: First aid measures**

#### 4.1 Description of first aid measures

General advice In all cases of doubt, or when sickness symptoms persist,

seek medica lattention.

Never give anything by mouth to an unconscious person.

If inhaled Remove to fresh air, keep patient warm and at rest.

> Irregular breathing/no breathing: artificial respiration. If unconscious place in recovery position and seek medical

advice.

In case of skin contact Take off all contaminated clothing immediately.

Wash skin thoroughly with soap and water or use recognised

skin cleanser.

Do NOT use solvents or thinners!

In case of eye contact Remove contact lenses, irrigate copiously with clean, fresh

water for at least 10 minutes, holding the eyelids apart and

seek medical advice.

If swallowed Do NOT induce vomiting.

> If accidentally swallowed obtain immediate medical attention. Never give anything by mouth to an unconscious person.

Keep at rest.

#### 4.2 Most important symptoms and effects, both acute and delayed

Risks Causes skin irritation.

May cause an allergic skin reaction.

Causes serious eye irritation.

Suspected of damaging the unborn child.

#### 4.3 Indication of any immediate medical attention and special treatment needed

## **SECTION 5: Firefighting measures**

## 5.1 Extinguishing media

Alcohol resistant foam, CO2, powders Suitable extinguishing media :

Unsuitable extinguishing

media

High volume water jet

## 5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-

fighting

Fire will produce dense black smoke. Exposure to decomposi-

tion products may cause a health hazard.

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#### 5.3 Advice for firefighters

Special protective equipment :

for firefighters

Appropriate breathing apparatus may be required.

Further information Cool endangered containers with water in case of fire.

DO NOT ALLOW RUN-OFF FROM FIRE FIGHTING TO

ENTER DRAINS OR WATER COURSES!!

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

## 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions Exclude sources of ignition and ventilate the area.

Do not inhale vapours.

Refer to protective measures listed in sections 7 and 8.

#### 6.2 Environmental precautions

Environmental precautions Do not let product enter drains.

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

Methods for 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 regula-

tions (see chapter 13).

Clean preferably with a detergent; avoid use of solvents.

#### 6.4 Reference to other sections

For personal protection see section 8.

### **SECTION 7: Handling and storage**

### 7.1 Precautions for safe handling

Advice on safe handling Prevent the creation of flammable or explosive concentrations

of vapour in air and avoid vapour concentrations higher than

the occupational exposure limits.

Comply with the health and safety at work laws.

Smoking, eating and drinking should be prohibited in the ap-

plication area.

Observe specific national regulations for handling and use of

paints.

Advice on protection against

fire and explosion

The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use earthing leads whentransferring from one container to another. Operators should wear anti-static footwear and clothing. No sparking tools should be used. Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air.

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 DE34 2003 0000 0059 2733 00
 Grau Gebr. Beteiligungs-GmbH

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 PBNKDEFF200
 DE85 2001 0020 0000 3732 05
 Sitz/Registergericht Hamburg: HRB 17189

 Geschlätsthrender Gesellschafter:
 Michael C. Grau



according to Regulation (EC) No. 1907/2006



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## 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers

Electrical equipment should be protected to the appropriate standard. Floors should be of the conducting type. Keep container tightly closed. Never use pressure to empty: container isnot a pressure vessel. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Further information on stor-

age conditions

Always keep in containers of same material as the original one. See also instructions on the label. Avoid heating and direct sunlight. Keep container dry in a cool, well-ventilated place.

Keep away from oxidizing agents and strongly acid or alkaline

materials.

Recommended storage tem-

Advice on common storage

perature

5 - 35 °C

7.3 Specific end use(s)

Specific use(s) This information is not available.

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

## 8.1 Control parameters

## **Occupational Exposure Limits**

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
toluene	108-88-3	TWA	50 ppm	2006/15/EC
			192 mg/m3	
	Further inform	ation: Indicative, Ide	ntifies the possibility of signif	ficant uptake
	through the sl	kin		-
		STEL	100 ppm	2006/15/EC
			384 mg/m3	
	Further inform	ation: Indicative, Ide	ntifies the possibility of signif	ficant uptake
	through the sl	kin	, , ,	·
		TWA	50 ppm	GB EH40
			191 mg/m3	
	Further information: Can be absorbed through the skin. The assigned sub-			
	stances are those for which there are concerns that dermal absorption will			
	lead to systen	nic toxicity.		
		STEL	100 ppm	GB EH40
			384 mg/m3	
	Further information: Can be absorbed through the skin. The assigned sub-			
	stances are those for which there are concerns that dermal absorption will			
	lead to systen	nic toxicity.		
4-methylpentan-2-	108-10-1	TWA	20 ppm	2000/39/EC
one			83 mg/m3	
	Further information: Indicative			

