

Page 1/13 Printing date: 21/06/2023 Revision date: 22/02/2023 Version no. 2_AUS

Hazardous according to criteria of Australian Safety and Compensation Council.

1 Identification

- · Product identifier
- Trade name: P987 EPOXY 1:1
- Article number: 11137
- · Relevant identified uses of the substance or mixture and uses advised against
- Life cycle stages IS Use at industrial Sites
- Sector of Use
 SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites
 SU3 Professional uses: Dublic demain (administration, admention, admention, admention)
- SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
- Product category PC9a Coatings and paints, thinners, paint removers
- Process category
- PROC9 Transfer of substance or mixture into small containers (dedicated filling line, including weighing)
- · Environmental release category ERC5 Use at industrial site leading to inclusion into/onto article
- Article category AC1 Vehicles
- Technical function Filler
- · Application of the substance / the mixture Surface protection

· Details of the supplier of the safety data sheet

- Manufacturer/Supplier: HB BODY S.A.
 B' ENTRANCE BLOCK 50 DA9 & MB6 Str THESSALONIKI INDUSTRIAL AREA 57.022, SINDOS THESSALONIKI, GREECE Ph: +30 2310 790 000 Fax: +30 2310 790 033 www.hbbody.com email: hbbody@hbbody.com
- Further information obtainable from: SYDNEY AUTOMOTIVE PAINTS & EQUIPMENT PTY LTD UNIT A3, 366 EDGAR ST. CONDELL PARK NSW 2200 AUSTRALIA, Tel. +02 9772 9000 , +02 9772 9001
- Emergency telephone number: If poisoning occurs contact a doctor or Poisons Information Centre. Phone Australia 131 126, New Zealand 0800 764 766.

2 Hazard(s) Identification

· Classification of the substance or mixture



H225 Highly flammable liquid and vapour.

Continue on page 2 AU Page 2/13 Printing date: 21/06/2023 Revision date: 22.02.2023 Version no. 2_AUS

Trade name: P987 EPOXY 1:1



H351 Suspected of causing cancer. Route of exposure: Inhalation.

Skin Irrit. 2 Serious eye damage/irritation – Category 2A Skin Sens. 1 STOT SE 3

H315 Causes skin irritation.H319 Causes serious eye irritation.H317 May cause an allergic skin reaction.H335 May cause respiratory irritation.

· Label elements

•GHS label elements The product is classified and labelled according to the Globally Harmonised System (GHS).

Hazard pictograms



GHS02 GHS07 GHS08

Signal word Danger

Hazard-determining components of labelling:

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

4-methylpentan-2-one

Hazard statements

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H351 Suspected of causing cancer. Route of exposure: Inhalation.

H335 May cause respiratory irritation.

Precautionary statements

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.

- P241 Use explosion-proof electrical/ventilating/lighting equipment.
- P303+P361+P353 IF ON SKIN (or hair): Remove/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. P405 Store locked up.
- P405 P501

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

· Other hazards

- ·Results of PBT and vPvB assessment
- •PBT: Not applicable.
- •vPvB: Not applicable.

3 Composition and Information on Ingredients

· Chemical characterisation: Mixtures

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

· Dangerous components:

Dangerous componenta	3.	
CAS: 25068-38-6 NLP: 500-033-5 Index number: 603-074-00-8	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700) ♦ Skin Irrit. 2, H315; Serious eye damage/irritation – Category 2A, H319; Skin Sens. 1, H317	≥25-<30%
CAS: 13463-67-7 EINECS: 236-675-5 Index number: 022-006-00-2	titanium dioxide Image: Second Se Second Second Sec	20-<25%
CAS: 108-10-1 EINECS: 203-550-1 Index number: 606-004-00-4 RTECS: SA 9275000	 4-methylpentan-2-one Flam. Liq. 2, H225 Carc. 2, H351 Acute Tox. 4, H332; Serious eye damage/irritation – Category 2A, H319; STOT SE 3, H335 	10~15%
CAS: 100-41-4 EINECS: 202-849-4 Index number: 601-023-00-4 RTECS: DA 0700000	 ethylbenzene Flam. Liq. 2, H225 STOT RE 2, H373; Asp. Tox. 1, H304 Acute Tox. 4, H332; Skin Irrit. 2, H315; Serious eye damage/irritation – Category 2A, H319 	≥1-<10%
CAS: 64742-95-6 EINECS: 265-199-0 Index number: 649-356-00-4	Solvent naphtha (petroleum), light arom. Flam. Liq. 3, H226 Asp. Tox. 1, H304 Acute Tox. 4, H332; STOT SE 3, H335-H336	5~<10%
CAS: 1330-20-7 Index number: 601-022-00-9	xylene Flam. Liq. 3, H226 Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315	≥1-<5%
CAS: 111-76-2 EINECS: 203-905-0 Index number: 603-014-00-0 RTECS: KJ 8575000	 2-butoxyethanol Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Serious eye damage/irritation – Category 2A, H319 Flam. Lig. 4, H227 	1-<5%
CAS: 136-51-6 EINECS: 205-249-0 Index number: 607-230-00-6	calcium bis(2-ethylhexanoate) Repr. 2, H361 Skin Irrit. 2, H315 For the wording of the listed bazard phrases refer to section 16	0.91%

