

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 26.07.2017

Version number 1

Revision: 26.07.2017

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

· **1.1 Product identifier**

· **Trade name:** **ROMPOX 1505 Comp. A**

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

No further relevant information available.

· **Application of the substance / the mixture** Binder

· **1.3 Details of the supplier of the safety data sheet**

· **Manufacturer/Supplier:**

ROMEX Produktions GmbH

Mühlgrabenstraße 19

D-53340 Meckenheim

Tel.: 0049 (0)2225-7032820

Fax: 0049 (0)2225-7032828

email: info@romex-rpg.de

· **Informing department:** Product Safety Department

· **1.4 Emergency telephone number:**

Giftnotrufzentrale BONN

Tel.: 0049(0)228-19240

gizbn@mailen.meb.uni-bonn.de

www.meb.uni-bonn.de/giftrufzentrale/

National Poisons Information Service (Birmingham Unit)

+44 121 507 4123

SECTION 2: Hazards identification

· **2.1 Classification of the substance or mixture**

· **Classification according to Regulation (EC) No 1272/2008**

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

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 CLP regulation.

· **Hazard pictograms**



GHS07 GHS09

· **Signal word** Warning

· **Hazard-determining components of labelling:**

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

reaction product: bisphenol-F-(epichlorhydrin)

oxirane, mono[(C12-14-alkyloxy)methyl] derivs

Hexanedioldiglycidyl ether

· **Hazard statements**

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H411 Toxic to aquatic life with long lasting effects.

· **Precautionary statements**

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P273 Avoid release to the environment.

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- 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.
- P321 Specific treatment (see on this label).
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

- **3.2 Chemical characterisation: Mixtures**
- **Description:** Mixture of the substances listed below with harmless additions.

· **Dangerous components:**

CAS: 25068-38-6 NLP: 500-033-5 Index number: 603-074-00-8 Reg.nr.: 01-2119456619-26-xxxx	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700) ⚠ Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	50-100%
CAS: 28064-14-4 EC number: 608-164-0 Reg.nr.: 01-2119454392-40-xxxx	reaction product: bisphenol-F-(epichlorhydrin) ⚠ Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	10-25%
CAS: 68609-97-2 EINECS: 271-846-8 Index number: 603-103-00-4 Reg.nr.: 01-2119485289-22-xxxx	oxirane, mono[(C12-14-alkyloxy)methyl] derivs ⚠ Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	2.5-10%
CAS: 16096-31-4 EINECS: 240-260-4 Reg.nr.: 01-2119463471-41-xxxx	Hexanedioldigycidyl ether ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; ⚠ Aquatic Chronic 3, H412	<2.5%

- **Additional information** For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information**
Instantly remove any clothing soiled by the product.
Take affected persons into the open air.
- **After inhalation** Supply fresh air; consult doctor in case of symptoms.
- **After skin contact**
Instantly wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.
- **After eye contact** Rinse opened eye for several minutes under running water. Then consult doctor.
- **After swallowing** Seek immediate medical advice.
- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Information for doctor** No particular measures are known - treat according to symptoms.
- **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents**
CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

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- **For safety reasons unsuitable extinguishing agents** Water with a full water jet.
- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** Wear self-contained breathing apparatus.
- **Additional information**
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
- **6.2 Environmental precautions:**
Do not allow to enter the ground/soil.
Do not allow product to reach sewage system or water bodies.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose of contaminated material as waste according to item 13.
- **6.4 Reference to other sections**
Clean the accident area carefully.
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**
The usual precautionary measures for handling chemicals must be observed.
Keep containers tightly sealed.
Ensure good ventilation/exhaustion at the workplace.
- **Information about protection against explosions and fires:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:**
Store only in unopened original containers.
Provide floor trough without outlet.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:**
Store container in a well ventilated position.
Keep container tightly sealed.
Must be stored in a collecting room.
- **Storage class 10**
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **8.1 Control parameters**
- **Components with limit 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		
CAS: 25068-38-6 reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)		
Oral	DNEL Langzeit Verbraucher / Long-term consumer	0.75 mg/kg/bw/d
Dermal	DNEL - Arbeiter / worker	8.33 mg/kg/bw/d
	DNEL Langzeit Verbraucher / Long-term consumer	3.571 mg/kg/bw/d
Inhalative	DNEL Langzeit / long-term	12.25 mg/m ³
· PNECs		
CAS: 25068-38-6 reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)		
PNEC Langzeit Wasser / Long-term water	0.006 mg/l (Frischwasser (freshwater))	
	0.006 mg/l (Meerwasser (seawater))	