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		STEL	50 ppm 208 mg/m3	2000/39/EC
	Further infor	mation: Indicative		•
		TWA	50 ppm 208 mg/m3	GB EH40
		those for which there	rbed through the skin. The as are concerns that dermal ab	
		STEL	100 ppm 416 mg/m3	GB EH40
		those for which there	rbed through the skin. The as are concerns that dermal ab	
n-butyl acetate	123-86-4	TWA	150 ppm 724 mg/m3	GB EH40
		STEL	200 ppm 966 mg/m3	GB EH40
		STEL	150 ppm 723 mg/m3	2019/1831/E U
	Further infor	mation: Indicative	-	
		TWA	50 ppm 241 mg/m3	2019/1831/E U
	Further infor	mation: Indicative		

## **Biological occupational exposure limits**

Substance name	CAS-No.	Control parameters	Sampling time	Basis
4-methylpentan-2-one	108-10-1	4-methylpentan-2- one: 20 micromol per litre (Urine)	After shift	GB EH40 BAT

# Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Substance name	End Use	Exposure routes	Potential health effects	Value
toluene	Workers	Inhalation	Long-term systemic effects	192 mg/m3
	Workers	Dermal	Long-term systemic effects	384 mg/kg bw/day
	Consumers	Inhalation	Long-term systemic effects	56.5 mg/m3
	Consumers	Dermal	Long-term systemic effects	226 mg/kg bw/day
	Consumers	Oral	Long-term systemic effects	8.13 mg/kg bw/day
4-methylpentan-2-one	Workers	Inhalation	Long-term systemic effects	83 mg/m3
	Workers	Dermal	Long-term systemic effects	11.8 mg/kg bw/day
	Consumers	Inhalation	Long-term systemic effects	14.7 mg/m3
	Consumers	Dermal	Long-term systemic effects	4.2 mg/kg bw/day
	Consumers	Oral	Long-term systemic effects	4.2 mg/kg bw/day

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n-butyl acetate	Workers	Inhalation	Long-term systemic effects	300 mg/m3
	Workers	Dermal	Long-term systemic effects	11 mg/kg bw/day
	Consumers	Inhalation	Long-term systemic effects	35.7 mg/m3
	Consumers	Dermal	Long-term systemic effects	6 mg/kg bw/day
	Consumers	Oral	Long-term systemic effects	2 mg/kg bw/day
toluene	Workers	Inhalation	Long-term systemic effects	192 mg/m3
	Workers	Dermal	Long-term systemic effects	384 mg/kg bw/day
	Consumers	Inhalation	Long-term systemic effects	56.5 mg/m3
	Consumers	Dermal	Long-term systemic effects	226 mg/kg bw/day
	Consumers	Oral	Long-term systemic effects	8.13 mg/kg bw/day
4-methylpentan-2-one	Workers	Inhalation	Long-term systemic effects	83 mg/m3
	Workers	Dermal	Long-term systemic effects	11.8 mg/kg bw/day
	Consumers	Inhalation	Long-term systemic effects	14.7 mg/m3
	Consumers	Dermal	Long-term systemic effects	4.2 mg/kg bw/day
	Consumers	Oral	Long-term systemic effects	4.2 mg/kg bw/day
n-butyl acetate	Workers	Inhalation	Long-term systemic effects	300 mg/m3
	Workers	Dermal	Long-term systemic effects	11 mg/kg bw/day
	Consumers	Inhalation	Long-term systemic effects	35.7 mg/m3
	Consumers	Dermal	Long-term systemic effects	6 mg/kg bw/day
	Consumers	Oral	Long-term systemic effects	2 mg/kg bw/day

### Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Substance name	Environmental Compartment	Value
toluene	Fresh water	0.68 mg/l
	Marine water	0.68 mg/l
	Sewage treatment plant	13.61 mg/l
	Fresh water sediment	16.39 mg/kg dry weight (d.w.)
	Marine sediment	16.39 mg/kg dry weight (d.w.)
	Soil	2.89 mg/kg dry weight (d.w.)
4-methylpentan-2-one	Fresh water	0.6 mg/l
	Marine water	0.06 mg/l