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

4 First Aid Measures

General information:

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore, medical observation for at least 48 hours after the accident.

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.

· After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor. Remove contact lenses in case of eye contamination and irrigate copiously with clean water for at least 15 minutes trying to hold the eye lids open.

• After swallowing: If symptoms persist consult doctor.

·Information for doctor:

• Most important symptoms and effects, both acute and delayed No further relevant information available.

.

Page 4/13 Printing date: 21/06/2023 Revision date: 22.02.2023 Version no. 2_AUS

Trade name: P987 EPOXY 1:1

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

5 Fire Fighting Measures

· Suitable extinguishing agents:

CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

- · Special hazards arising from the substance or mixture No further relevant information available.
- · Advice for firefighters

Firefighters should always protective equipment and breathing apparatus when handling fire coming from these products

- Special protective equipment and fire fighting procedures: No special measures required.
- Additional information Collect contaminated fire fighting water separately. It must not enter the sewage system.

6 Accidental Release Measures

• **Personal precautions, protective equipment and emergency procedures** Wear protective equipment. Keep unprotected persons away.

Environmental precautions:

Dilute with plenty of water.

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.

<u>Reference to other sections</u>

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. Open and handle receptacle with care. Prevent formation of aerosols.
- Information about fire and explosion protection: Keep ignition sources away - Do not smoke.
 Protect against electrostatic charges.
 Keep respiratory protective device available.
- · Storage:
- · Requirements to be met by storerooms and receptacles: Store in a cool location.
- · Information about storage in one common storage facility: Not required.
- Further information about storage conditions: Keep container tightly sealed. Store in cool, dry conditions in well sealed receptacles.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls and personal protection

• Additional information about design of technical facilities: No further data; see item 7.

· Ingredients with limit values that require monitoring at the workplace:

108-10-1 4-methylpentan-2-one

WES Short-term value: 307 mg/m3, 75 ppm Long-term value: 205 mg/m3, 50 ppm

100-41-4 ethylbenzene

WES Short-term value: 543 mg/m3, 125 ppm Long-term value: 434 mg/m3, 100 ppm

1330-20-7 xylene

WES Short-term value: 655 mg/m3, 150 ppm Long-term value: 350 mg/m3, 80 ppm

111-76-2 2-butoxyethanol

- WES Short-term value: 242 mg/m3, 50 ppm Long-term value: 96.9 mg/m3, 20 ppm Sk
- Additional information: The lists valid during the making were used as basis.

· Personal protective equipment:

- General protective and hygienic measures: Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing Wash hands before breaks and at the end of work. Store protective clothing separately. Avoid contact with the eyes and skin.
- Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use selfcontained respiratory protective device.

