

Safety Data Sheet

according to HPR, Schedule 1

Printing date 02/08/2021

Reviewed on 02/08/2021

1 Identification

- **Product identifier**
- **Trade name: ROMPOX-D4000 HR Komponente A**
- **Application of the substance / the mixture** Sealing mortar
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
ROMEX Produktionsgesellschaft mbH
Mühlgrabenstraße 19
D-53340 MECKENHEIM
DEUTSCHLAND
H.Blaesner@romex-rpg.de
- **Information department:** Abteilung Produktsicherheit
- **Emergency telephone number:**
"Alberta - Poison and Drug Information Services (PADIS) Toll-free 1-800-332-1414 (within Alberta and Northwest Territories only) (403) 944-1414 (in Calgary, VOIP users, or outside of Alberta)
British Columbia - British Columbia Drug and Poison Information Centre (DPIC) Toll-free 1-800-567-8911 (within BC only) (604) 682-5050 (Greater Vancouver)
Manitoba - Manitoba Poison Centre Toll-free 1-855-7POISON (1-855-776-4766)
New Brunswick - Sykes Telehealth 911
Newfoundland and Labrador - Poison Information Centre Toll-free 1-866-727-1110 (709) 722-1110
Northwest Territories - Poison and Drug Information Services (PADIS) Toll-free 1-800-332-1414 (for Alberta and Northwest Territories only)
Nova Scotia - IWK Regional Poison Centre Toll-free 1-800-565-8161 (for Nova Scotia and PEI only) or call 911 and ask to speak to the Poison Centre (902) 470-8161 (Halifax or outside Nova Scotia)
Nunavut - Toll-Free 1-800-268-9017
Ontario - Ontario Poison Centre (OPC) Toll-free 1-800-268-9017 (within Ontario) (416) 813-5900 (Greater Toronto Area) Prince Edward Island - IWK Regional Poison Centre Toll-free 1-800-565-8161 (for Nova Scotia and PEI only)
Québec - Centre antipoison du Québec (CAPQ) Toll-free 1-800-463-5060 (for Quebec only)
Saskatchewan - Poison and Drug Information Services (PADIS) Toll-free 1-866-454-1212 (for Saskatchewan only) Yukon Territory - Yukon Poison Control Centre - Whitehorse General Hospital (867) 393-8700"
- Giftnotrufzentrale BONN, Germany
Tel.: 0049(0)228-19240
- ROMEX, Abtlg. Produktsicherheit von 08:00-17:00 : +49 (0)2225 70954-10

2 Hazard identification

- **Classification of the substance or mixture**



GHS07

Skin Irritation - Category 2 H315 Causes skin irritation.

Eye Irritation - Category 2A H319 Causes serious eye irritation.

Skin Sensitizer - Category 1 H317 May cause an allergic skin reaction.

- **Label elements**
- **GHS label elements**
The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms**



GHS07

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- **Signal word** Warning

- **Hazard-determining components of labeling:**

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

formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol

- **Hazard statements**

Causes skin irritation.

Causes serious eye irritation.

May cause an allergic skin reaction.

- **Precautionary statements**

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

Wash thoroughly after handling.

Contaminated work clothing should not be allowed out of the workplace.

Wear protective gloves/protective clothing/eye protection/face protection.

If on skin: Wash with plenty of water.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Take off contaminated clothing and wash it before reuse.

If skin irritation or rash occurs: Get medical advice/attention.

Specific treatment (see on this label).

If eye irritation persists: Get medical advice/attention.

Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Classification system:**

- **NFPA ratings (scale 0 - 4)**



Health = 2

Fire = 1

Reactivity = 0

- **HMS-ratings (scale 0 - 4)**



HEALTH 2 Health = 2

FIRE 1 Fire = 1

REACTIVITY 0 Reactivity = 0

3 Composition/Information on ingredients

- **Chemical characterization: Mixtures**

- **Description:** Mixture of the substances listed below with nonhazardous additions.