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	Fresh water sediment	8.27 mg/kg dry weight (d.w.)
	Marine sediment	0.83 mg/kg dry
	Sewage treatment plant	weight (d.w.) 27.5 mg/l
	Soil	1.3 mg/kg dry weight (d.w.)
n-butyl acetate	Fresh water	0.18 mg/l
	Marine water	0.0018 mg/l
	Fresh water sediment	0.981 mg/kg dry weight (d.w.)
	Marine sediment	0.098 mg/kg dry weight (d.w.)
	Sewage treatment plant	35.6 mg/l
	Soil	0.09 mg/kg dry weight (d.w.)
toluene	Fresh water	0.68 mg/l
	Marine water	0.68 mg/l
	Sewage treatment plant	13.61 mg/l
	Fresh water sediment	16.39 mg/kg dry weight (d.w.)
	Marine sediment	16.39 mg/kg dry weight (d.w.)
	Soil	2.89 mg/kg dry weight (d.w.)
4-methylpentan-2-one	Fresh water	0.6 mg/l
,	Marine water	0.06 mg/l
	Fresh water sediment	8.27 mg/kg dry weight (d.w.)
	Marine sediment	0.83 mg/kg dry weight (d.w.)
	Sewage treatment plant	27.5 mg/l
	Soil	1.3 mg/kg dry weight (d.w.)
n-butyl acetate	Fresh water	0.18 mg/l
	Marine water	0.0018 mg/l
	Fresh water sediment	0.981 mg/kg dry weight (d.w.)
	Marine sediment	0.098 mg/kg dry weight (d.w.)
	Sewage treatment plant	35.6 mg/l
	Soil	0.09 mg/kg dry weight (d.w.)

## 8.2 Exposure controls

#### **Engineering measures**

Provide adequate 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 aerosol- and solvent vapours concentration below the OEL, suitable respiratory protection must be worn.

## Personal protective equipment

Eye protection Wear safety goggles to protect against solvent splashes.





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Hand protection

Remarks

Adhere to the professional organisation rule "Use of protective gloves". Appropriate chemicals resistant glove tested in compliance with EN 374.

Recommendation for protection against components generally found in the products:

For short-term contact (i.e. splash protection):

Appropriate material: nitrile rubber, Neoprene

Material thickness: > 0.4 mmBreakthrough time: > 480 min

Before use, the protective glove 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. Preventive hand protection (skin protection cream) recommended. Wash immediately contaminated skin. Design operations thus to avoid permanent use of protective gloves.

Skin and body protection

Depending on the probability of the occurrence of dangerously explosive atmospheres, adapted protective clothing must be worn.

Respiratory protection

If workers are exposed to concentrations above the exposure limit they must use appropriate, certified respirators. Use half-mask model with cartridge or air-fed.

Dry grinding, torch cutting and/or welding however can produce hazardous dust and/or vapour.

If possible, machine employing a wet medium.

Where practicable, install exhaust hoods to improve capture of vapours and fumes and avoid exposition; otherwise wear res-

piratory protection equipment.

Protective measures

Do not eat or drink during work - no smoking. Avoid product contact with skin, eyes and clothing. Avoid the inhalation of dust from sanding, particulates and spray mist arising from the application of this preparation. 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 until such time as the particulates and solvent vapour concentration has fallen below the exposure limits.

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

### 9.1 Information on basic physical and chemical properties

Physical state liquid

Colour according product name

Odour characteristic

Boiling point/boiling range ca. 120 °C

Upper explosion limit 10 %(V)

Lower explosion limit 1 %(V)

Flash point 22.5 °C

Method: ISO 13736

Auto-ignition temperature > 400 °C

рΗ

Viscosity

Flow time 61 - 90 s

Cross section: 4 mm Method: DIN 53211

41 s

Cross section: 6 mm Method: ISO 2431

Solubility(ies)

Water solubility insoluble

Vapour pressure ca. 100 hPa (50 °C)

1.46 g/cm3 (20 °C) Density

9.2 Other information

Miscibility with water immiscible

Solvent separation < 3%(V)

## **SECTION 10: Stability and reactivity**

## 10.1 Reactivity

No decomposition if stored and applied as directed.

### 10.2 Chemical stability

Stable under normal conditions.

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### 10.3 Possibility of hazardous reactions

Hazardous reactions No dangerous reaction known under conditions of normal use.

There are no data available on the preparation itself.

10.4 Conditions to avoid

Conditions to avoid Stable under recommended storage and handling conditions

(See section 7).

10.5 Incompatible materials

Materials to avoid Keep away from oxidizing agents, strongly alkaline and

strongly acid materials in order to avoid exothermic reactions.