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

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 cannot 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.
- · For the permanent contact gloves made of the following materials are suitable: Fluorocarbon rubber (Viton)
- For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable: Rubber gloves
- · Eye protection:



Tightly sealed goggles

- Body protection: Protective work clothing

Page 6/13 Printing date: 21/06/2023 Revision date: 22.02.2023 Version no. 2_AUS

9 Physical and Chemical Properties

· · · · · · · · · · · · · · · · · · ·	
· General Information	
Appearance:	
Form:	Liquid
Colour:	Grey
Odour:	Characteristic
Odour threshold:	Not determined.
· <u>pH-value:</u>	Mixture is non-soluble (in water).
<u>Change in condition</u>	
 Melting point/freezing point: 	>100 °C
 Initial boiling point and boiling range: 	114-117 °C
- Flash point:	< 23 °C
 Flammability (solid, gas): 	Highly flammable.
 Autoignition temperature: 	430 °C
 Decomposition temperature: 	Not determined.
 Auto-ignition temperature: 	Product is not self-igniting.
<u>Explosive properties:</u>	Risk of explosion by shock, friction, fire or other sources of ignition.
 Explosion limits: 	
Lower:	1.7 Vol %
Upper:	9 Vol %
 Vapour pressure at 20 °C: 	8 hPa
Density at 20 °C:	1.356 g/cm3
Bulk density:	1,350 kg/m3
Relative density	Not determined.
Vapour density	Not determined.
Evaporation rate	Not determined.
 Solubility in / Miscibility with 	
• water:	Fully miscible.
 Partition coefficient: n-octanol/water: 	Not determined.
· <u>Viscosity:</u>	
Dynamic at 20 °C:	76.3 mPas
Kinematic:	Not determined.
<u>Solvent content:</u>	
Organic solvents:	26.2-34.1 %
· VOC (EC)	365-472.3 g/l
 Solids content (volume): 	46.2-46.3 %
<u>Other information</u>	No further relevant information available.

10 Stability and Reactivity

- **<u>Reactivity</u>** No further relevant information available.
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- 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 Based on available data, the classification criteria are not met.
- · LD/LC50 values relevant for classification:

ATE (Acute Toxicity Estimates)

Oral	LD50	103,784 mg/kg
Dermal	LD50	22,362-27,165 mg/kg
Inhalative	LC50/4	h >26.5-43.3 mg/l

13463-67-7 titanium dioxide

Oral	LD50	>20,000 mg/kg (rat)
Dermal	LD50	>10,000 mg/kg (rabbit)
Inhalative	LC50/4 h	>6.82 mg/l (rat)

108-10-1 4-methylpentan-2-one

Oral	LD50	2,080 mg/kg (rat)
Dermal	LD50	16,000 mg/kg (rab)
Inhalative	LC50/4 h	11 mg/l (ATE)
		8.3-16.6 mg/l (rat)

7779-90-0 trizinc bis(orthophosphate) >5,000 mg/kg (rat) Oral LD50

100-41-4 ethylbenzene

Oral	LD50	3,500 mg/kg (rat)
Dermal	LD50	17,800 mg/kg (rabbit)
Inhalative	LC50/4 h	11 mg/l (ATE)

64742-95-6 Solvent naphtha (petroleum), light arom.

Oral	LD50	>6,800 mg/kg (rat)
Dermal	LD50	>3,400 mg/kg (rab)
Inhalative	LC50/4 h	>10.2 mg/l (rat)

1330-20-7 xylene

Oral	LD50	4,300 mg/kg (rat)
Dermal	LD50	2,000 mg/kg (rabbit)
Inhalative	LC50/4 h	11 mg/l (ATE)

111-76-2 2-butoxyethanol

Oral	LD50	1,200 mg/kg (ATE)
		1,480 mg/kg (rat)
Dermal	LD50	400 mg/kg (rab)
Inhalative	LC50/4 h	3 mg/l (ATE)

Skin corrosion/irritation Causes skin irritation.

- · Serious eye damage/irritation Causes serious eye irritation.
- Respiratory or skin sensitisation May cause an allergic skin reaction.
- · Germ cell mutagenicity Based on available data, the classification criteria are not met.
- Carcinogenicity Suspected of causing cancer. Route of exposure: Inhalation.
- Reproductive toxicity Based on available data, the classification criteria are not met.

Page 8/13 Printing date: 21/06/2023 Revision date: 22.02.2023 Version no. 2_AUS

Trade name: P987 EPOXY 1:1

- STOT-single exposure May cause respiratory irritation.
- 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.