· **Additional information:** The lists that were valid during the compilation were used as basis.

· **8.2 Exposure controls**

· **Personal protective equipment**

· **General protective and hygienic measures**

Do not eat, drink or smoke while working.

Use skin protection cream for preventive skin protection.

Keep away from foodstuffs, beverages and food.

Take off immediately all contaminated clothing

Wash hands during breaks and at the end of the work.

Avoid contact with the eyes and skin.

· **Breathing equipment:**

In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.

· **Recommended filter device for short term use:**



Combination filter A-P2

· **Protection of hands:**



Protective gloves.

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

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

Nitrile rubber, NBR

Fluorocarbon rubber (Viton)

Recommended thickness of the material: ≥ 0.5 mm

Breakthroughtime: > 480 min

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

· **Penetration time of glove material**

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

· **As protection from splashes gloves made of the following materials are suitable:** Nitrile rubber, NBR

· **Not suitable are gloves made of the following materials:**

Leather gloves

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Strong gloves

· Eye protection:



Tightly sealed safety glasses.

· Body protection: Protective work clothing.

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

· Appearance:

Form:	Fluid
Colour:	Yellowish
· Odour:	Characteristic
· Odour threshold:	Not determined.

· pH-value:	Not determined.
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· Change in condition

Melting point/freezing point:	Not determined
Initial boiling point and boiling range:	> 200°C

· Flash point:	> 100°C
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· Inflammability (solid, gaseous)	Not applicable.
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· Ignition temperature:

Decomposition temperature:	Not determined.
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· Self-inflammability:	Product is not selfigniting.
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· Explosive properties:	Product is not explosive.
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· Critical values for explosion:

Lower:	Not determined.
Upper:	Not determined.

· Vapour pressure at 20°C:	1 hPa
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· Density at 20°C	1.15 g/cm ³
· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not determined.

· Solubility in / Miscibility with

Water:	Not miscible or difficult to mix
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· Partition coefficient: n-octanol/water:	Not determined.
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· Viscosity:

dynamic at 20°C:	450 mPas
kinematic:	Not determined.

· Solvent content:

Organic solvents:	0.0 %
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· 9.2 Other information	please refer to our technical specification
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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** Reacts with acids, alkalis and oxidizing agents
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** strong oxidizing agents
- **10.6 Hazardous decomposition products:**
in the event of fire:
toxic gases and vapours

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

· **LD/LC50 values that are relevant for classification:**

CAS: 25068-38-6 reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)

Oral	LD50	15,000 mg/kg (rat)
	NOAEL	50 mg/kg/d (rat)
Dermal	LD50	23,000 mg/kg (rab)

CAS: 28064-14-4 reaction product: bisphenol-F-(epichlorhydrin)

Oral	LD50	>2,000 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rab)

CAS: 16096-31-4 Hexanedioldigycidyl ether

Oral	LD50	8,500 mg/kg (rat)
Dermal	LD50	<4,900 mg/kg (rab)
		>4,900 mg/kg (rat)

- **Primary irritant effect:**
- **Skin corrosion/irritation**
Causes skin irritation.
- **Serious eye damage/irritation**
Causes serious eye irritation.
- **Respiratory or skin sensitisation**
May cause an allergic skin reaction.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **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.