- **Dangerous components:**

25068-38-6	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight \leq 700)	<60.000% w/w
9003-36-5	formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol	<30.000% w/w
100-51-6	Benzyl alcohol	10% w/w

4 First-aid measures

- **Description of first aid measures**

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

- **After inhalation:**

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

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

- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.

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- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed**
No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray.
Use fire fighting measures that suit the environment.
- **Special hazards arising from the substance or mixture**
Formation of toxic gases is possible during heating or in case of fire.
In case of fire, the following can be released:
Carbon monoxide (CO)
Nitrogen oxides (NO_x)
- **Advice for firefighters**
- **Protective equipment:**
Wear fully protective suit.
Wear self-contained respiratory protective device.
- **Additional information**
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Wear protective clothing.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

- **Handling:**
- **Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Store only in unopened original receptacles.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:**
Protect from frost.
Store in dry conditions.

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Store in a cool place.

Keep receptacle tightly sealed.

· **Storage class:** 10· **Specific end use(s)** No further relevant information available.

8 Exposure controls/ Personal protection

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

· **Additional information:** The lists that were valid during the creation were used as basis.· **Exposure controls**· **Personal protective equipment:**· **General protective and hygienic measures:**

Do not eat, drink, smoke or sniff while working.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

· **Breathing equipment:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

· **Protection of hands:**

Protective gloves

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

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

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

· **Material of gloves**

Butyl rubber, BR

Nitrile rubber, NBR

Recommended material thickness: $\geq 0,5\text{mm}$

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.

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

Strong gloves

Leather gloves

Natural rubber, NR

· **Eye protection:**

Tightly sealed goggles

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· **Body protection:** Protective work clothing

9 Physical and chemical properties

· Information on basic physical and chemical properties

· General Information

· Appearance:

· Form:	Fluid
· Color:	Yellowish
· Odor:	Characteristic
· Odor threshold:	Not determined.

· pH-value at 20 °C:	7.9
	$\beta = 0,1\text{g/cm}^3$ in H ₂ O

· Change in condition

· Melting point/Melting range:	Undetermined.
· Boiling point/Boiling range:	200 °C

· Flash point:	>100 °C
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· Flammability (solid, gaseous):	Not applicable.
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· Ignition temperature:	436 °C
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· Decomposition temperature:	Not determined.
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· Auto igniting:	Product is not selfigniting.
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· Danger of explosion:	Product does not present an explosion hazard.
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· Explosion limits:

· Lower:	Not determined.
· Upper:	Not determined.

· Vapor pressure:	Not determined.
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· Density at 20 °C:	1.1 g/cm ³
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· Relative density	Not determined.
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· Vapor density	Not determined.
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· Evaporation rate	Not determined.
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· 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:	600 mPas
· Kinematic:	Not determined.

· Solvent content:

· Organic solvents:	5–10 %
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· Solids content:	93.7 %
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· Other information	No further relevant information available.
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10 Stability and reactivity

· **Reactivity** No further relevant information available.

· Chemical stability

· **Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

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- **Possibility of hazardous reactions**
Toxic fumes may be released if heated above the decomposition point.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Information on toxicological effects**

- **Acute toxicity:**

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

Oral	NOEL Teratogenität / teratogenicity	640 mg/kg (rat)
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- **LD/LC50 values that are relevant for classification:**

ATE (Acute Toxicity Estimate)

Oral	LD50	>2,765–3,022 mg/kg (rat)
Dermal	LD50	>2,857–3,077 mg/kg
Inhalative	LC50/4 h	>41.8–83.6 mg/l (rat)

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

Oral	LD50	>2,000 mg/kg (rat) >5,000 mg/kg (rabbit)
Dermal	LD50	>2,000 mg/kg (rat)
Inhalative	DNEL Langzeit / long-term	12.25 mg/m ³

100-51-6 Benzyl alcohol

Oral	LD50	1,620 mg/kg (rat)
Dermal	LD50	2,000 mg/kg (rabbit)
Inhalative	LC50/4 h	>4.178 mg/l (rat) (OECD TG 403)

- **Primary irritant effect:**
- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** Irritating effect.
- **Sensitization:** Sensitization possible through skin contact.
- **Subacute to chronic toxicity:**