#### 10.6 Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

## **SECTION 11: Toxicological information**

## 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

### **Acute toxicity**

Not classified based on available information.

**Product:** 

Acute inhalation toxicity Acute toxicity estimate: > 20 mg/l

> Exposure time: 4 h Test atmosphere: vapour Method: Calculation method

**Components:** 

4-methylpentan-2-one:

Acute oral toxicity LD50 (Rat): 2,080 mg/kg

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/eye irritation

Causes serious eye irritation.

Components:

4-methylpentan-2-one:

**Species** Rabbit

Method **OECD Test Guideline 405** Result Moderate eye irritation

## Respiratory or skin sensitisation

## Skin sensitisation

May cause an allergic skin reaction.

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#### Respiratory sensitisation

Not classified based on available information.

#### Germ cell mutagenicity

Not classified based on available information.

### Carcinogenicity

Not classified based on available information.

#### Reproductive toxicity

Suspected of damaging the unborn child.

## STOT - single exposure

Not classified based on available information.

#### STOT - repeated exposure

Not classified based on available information.

#### **Aspiration toxicity**

Not classified based on available information.

#### 11.2 Information on other hazards

### **Endocrine disrupting properties**

#### **Product:**

Assessment The substance/mixture does not contain components consid-

ered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at

levels of 0.1% or higher.

### **Further information**

#### **Product:**

Remarks Exposure of vapour concentration in excess of the stated

> OEL's 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 extrem cases, loss of con-

sciousness.

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in nonallergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and re-

versible damage.

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## **SECTION 12: Ecological information**

## 12.1 Toxicity

### **Product:**

#### **Ecotoxicology Assessment**

Acute aquatic toxicity There are no data available on the preparation itself.

## **Components:**

reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular

weight ≤ 700):

LC50 (Fish): 1.3 mg/l Toxicity to fish

Exposure time: 96 h

Method: OECD Test Guideline 203

Toxicity to daphnia and other :

aquatic invertebrates

EC50 (Daphnia (water flea)): 2.1 mg/l

Exposure time: 48 h

Method: OECD Test Guideline 202

### 12.2 Persistence and degradability

**Product:** 

Biodegradability Remarks: There are no data available on the preparation it-

self.

### 12.3 Bioaccumulative potential

**Product:** 

Remarks: There are no data available on the preparation it-Bioaccumulation

self.

## 12.4 Mobility in soil

**Product:** 

Mobility Remarks: There are no data available on the preparation it-

#### 12.5 Results of PBT and vPvB assessment

#### Product:

Assessment This substance/mixture contains no components considered

> to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of

0.1% or higher.

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of

0.1% or higher.

according to Regulation (EC) No. 1907/2006



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#### 12.6 Endocrine disrupting properties

**Product:** 

Assessment The substance/mixture does not contain components consid-

> ered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at

levels of 0.1% or higher.

12.7 Other adverse effects

**Product:** 

Additional ecological infor-

mation

There are no data available on the preparation itself.

The product should not be allowed to enter drains or water

courses.

## **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.

Contaminated packaging Contaminated packaging should be emptied as far as possible

and after appropriate cleansing may be taken for reuse. Packaging that cannot be cleaned should be disposed off in

agreement with the regional waste disposal company.

Waste key for the unused

product

waste paint and varnish containing organic

solvents or other hazardous substances

## **SECTION 14: Transport information**

## 14.1 UN number or ID number

**ADR** UN 1263 **IMDG** UN 1263 IATA UN 1263

14.2 UN proper shipping name

**ADR PAINT IMDG PAINT** 

(reaction product: bisphenol-A-(epichlorhydrin) and epoxy

resin (number average molecular weight <= 700))

according to Regulation (EC) No. 1907/2006



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IATA **PAINT** 

14.3 Transport hazard class(es)

**ADR** 3 **IMDG** 3 **IATA** 3

14.4 Packing group

**ADR** 

Packing group Ш Classification Code F1 Hazard Identification Number 30 Labels 3 Tunnel restriction code (E)

Remarks If transported within the user's premises: To be transported

> always in closed, upright and safe containers. Make sure that persons handling these containers are aware of the rules of

conduct in case of incident or spillage.