SECTION 12: Ecological information· **12.1 Toxicity**· **Aquatic toxicity:**

CAS: 25068-38-6 reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)

NOEC	4.2 mg/l (Alge) (72h)
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Algentoxizität / Algae toxicity	220 mg/l (Alge) (LC50 (96h))
Daphnientoxizität / Daphnia toxicity	2.8 mg/l (Daphnia magna) (LC50 (48h))
Fischttoxizität / Fish toxicity	3.6 mg/l (Leuciscus idus) (LC50 (96h))
CAS: 28064-14-4 reaction product: bisphenol-F-(epichlorhydrin)	
Algentoxizität / Algae toxicity	>1-<10 mg/l (Grünalge)
CAS: 68609-97-2 oxirane, mono[(C12-14-alkyloxy)methyl] derivs	
Algentoxizität / Algae toxicity	845 mg/l (Alge) (IC50 (72h))
Daphnientoxizität / Daphnia toxicity	1-10 mg/l (Daphnia magna) (EC50 (48h))
CAS: 16096-31-4 Hexanedioldigycidyl ether	
Daphnientoxizität / Daphnia toxicity	47 mg/l (daphnia) (EC50 (24))
Fischttoxizität / Fish toxicity	30 mg/l (Onchorhynchus mykiss) (LC50 (96h)) 17.1-30.9 mg/l (Brachydanio rerio) (LC50 (96h))

- **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.
- **Ecotoxicological effects:** Not determined
- **Remark:** Toxic for fish
- **Additional ecological information:**
- **General notes:**
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water.
Do not allow product to reach ground water, water bodies or sewage system.
Danger to drinking water if even small quantities leak into soil.
Also poisonous for fish and plankton in water bodies.
Toxic for aquatic organisms
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation** Must be specially treated under adherence to official regulations.

· **European waste catalogue**

08 00 00	WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
08 02 00	wastes from MFSU of other coatings (including ceramic materials)
08 02 99	wastes not otherwise specified

- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

- **14.1 UN-Number**
- **ADR, IMDG, IATA** UN3082

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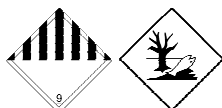
Trade name: **ROMPOX 1505 Comp. A**

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<ul style="list-style-type: none"> · 14.2 UN proper shipping name · ADR · IMDG · IATA 	<p>3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (epoxy resin)</p> <p>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (epoxy resin), MARINE POLLUTANT</p> <p>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (epoxy resin)</p>
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· **14.3 Transport hazard class(es)**· **ADR**

<ul style="list-style-type: none"> · Class · Label 	<p>9 (M6) Miscellaneous dangerous substances and articles.</p> <p>9</p>
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· **IMDG, IATA**

<ul style="list-style-type: none"> · Class · Label 	<p>9 Miscellaneous dangerous substances and articles.</p> <p>9</p>
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· **14.4 Packing group**· **ADR, IMDG, IATA**

III

· **14.5 Environmental hazards:**Product contains environmentally hazardous substances:
epoxy resin· **Marine pollutant:**

Symbol (fish and tree)

· **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

· **Stowage Category**

A

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

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: 1000 ml

· **Transport category**

3

· **Tunnel restriction code**

E

· **IMDG**· **Limited quantities (LQ)**

5L

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· 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. (EPOXY RESIN), 9, III

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **Seveso category E2** Hazardous to the Aquatic Environment
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 200 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3
- **National regulations**
- **Technical instructions (air):**
- **VOC EU %** 0.29 %
- **VOC CH %** 0.02 %
- **15.2 Chemical safety 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.

