

1 Identification of the substance or mixture and of the supplier**Other means of identification**Trade name: **P981 1K EPOXY PRIMER**

Article number: W024

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

Life cycle stages PW Widespread use by professional workers

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 PC9b Fillers, putties, plasters, modelling clay

Process category PROC8b Transfer of substance or mixture (charging and discharging) at dedicated facilities

Environmental release category ERC2 Formulation into mixture

Article category AC1 Vehicles

Application of the substance / the mixture

Metal surface treatment

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:

Wyatt Machine Tools (Rupes) NZ Limited

Address: 388 Church Street, Penrose, Auckland

Ph (09) 525 1000; Fax (09) 525 1009

Emergency telephone number: NZ Emergency 0800 992 881 (0800WYATT1)

Emergency telephone number:

24 hr Medical Emergency, National Poisons Centre, 0800 764 766 (0800 POISON)

2 Hazards identification**Classification of the substance or mixture**

GHS02 flame

Flammable liquids Category 2

H225 Highly flammable liquid and vapour.



GHS08 health hazard

Carcinogenicity – Category 2

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

Trade name: P981 1K EPOXY PRIMER



GHS09 environment

Hazardous to the aquatic environment chronic Category 2 H411 Toxic to aquatic life with long lasting effects.



GHS07

Skin irritation Category 2

H315 Causes skin irritation.

Eye irritation Category 2

H319 Causes serious eye irritation.

Skin sensitisation Category 1

H317 May cause an allergic skin reaction.

Specific target organ toxicity - single exposure Category 3 H336 May cause drowsiness or dizziness.

Additional information:

6.3A Substances that are irritating to the skin

8.3A Substances that are corrosive to ocular tissue

6.9 (Narcotic) Substances that are harmful to human target organs or systems

6.4A Substances that are irritating to the eye

Label elements

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

Hazard pictograms



GHS02



GHS07



GHS08



GHS09

Signal word Danger

Hazard-determining components of labelling:

titanium dioxide

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

propan-2-ol

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.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P241 Use explosion-proof [electrical/ventilating/lighting] equipment.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or 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.

Other hazards

Results of PBT and vPvB assessment

This product contains no substance that is considered to be persistent, bioaccumulating or non toxic (PBT). This mixture contains no substance that is considered to be very persistent or very bioaccumulating (vPvB).









PBT: Not applicable.

vPvB: Not applicable.

Trade name: P981 1K EPOXY PRIMER**3 Composition/Information on ingredients****Chemical characterisation: Mixtures**

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

Dangerous components:

CAS: 13463-67-7	titanium dioxide	25-<30%
EINECS: 236-675-5	 Carcinogenicity – Category 2, H351	
Index number: 022-006-00-2		
CAS: 67-63-0	propan-2-ol	25-<30%
EINECS: 200-661-7	 Flammable liquids Category 2, H225	
Index number: 603-117-00-0	 Eye irritation Category 2, H319; Specific target organ toxicity - single exposure Category 3, H336	
RTECS: NT 8050000		
CAS: 1330-20-7	xylene	≥10-<15%
Index number: 601-022-00-9	 Flammable liquids Category 3, H226	
	 Acute dermal toxicity Category 4, H312; Acute inhalation toxicity Category 4, H332; Skin irritation Category 2, H315	
CAS: 25068-38-6	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)	5-<10%
NLP: 500-033-5		
Index number: 603-074-00-8	 Hazardous to the aquatic environment chronic Category 2, H411	
	 Skin irritation Category 2, H315; Eye irritation Category 2, H319; Skin sensitisation Category 1, H317	
	Specific concentration limits: Eye irritation Category 2; H319: C ≥ 5 % Skin irritation Category 2; H315: C ≥ 5 %	
CAS: 1314-13-2	zinc oxide	5-<10%
EINECS: 215-222-5	 Hazardous to the aquatic environment acute Category 1, H400 (M=1);	
Index number: 030-013-00-7	Hazardous to the aquatic environment chronic Category 1, H410 (M=1)	
RTECS: ZH 4810000		
CAS: 471-34-1	calcium carbonate	1-<5%
EINECS: 207-439-9		
RTECS: EV 9580000		

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

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.

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.

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

For safety reasons unsuitable extinguishing agents: Water with full jet

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Trade name: P981 1K EPOXY PRIMER

· **Special hazards arising from the substance or mixture** No further relevant information available.

· **Advice for firefighters**

Firefighters should always wear 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.

HAZ CHEM CODE: 3YE

* **6 Accidental release measures**

· **Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.

· **Environmental precautions:**

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

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 section 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.

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.

· **Conditions for safe storage, including any incompatibilities**

· **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/personal protection**

· **Control parameters**

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

67-63-0 propan-2-ol

WES (New Zealand) Short-term value: 1230 mg/m³, 500 ppm

Long-term value: 983 mg/m³, 400 ppm

Trade name: P981 1K EPOXY PRIMER**1330-20-7 xylene**

WES (New Zealand) Long-term value: 217 mg/m³, 50 ppm
oto, bio

IOELV (EU) Short-term value: 442 mg/m³, 100 ppm
Long-term value: 221 mg/m³, 50 ppm
Skin

471-34-1 calcium carbonate

WES (New Zealand) Long-term value: 10 mg/m³

· **Regulatory information**

WES (New Zealand): Workplace Exposure Standards and Biological Exposure Indices

IOELV (EU): (EU) 2019/1831

· Additional information: The lists valid during the making were used as basis.