**IMDG** 

Packing group Ш Labels 3 **EmS Code** <u>F-E</u>, <u>S-E</u>

IATA (Cargo)

Packing instruction (cargo 366

aircraft)

Packing group Ш

Labels Flammable Liquids

IATA (Passenger)

Packing instruction (passen-355

ger aircraft)

Packing instruction (LQ) Y344 Packing group Ш

Flammable Liquids Labels

14.5 Environmental hazards

Environmentally hazardous yes

**IMDG** 

Marine pollutant : yes

14.6 Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

#### 14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

according to Regulation (EC) No. 1907/2006



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## **SECTION 15: Regulatory information**

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

Relevant EU provisions transposed through retained EU law

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances. preparations and articles (Annex XVII)

Conditions of restriction for the following entries should be considered: Number on list 3

toluene (Number on list 48)

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII)

Conditions of restriction for the following entries should be considered: Number on list 3

toluene (Number on list 48)

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).

Not applicable

UK REACH List of substances subject to authorisation (Annex XIV)

Not applicable

Volatile organic compounds

Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control) Volatile organic compounds (VOC) content: 13.38 %, 195 g/l

VOC content excluding water

### 15.2 Chemical safety assessment

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

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

## **Full text of H-Statements**

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

May be fatal if swallowed and enters airways. H304

H315 Causes skin irritation.

H317 May cause an allergic skin reaction. H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness. H361d Suspected of damaging the unborn child.

H373 May cause damage to organs through prolonged or repeated

exposure if inhaled.

H411 Toxic to aquatic life with long lasting effects.

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Mankiewicz Gebr. & Co. (GmbH & Co. KG) Bank Name

 Bank Name
 Ort
 Kto-Nr.
 BLZ
 BIC
 IBAN
 Sitz/Registergenoni Prediction

 Deutsche Bank
 Hamburg
 600227300
 200 700 0
 DEUTDEHHDXX
 DE58 2007 0000 0600 2273 0
 Persönlich haftende Gesellschafterin:

 HypoVereinsbank
 Hamburg
 39273300
 200 300 0
 HYVEDEMM300
 DE34 2003 0000 0059 2733 00
 Grau Gebr. Beteiligungs-GmbH

 Postbank
 Hamburg
 373205
 200 100 20
 PBNKDEFF200
 DE85 2001 0020 0000 3732 05
 Sitz/Registergenon; Hamburgs-manual-presidenting-mbH

 Geschäftsführender Gesellschafter:
 Michael O, Grau

ISO 9001



according to Regulation (EC) No. 1907/2006



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H412 Harmful to aquatic life with long lasting effects.

**EUH066** Repeated exposure may cause skin dryness or cracking.

#### Full text of other abbreviations

Acute Tox. Acute toxicity

Aquatic Chronic Long-term (chronic) aquatic hazard

Asp. Tox. Aspiration hazard Eve Irrit. Eve irritation Flam. Liq. Flammable liquids Repr. Reproductive toxicity

Skin Irrit. Skin irritation Skin sensitisation Skin Sens.

STOT RE Specific target organ toxicity - repeated exposure Specific target organ toxicity - single exposure STOT SE

Europe. Commission Directive 2000/39/EC establishing a first 2000/39/EC

list of indicative occupational exposure limit values

2006/15/EC Europe. Indicative occupational exposure limit values 2019/1831/EU Europe, Commission Directive 2019/1831/EU establishing a

fifth list of indicative occupational exposure limit values

GB EH40 UK. EH40 WEL - Workplace Exposure Limits GB EH40 BAT UK. Biological monitoring guidance values

Limit Value - eight hours 2000/39/EC / TWA 2000/39/EC / STEL Short term exposure limit 2006/15/EC / TWA Limit Value - eight hours Short term exposure limit 2006/15/EC / STEL Limit Value - eight hours 2019/1831/EU / TWA 2019/1831/EU / STEL Short term exposure limit

GB EH40 / TWA Long-term exposure limit (8-hour TWA reference period) GB EH40 / STEL Short-term exposure limit (15-minute reference period)

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN -Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS -Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP -Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization: KECI - Korea Existing Chemicals Inventory: LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL -International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quanti-

according to Regulation (EC) No. 1907/2006



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tative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TECI -Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

#### **Further information**

Other information

The information given in this material safety data sheet does not release the user from its duty of risk assessment and control in the work place defined in other health and safety law. Adhere to the national sanitary and occupational safety regulations when using this product.

#### Classification of the mixture:

#### Classification procedure:

Flam. Liq. 2	H225	Based on product data or assessment
Skin Irrit. 2	H315	Calculation method
Eye Irrit. 2	H319	Calculation method
Skin Sens. 1	H317	Calculation method
Repr. 2	H361d	Calculation method
Aquatic Chronic 2	H411	Calculation method

#### Department issuing safety data sheet

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GB / EN