Changes made since last issue dated 02.05.2016 at the following points: *

- **Relevant phrases**
- 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.
- H412 Harmful to aquatic life with long lasting effects.
- **Department issuing data specification sheet:**
- ROMEX Produktions GmbH
Mühlgrabenstraße 19
D-53340 Meckenheim
Tel.: 0049 (0)2225-7032820
- **Abbreviations and acronyms:**
- RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
- ICAO: International Civil Aviation Organisation
- ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
- IMDG: International Maritime Code for Dangerous Goods
- IATA: International Air Transport Association
- GHS: Globally Harmonised System of Classification and Labelling of Chemicals
- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- DNEL: Derived No-Effect Level (REACH)
- PNEC: Predicted No-Effect Concentration (REACH)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative
- Skin Irrit. 2: Skin corrosion/irritation – Category 2

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Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1: Skin sensitisation – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

· *** Data compared to the previous version altered.**

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Printing date 09.06.2016

Revision: 05.12.2015

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

· **1.1 Product identifier**

· Trade name: **ROMPOX 1505 Comp. B**

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

No further relevant information available.

· **Application of the substance / the mixture** Epoxy resin hardening agent

· **1.3 Details of the supplier of the safety data sheet**

· **Manufacturer/Supplier:**

ROMEX Produktions GmbH

Mühlgrabenstraße 19

D-53340 Meckenheim

Tel.: 0049 (0)2225-7032820

Fax: 0049 (0)2225-7032828

email: info@romex-rpg.de

· **Informing department:** Product Safety Department

· **1.4 Emergency telephone number:**

Giftnotrufzentrale BONN

Tel.: 0049(0)228-19240

gizbn@mailen.meb.uni-bonn.de

www.meb.uni-bonn.de/giftzentrale/

SECTION 2: Hazards identification

· **2.1 Classification of the substance or mixture**

· **Classification according to Regulation (EC) No 1272/2008**

Acute Tox. 4 H302 Harmful if swallowed.

Skin Corr. 1A H314 Causes severe skin burns and eye damage.

Eye Dam. 1 H318 Causes serious eye damage.

Skin Sens. 1 H317 May cause an allergic skin reaction.

STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.

Aquatic Chronic 3 H412 Harmful 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 CLP regulation.

· **Hazard pictograms**



GHS05

GHS07

GHS08

· **Signal word** Danger

· **Hazard-determining components of labelling:**

Formaldehyde, polymer with benzeneamine, hydrogenated

Benzyl alcohol

4,4'-methylenebis(cyclohexylamine)

2,4,6-tris(dimethylaminomethyl)phenol

· **Hazard statements**

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

H373 May cause damage to organs through prolonged or repeated exposure.

H412 Harmful to aquatic life with long lasting effects.

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Trade name: **ROMPOX 1505 Comp. B**

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· **Precautionary statements**

- P260 Do not breathe dust/fume/gas/mist/vapours/spray.
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
 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.
 P405 Store locked up.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **2.3 Other hazards**· **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients· **3.2 Chemical characterisation: Mixtures**· **Description:** Epoxy resin hardening agent, formulation on aliphatic polyamine basis· **Dangerous components:**

CAS: 100-51-6 EINECS: 202-859-9 Index number: 603-057-00-5 Reg.nr.: 01-2119492630-38-xxxx	Benzyl alcohol ⚠ Acute Tox. 4, H302; Acute Tox. 4, H332	> 25%
CAS: 135108-88-2 Reg.nr.: 01-2119983522-3	Formaldehyde, polymer with benzeneamine, hydrogenated ⚠ STOT RE 2, H373; ⚠ Skin Corr. 1B, H314; ⚠ Acute Tox. 4, H302; Skin Sens. 1, H317; Aquatic Chronic 3, H412	> 20%
CAS: 90-72-2 EINECS: 202-013-9 Index number: 603-069-00-0 Reg.nr.: 01-2119560507-27-xxxx	2,4,6-tris(dimethylaminomethyl)phenol ⚠ Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	2.5-10%
CAS: 1761-71-3 EINECS: 217-168-8 Reg.nr.: 01-2119541673-38-xxxx	4,4'-methylenebis(cyclohexylamine) ⚠ STOT RE 2, H373; ⚠ Skin Corr. 1A, H314; ⚠ Aquatic Chronic 2, H411; ⚠ Acute Tox. 4, H302; Skin Sens. 1, H317	2.5-10%

· **Additional information** For the wording of the listed hazard phrases refer to section 16.**SECTION 4: First aid measures**· **4.1 Description of first aid measures**· **General information**

- Instantly remove any clothing soiled by the product.
 In case of irregular breathing or respiratory arrest provide artificial respiration.