- **Result:**

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

Oral	DNEL-Consumer	0.75 mg/kg 0.75 mg/kg (human)
Dermal	DNEL-Worker	8.33 mg/kg bw/day 8.33 mg/kg bw/day (human)
	DNEL-Consumer	3.571 mg/kg (human)
Inhalative	DNEL-Worker	12.25 mg/m ³ (human)

9003-36-5 formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol

Dermal	DNEL-Worker	104.15 mg/kg bw/day (rat)
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100-51-6 Benzyl alcohol

Oral	DNEL-Consumer	4 mg/kg
Dermal	DNEL-Worker	8 mg/kg bw/day
	DNEL-Consumer	4 mg/kg

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Inhalative	DNEL-Worker	22 mg/m ³
	DNEL-Consumer	5.4 mg/m ³

· **Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:

Irritant

· **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

12 Ecological information

· **Toxicity**

· **Aquatic toxicity:**

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

LC50(48h)	2.8 mg/l (daphnia magna)
LC50(96h)	3.6 mg/l (Oncorhynchus mykiss)
	220 mg/l ((algae))
	3.6 mg/l (leuciscus idus)
LC50 (24h)	4.4 mg/l (fish)
EC50	1.8 mg/kg (daphnia magna)
EC50(24h)	4.6 mg/l (Invertebrata)
ERrC50(72h)	>11 mg/l ((algae))
	2.8 mg/l (Invertebrata)
PNEC-freshwater	0.006 mg/l (kurzzeitig (einmalig) /short-term (once))
PNEC-marine water	0.0006 mg/l (kurzzeitig (einmalig) / short-term (once))
PNEC-sediment (sea water)	0.0996 mg/kg (kurzzeitig (einmalig) / short-term (once))
PNEC-sediment (freshwater)	0.996 mg/kg (kurzzeitig (einmalig) /short-term (once))
PNEC-STP	10 mg/l (kurzzeitig (einmalig) / short-term (once))
PNEC-soil	0.196 mg/kg (kurzzeitig (einmalig) / short-term (once))
PNEC-intermittend release	0.01 mg/l
PNEC water	11 mg/kg (kurzzeitig (einmalig) / short-term (once))
PNEC water	0.018 mg/l (kontinuierlich / continuous)
NOEC (72)	4.2 mg/l ((algae))

100-51-6 Benzyl alcohol

LC50(96h)	10 mg/l (Lepomis macrochirus)
	460 mg/l (Pimephales promelas)
	645 mg/l (leuciscus idus)
BSB-5	1,550 mg O ² /l
EC50(16h)	>658 mg/l (Pseudomonas putida)
EC50(0,5h)	71.42 mg/l (Photobacterium phosphoreum)
	400 mg/l (Pseudomonas putida)
EC50(24h)	400 mg/l (daphnia magna)
EC50 (96h)	640 mg/l (Scenedesmus subspicatus)

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ERrC50(72h)	79 mg/l (<i>Scenedesmus quadricauda</i>)
IC50(72h)	770 mg/l ((algae)) (OECD 201)
LC50/96h	770 mg/l (<i>Pseudokirchneria subcapitata</i>)
closed bottle test	460 mg/l (<i>Pimephales promelas</i>)
PNEC-freshwater	90 % (Eliminationsgrad)
PNEC-marine water	1–1.02 mg/l
PNEC-sediment (sea water)	0.1 mg/l
PNEC-sediment (freshwater)	0.527 mg/kg
PNEC - intermittent release (freshwater)	5.27 mg/kg
	2.3 mg/l

- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
 Water hazard class 2 (Self-assessment): hazardous for water
 Do not allow product to reach ground water, water course or sewage system.
 Danger to drinking water if even small quantities leak into the ground.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
 Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:**
 Packagings that cannot be cleansed are to be disposed of in the same manner as the product.