12 Ecological Information

- · Toxicity
- · Aquatic toxicity:

This product is not toxic for the aquatic life. Nevertheless, do not dispose the product or any cleaning solvents used along with this product into the sea

· Persistence and degradability

This product contains polyesteric molecules and organic solvents and is not known to be bioaccumulative. It can be considered as biodegradable in small quantities. In case of disposal, it should be treated as a hazardous material and should be disposed accordingly. Do not just throw it away

· Behaviour 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 (German Regulation) (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: This product contains no substance that is considered to be persistent, bioaccumulating or non toxic(PBT).
- · vPvB: Not applicable.
- Other adverse effects No further relevant information available.

13 Disposal considerations

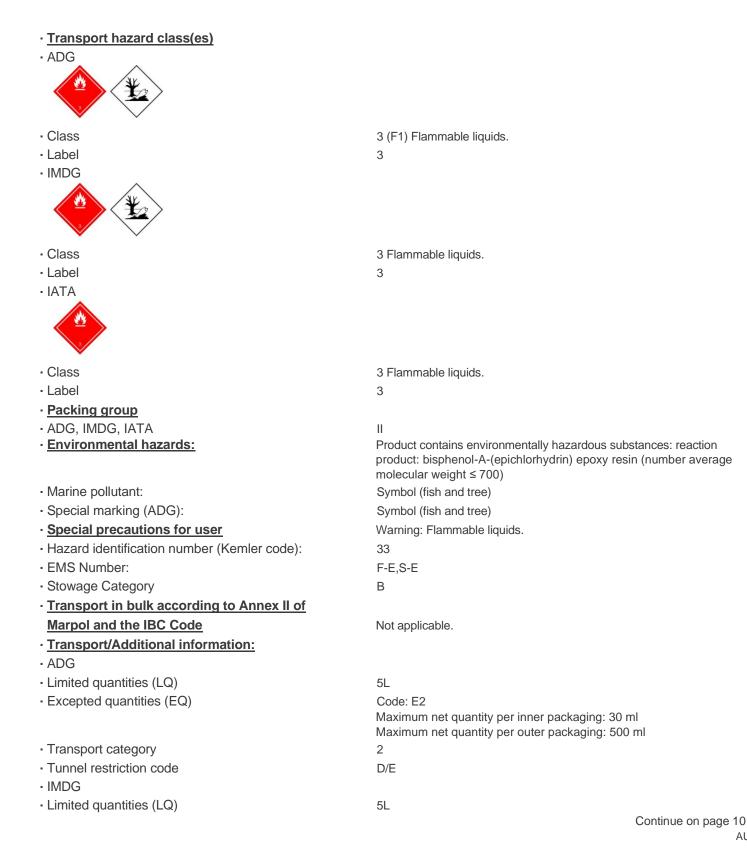
- · Waste treatment methods
- Recommendation Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- Uncleaned packaging:
- Recommendation: Disposal must be made according to official regulations.
- · Recommended cleansing agents: Water, if necessary, together with cleansing agents.

14 Transport information

· <u>UN-NUMBER</u>	
• ADG, IMDG, IATA	UN1263
 <u>UN proper shipping name</u> 	
• ADG	UN1263 PAINT, ENVIRONMENTALLY HAZARDOUS, special
	provision 640D
• IMDG	PAINT, MARINE POLLUTANT
• IATA	PAINT
	Continue on page

age 9 AU Page 9/13 Printing date: 21/06/2023 Revision date: 22.02.2023 Version no. 2_AUS

Trade name: P987 EPOXY 1:1



Excepted quantities (EQ)

Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml UN 1263 PAINT, 3, II, ENVIRONMENTALLY HAZARDOUS

<u>UN "Model Regulation":</u>

15 Regulatory information

- 3YE
- Safety, health and environmental regulations/legislation specific for the substance or mixture None of the ingredients is listed.
- Australian Inventory of Industrial Chemicals
- All ingredients are listed.
- · Standard for the Uniform Scheduling of Medicines and Poisons
- 108-10-1 4-methylpentan-2-one: S5
- 1330-20-7 xylene: S6 111-76-2 2-butoxyethanol: S6
- Australia: Priority Existing Chemicals
 - 111-76-2 2-butoxyethanol
- GHS label elements The product is classified and labelled according to the Globally Harmonised System (GHS).
- Hazard pictograms



- · Signal word Danger
- · Hazard-determining components of labelling:

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

4-methylpentan-2-one

Hazard statements

H225 Highly flammable liquid and vapour.

- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H317 May cause an allergic skin reaction.
- H351 Suspected of causing cancer. Route of exposure: Inhalation.

H335 May cause respiratory irritation.

· Precautionary statements

P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P241	Use explosion-proof electrical/ventilating/lighting equipment.
P303+P361+P353	IF ON SKIN (or hair): Remove/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.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

- Directive 2012/18/EU
- · Named dangerous substances ANNEX I None of the ingredients is listed.

Continue on page 11 AU Page 11/13 Printing date: 21/06/2023 Revision date: 22.02.2023 Version no. 2_AUS

Trade name: P987 EPOXY 1:1

- Seveso category
 E2 Hazardous to the Aquatic Environment
 P5c FLAMMABLE LIQUIDS
- · Qualifying quantity (tonnes) for the application of lower-tier requirements 200 t
- · Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t
- Chemical safety assessment: A Chemical Safety Assessment has been carried out.

16 Other information

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

· Relevant phrases

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H227 Combustible liquid.

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H312 Harmful in contact with skin.

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.

H351 Suspected of causing cancer.

H361 Suspected of damaging fertility or the unborn child.

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

· Contact:

HB BODY S.A Ms Olympia Stamkou Ph: +30 2310 790 032 fax: +30 2310 790 033 email: stamkou@hbbody.com

• * Data compared to the previous version altered.

AU Continue on page 12

* Annex: Exposure scenario

Short title of the exposure scenario

Sector of Use

SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

- Product category PC9a Coatings and paints, thinners, paint removers
- · Process category

PROC9 Transfer of substance or mixture into small containers (dedicated filling line, including weighing)

- Article category AC1 Vehicles
- Environmental release category ERC5 Use at industrial site leading to inclusion into/onto article
- Technical function Filler
- **Description of the activities / processes covered in the Exposure Scenario** See section 1 of the annex to the Safety Data Sheet.
- Conditions of use According to directions for use.
- Duration and frequency Frequency of use:

· Physical parameters

The data on the physical - chemical properties in the Exposure Scenario is based on the properties of the preparation.

- Physical state Fluid
- · Concentration of the substance in the mixture The substance is main component.
- · Used amount per time or activity Smaller than 100 g per application.

· Other operational conditions

- · Other operational conditions affecting environmental exposure Use only on hard ground.
- · Other operational conditions affecting worker exposure

Avoid contact with eyes. Avoid contact with the skin. Avoid long-term or repeated skin contact. Take precautionary measures against static discharge. Keep away from sources of ignition - No smoking.

Do not breathe gas/vapour/aerosol.

- · Other operational conditions affecting consumer exposure No special measures required.
- · Other operational conditions affecting consumer exposure during the use of the product Not applicable.

· Risk management measures

- Worker protection
- · Organisational protective measures

Ensure good ventilation. This can be achieved by using a local exhaustion or general exhaust system. If these measures are insufficient to keep the solvent vapour concentration below the workplace limit, wear an adequate respiratory protective device.

Technical protective measures

Provide explosion-proof electrical equipment. Use product only in enclosed systems. Ensure that suitable extractors are available on processing machines

· Personal protective measures

Do not inhale gases / fumes / aerosols.

Avoid contact with the skin.

Avoid contact with the eyes.

Tightly sealed goggles

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

Page 13/13 Printing date: 21/06/2023 Revision date: 22.02.2023 Version no. 2_AUS

Trade name: P987 EPOXY 1:1

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

 Measures for consumer protection Ensure adequate labelling.

Observe consumer information and advice on safe use.

- · Environmental protection measures
- Water

Do not allow to reach sewage system. Dispose of this product and its container at hazardous or special waste collection point.

Do not allow to reach sewage system.

Soil

Prevent contamination of soil.

The product is only processed over the concrete collecting basin.

- **Disposal measures** Ensure that waste is collected and contained.
- Disposal procedures

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

- Waste type $\,$ Partially emptied and uncleaned packaging $\,$

· Exposure estimation

Consumer

This product is to be used by professional technicians only. Not relevant for this Exposure Scenario.

· Guidance for downstream users

Whether the downstream user acts within the scope of the Exposure Scenario can be verified based on the information in sections 1 to 8.