· **After inhalation**

- Take affected persons into the open air and position comfortably
 Seek medical treatment in case of complaints.

· **After skin contact**

- Instantly wash with water and soap and rinse thoroughly.
 In cases of strong skin irritation, consult a doctor.

· **After eye contact** Rinse opened eye for several minutes under running water. Then consult doctor.· **After swallowing**

- Rinse the mouth with water immediately
 Do not induce vomiting; instantly call for medical help.

· **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.· **Information for doctor** No particular measures are known - treat according to symptoms.

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

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents**
CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- **For safety reasons unsuitable extinguishing agents** Water with a full water jet.
- **5.2 Special hazards arising from the substance or mixture**
Formation of poisonous gases during heating or in fires.
Can be released in case of fire
Carbon dioxide (CO₂)
Carbon monoxide (CO)
Nitrogen oxides (NO_x)
NH₃
Under certain fire conditions, traces of other toxic gases cannot be excluded.
- **5.3 Advice for firefighters**
- **Protective equipment:** Wear self-contained breathing apparatus.
- **Additional information**
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Ensure adequate ventilation
Wear protective equipment. Keep unprotected persons away.
Use breathing protection against the effects of fumes/dust/aerosol.
- **6.2 Environmental precautions:**
Do not allow product to reach sewage system or water bodies.
Do not allow to enter the ground/soil.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Collect in a suitable container and dispose of as described at paragraph 13.
Ensure adequate ventilation.
- **6.4 Reference to other sections**
See Section 8 for information on personal protection equipment.
Clean the accident area carefully.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Keep containers tightly sealed.
Keep eye irrigation utensils (bottle) ready for use at place of work.
Avoid contact with the eyes and skin.
The usual precautionary measures for handling chemicals must be observed.
- **Information about protection against explosions and fires:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:**
Store only in unopened original containers.
Provide floor trough without outlet.
- **Information about storage in one common storage facility:**
Store away from foodstuffs.

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Do not store together with acids.

· **Further information about storage conditions:**

Store in cool, dry conditions in well sealed containers.

Store container in a well ventilated position.

· **Storage class 8 A**

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

SECTION 8: Exposure controls/personal protection

· **Additional information about design of technical systems:** No further data; see item 7.

· **8.1 Control parameters**

· **Components with limit 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.

· **DNELs**

CAS: 100-51-6 Benzyl alcohol

Dermal	DNEL-worker	9.5 mg/kg/bw/d ((langfristig))
Inhalative	DNEL - worker	90 mg/m ³ ((langfristig))

· **PNECs**

CAS: 100-51-6 Benzyl alcohol

PNEC Langzeit Wasser	1 mg/l (Frischwasser (freshwater))
	0.1 mg/l (Meerwasser (seawater))

· **Additional information:** The lists that were valid during the compilation were used as basis.

· **8.2 Exposure controls**

· **Personal protective equipment**

· **General protective and hygienic measures**

Keep away from foodstuffs, beverages and food.

Wash hands during breaks and at the end of the work.

Take off immediately all contaminated clothing

Store protective clothing separately.

Avoid contact with the eyes and skin.

Use skin protection cream for preventive skin protection.

Do not eat, drink or smoke while working.

· **Breathing equipment:**

In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.

· **Recommended filter device for short term use:**



Combination filter A-P2

· **Protection of hands:**



Only use chemical-protective gloves with CE-labelling of category III.

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

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

Nitrile rubber, NBR

Butyl rubber, BR

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Neoprene gloves

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

· **Penetration time of glove material**

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

· **As protection from splashes gloves made of the following materials are suitable:**

Nitrile rubber, NBR

PVC gloves

· **Not suitable are gloves made of the following materials:**

Strong gloves

Leather gloves

· **Eye protection:**



Tightly sealed safety glasses.