14 Transport information

- | | |
|--|---|
| <ul style="list-style-type: none"> · UN-Number · DOT/TDG · ADR, IMDG, IATA | <p style="text-align: center;">not regulated
UN3082</p> |
| <ul style="list-style-type: none"> · UN proper shipping name · DOT/TDG · ADR | <p style="text-align: center;">not regulated
3082 ENVIRONMENTALLY HAZARDOUS
SUBSTANCE, LIQUID, N.O.S. (reaction product:
bisphenol-A-(epichlorhydrin) epoxy resin (number
average molecular weight ≤ 700), formaldehyde,
oligomeric reaction products with 1-chloro-2,3-
epoxypropane and phenol)</p> |

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<ul style="list-style-type: none"> · IMDG · IATA 	<p>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700), formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol), MARINE POLLUTANT ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700), formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol)</p>
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<ul style="list-style-type: none"> · Transport hazard class(es) · DOT/TDG (Transport dangerous goods): · Class 	<p>not regulated</p>
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<ul style="list-style-type: none"> · ADR  <ul style="list-style-type: none"> · Class · Label 	<p>9 (M6) Miscellaneous dangerous substances and articles 9</p>
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<ul style="list-style-type: none"> · IMDG, IATA  <ul style="list-style-type: none"> · Class · Label 	<p>9 Miscellaneous dangerous substances and articles 9</p>
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<ul style="list-style-type: none"> · Packing group · DOT/TDG · ADR, IMDG, IATA 	<p>not regulated III</p>
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<ul style="list-style-type: none"> · Environmental hazards: · Marine pollutant: · Special marking (ADR): · Special marking (IATA): 	<p>Symbol (fish and tree) Symbol (fish and tree) Symbol (fish and tree)</p>
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<ul style="list-style-type: none"> · Special precautions for user · Hazard identification number (Kemler code): · EMS Number: · Stowage Category 	<p>Warning: Miscellaneous dangerous substances and articles 90 F-A, S-F A</p>
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<ul style="list-style-type: none"> · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code 	<p>Not applicable.</p>
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- **Transport/Additional information:**

<ul style="list-style-type: none"> · ADR · Excepted quantities (EQ) 	<p>Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml</p>
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<ul style="list-style-type: none"> · IMDG · Limited quantities (LQ) · Excepted quantities (EQ) 	5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
<ul style="list-style-type: none"> · UN "Model Regulation": 	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (REACTION PRODUCT: BISPHENOL-A-(EPICHLORHYDRIN) EPOXY RESIN (NUMBER AVERAGE MOLECULAR WEIGHT \leq 700), FORMALDEHYDE, OLIGOMERIC REACTION PRODUCTS WITH 1-CHLORO-2,3-EPOXYPROPANE AND PHENOL), 9, III

15 Regulatory information

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

- **Sara**

- **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

- **Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed.

- **TSCA (Toxic Substances Control Act):**

All components have the value ACTIVE.

- **Canadian substance listings:**

- **Canadian Domestic Substances List (DSL)**

All ingredients are listed.

- **Canadian Ingredient Disclosure list (limit 0.1%)**

None of the ingredients is listed.

- **Canadian Ingredient Disclosure list (limit 1%)**

100-51-6 Benzyl alcohol

- **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms**



GHS07

- **Signal word** Warning

- **Hazard-determining components of labeling:**

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

formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol

- **Hazard statements**

Causes skin irritation.

Causes serious eye irritation.

May cause an allergic skin reaction.

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· **Precautionary statements**

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

Wash thoroughly after handling.

Contaminated work clothing should not be allowed out of the workplace.

Wear protective gloves/protective clothing/eye protection/face protection.

If on skin: Wash with plenty of water.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Take off contaminated clothing and wash it before reuse.

If skin irritation or rash occurs: Get medical advice/attention.

Specific treatment (see on this label).

If eye irritation persists: Get medical advice/attention.

Dispose of contents/container in accordance with local/regional/national/international regulations.

· **National regulations:**

· **Information about limitation of use:**

Employment restrictions concerning young persons must be observed.

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

16 Other information

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

· **Department issuing SDS:** Abteilung Umweltschutz

· **Contact:** Hr. Blaesner

· **Date of the latest revision of the safety data sheet** 02/08/2021 / -

· **Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

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)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

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