· **Body protection:** Protective work clothing.

SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

Form: Fluid

Colour: Yellow

· **Odour:** Like ammoniac

· **pH-value:** Alkaline

· **Change in condition**

Melting point/Melting range: < 0 °C

Boiling point/Boiling range: > 200 °C

· **Flash point:** > 93.3 °C

· **Self-inflammability:** Product is not selfigniting.

· **Danger of explosion:** Product is not explosive.

· **Critical values for explosion:**

Lower: 1.3 Vol %

Upper: 13.0 Vol %

· **Vapour pressure at 21 °C:** 2 mmHg

· **Density at 20 °C** 1 g/cm³

· **Viscosity:**

dynamic at 25 °C: 220 mPas

· **9.2 Other information** No further relevant information available.

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.

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- **10.3 Possibility of hazardous reactions** none, if used as directed
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:**
 - acids
 - strong bases
 - oxidizing agents
 - Metals
 - Sodium hypochlorite
 - Peroxides
- **10.6 Hazardous decomposition products:**
 - none, if stored and handled correctly.
 - in the event of fire:
 - Nitric acid
 - Ammonia
 - Nitrogen oxides (NO_x)
 - Carbon monoxide and carbon dioxide
 - Nitrosamines
 - Aldehyde

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity**
Harmful if swallowed.

- **LD/LC50 values that are relevant for classification:**

CAS: 100-51-6 Benzyl alcohol

Oral	LD50	1040 mg/kg (rat)
Dermal	LD50	2000 mg/kg (rbt) (RTECS)
Inhalative	LD50	> 4178 mg/l (rat) (LC50 (4h))

CAS: 135108-88-2 Formaldehyde, polymer with benzeneamine, hydrogenated

Dermal	LD50	> 1000 mg/kg (rab)
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CAS: 90-72-2 2,4,6-tris(dimethylaminomethyl)phenol

Oral	LD50	1670 mg/kg (rat)
Dermal	LD50	1242 mg/kg (rab)

CAS: 1761-71-3 4,4'-methylenebis(cyclohexylamine)

Oral	LD50	625 mg/kg (rat)
Dermal	LD50	2110 mg/kg (rab)

- **Primary irritant effect:**
- **Skin corrosion/irritation**
Causes severe skin burns and eye damage.
- **Serious eye damage/irritation**
Causes serious eye damage.
- **Respiratory or skin sensitisation**
May cause an allergic skin reaction.
- **Additional toxicological information:** Harmful by inhalation
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **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**
May cause damage to organs through prolonged or repeated exposure.

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Trade name: **ROMPOX 1505 Comp. B**· **Aspiration hazard** Based on available data, the classification criteria are not met.

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SECTION 12: Ecological information· **12.1 Toxicity**· **Aquatic toxicity:****CAS: 100-51-6 Benzyl alcohol**

Algentoxizität	79 mg/l (<i>Scenedesmus quadricauda</i>) (EC50 (3h)) 640 mg/l (<i>Scenedesmus subspicatus</i>) (EC50 (96h))
BSB-5	1550 mg O ₂ /g
BSB5-Wert	1.55 g/g
Bakterientoxizität	71.4 mg/l (<i>Photobacterium phosphoreum</i>) (EC50 (30 min); IUCLID) > 658 mg/l (<i>Pseudomonas putida</i>) (EC50 (16h))
Daphnientoxizität	400 mg/l (<i>daphnia</i>) (EC50 (24h); IUCLID)
Fischttoxizität	460 mg/l (<i>Pimephales promelas</i>) (LC50 (96h)) 645 mg/l (<i>Goldorfe (Leuciscus idus)</i>) (LC50 (96h)) 10 mg/l (<i>Lepomis macrochirus (bluegill)</i>) (LC50 (96h))
closed bottel test	90 %

CAS: 90-72-2 2,4,6-tris(dimethylaminomethyl)phenol

Daphnientoxizität	750 mg/l (<i>Mangrovenkrabbe (Neopanope)</i>) (LC50 (96h))
Fischttoxizität	222 mg/l (<i>Onchorhynchus mykiss</i>) (LC50 (24h)) 718 mg/l (<i>Cyprinus Carpio</i>) (LC50 (96h))

CAS: 1761-71-3 4,4'-methylenebis(cyclohexylamine)

Algentoxizität	140 -200 mg/l (Alge) (EC50 (72h))
Daphnientoxizität	6.84 mg/l (<i>Daphnia magna</i>) (EC50 (28h))
Fischttoxizität	46 - 199 mg/l (<i>Goldorfe (Leuciscus idus)</i>) (LC50 (96h))

· **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.· **Ecotoxicological effects:**· **Remark:** Harmful to fish· **Additional ecological information:**· **General notes:**

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water.

Do not allow product to reach ground water, water bodies or sewage system.

Must not reach sewage water or drainage ditch undiluted or unneutralised.

Danger to drinking water if even small quantities leak into soil.

Harmful to aquatic organisms

· **12.5 Results of PBT and vPvB assessment**· **PBT:** Not applicable.· **vPvB:** Not applicable.· **12.6 Other adverse effects** No further relevant information available.**SECTION 13: Disposal considerations**· **13.1 Waste treatment methods**· **Recommendation** For disposal, local regulations issued by the authorities must be observed.

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- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

· 14.1 UN-Number · ADR, IMDG, IATA	UN2735
· 14.2 UN proper shipping name · ADR · IMDG, IATA	2735 AMINES, LIQUID, CORROSIVE, N.O.S. (Formaldehyde, polymer with benzeneamine, hydrogenated) AMINES, LIQUID, CORROSIVE, N.O.S. (Formaldehyde, polymer with benzeneamine, hydrogenated)
· 14.3 Transport hazard class(es) · ADR	
	
· Class · Label	8 (C7) Corrosive substances. 8
· IMDG, IATA	
	
· Class · Label	8 Corrosive substances. 8
· 14.4 Packing group · ADR, IMDG, IATA	II
· 14.5 Environmental hazards: · Marine pollutant:	No
· 14.6 Special precautions for user · Kemler Number: · EMS Number: · Segregation groups	Warning: Corrosive substances. 80 F-A,S-B Alkalis
· 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
· Transport/Additional information:	
· ADR · Excepted quantities (EQ): · Limited quantities (LQ) · Transport category · Tunnel restriction code	E2 1L 2 E

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· **UN "Model Regulation":** UN2735, AMINES, LIQUID, CORROSIVE, N.O.S.
(Formaldehyde, polymer with benzeneamine, hydrogenated), 8, III

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3**
- **National regulations**
- **Technical instructions (air):**
- **VOC EU % 0.00 %**
- **Water hazard class: Water hazard class 2 (Self-assessment): hazardous for water.**
- **15.2 Chemical safety 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.
- H314 Causes severe skin burns and eye damage.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H411 Toxic to aquatic life with long lasting effects.
- H412 Harmful to aquatic life with long lasting effects.
- **Department issuing data specification sheet:**
- IGG-AD Ingenieurbüro für Gefahrstoff- und Gefahrgutberatung
Bismarckstraße 10
D-68623 Lampertheim
Fax: 0049-(0)6206-58422 <http://www.igg-ad.de> info@igg-ad.de
- **Contact:** Dr. U. Prinz (u.prinz@igg-ad.de)
- **Abbreviations and acronyms:**
- RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
- ICAO: International Civil Aviation Organisation
- ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
- IMDG: International Maritime Code for Dangerous Goods
- IATA: International Air Transport Association
- GHS: Globally Harmonised System of Classification and Labelling of Chemicals
- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- DNEL: Derived No-Effect Level (REACH)
- PNEC: Predicted No-Effect Concentration (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. 1A: Skin corrosion/irritation – Category 1A
- 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

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Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1: Skin sensitisation – Category 1

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

*** Data compared to the previous version altered.**

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