· **Exposure controls**

· 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 self-contained 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 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.

· 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

9 Physical and chemical properties

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

· General Information

· Appearance:

· Form: Liquid

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Trade name: P981 1K EPOXY PRIMER

· Colour:	Grey
· Odour:	Characteristic
· Odour threshold:	Not determined.
· pH-value:	Mixture is non-soluble (in water).
· Change in condition	
· Melting point/freezing point:	Undetermined.
· Initial boiling point and boiling range:	82 °C
· Flash point:	< 23 °C
· Flammability	Highly flammable.
· Autoignition temperature:	425 °C
· Decomposition temperature:	Not determined.
· Ignition temperature:	Product is not selfigniting.
· Explosive properties:	Risk of explosion by shock, friction, fire or other sources of ignition.
· Explosion limits:	
· Lower:	1.1 Vol %
· Upper:	12 Vol %
· Vapour pressure at 20 °C:	43 hPa
· Vapour pressure:	
· Density at 20 °C:	1.32 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.
· Partition coefficient: n-octanol/water:	Not determined.
· Viscosity:	
· Dynamic:	Not determined.
· Kinematic at 20 °C:	0 mm ² /s
· Solvent content:	
· Organic solvents:	40.6 %
· VOC (EC)	780.0 g/l
· Solids content (volume):	59.4 %
· Other information	
· Particle characteristics	Not applicable.
· Physical state	Liquid

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.
- **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.

Trade name: P981 1K EPOXY PRIMER**11 Toxicological information****Information on toxicological effects**

- Acute toxicity
- LD/LC50 values relevant for classification:

ATE (Acute Toxicity Estimates)

Dermal LD50 14,133-14,165 mg/kg (rabbit)
Inhalative LC50/4 h 77.7-77.9 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)

67-63-0 propan-2-ol

Oral LD50 5,045 mg/kg (rat)
Dermal LD50 12,800 mg/kg (rabbit)
Inhalative LC50/4 h 30 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)

1314-13-2 zinc oxide

Oral LD50 >5,000 mg/kg (rat)

471-34-1 calcium carbonate

Oral LD50 6,450 mg/kg (rat)

- Primary irritant effect:
- Skin corrosion/irritation Irritant to skin and mucous membranes.
- Serious eye damage/irritation Irritating effect.
- Respiratory or skin sensitisation
Sensitisation possible through skin contact.
Sensitising effect through inhalation is possible by prolonged exposure.
- Additional toxicological information:
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:
Irritant
- CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)
Carcinogenicity – Category 2

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.

Ecotoxicological effects:

- Remark: Toxic for fish

Trade name: P981 1K EPOXY PRIMER**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.

Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms

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.*** 14 Transport information****UN-Number**

· NZS, IMDG, IATA

UN1263

UN proper shipping name

· NZS

UN1263 PAINT, ENVIRONMENTALLY HAZARDOUS, special provision 640D

· IMDG

PAINT, MARINE POLLUTANT

· IATA

PAINT

Transport hazard class(es)

· NZS



· Class

3 (F1) Flammable liquids.

· Label

3

· IMDG



· Class

3 Flammable liquids.

· Label

3

· IATA



· Class

3 Flammable liquids.

· Label

3

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Trade name: P981 1K EPOXY PRIMER**Packing group**

· NZS, IMDG, IATA

II

Environmental hazards:Product contains environmentally hazardous substances:
reaction product: bisphenol-A-(epichlorhydrin) epoxy resin
(number average molecular weight \leq 700)

· Marine pollutant:

Symbol (fish and tree)

· Special marking (NZS):

Symbol (fish and tree)

Special precautions for user

Warning: Flammable liquids.

· Hazard identification number (Kemler code):

33

· EMS Number:

F-E,S-E

· Stowage Category

B

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

Not applicable.

Transport/Additional information:

· NZS

· Limited quantities (LQ)

5L

· Excepted quantities (EQ)

Code: E2

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 500 ml

· Transport category

2

· Tunnel restriction code

D/E

· IMDG

· Limited quantities (LQ)

5L

· Excepted quantities (EQ)

Code: E2

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 500 ml

· IATA

· Remarks:

HAZ CHEM CODE: 3YE

UN "Model Regulation":

UN 1263 PAINT, 3, II, ENVIRONMENTALLY HAZARDOUS

15 Regulatory information

· 3YE

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

None of the ingredients is listed.

· New Zealand Inventory of Chemicals

13463-67-7 titanium dioxide

67-63-0 propan-2-ol

1330-20-7 xylene

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

1314-13-2 zinc oxide

68648-78-2 Polyvinyl butyral

MOWITAL B 20 H

471-34-1 calcium carbonate

14807-96-6 Talc (Mg₃H₂(SiO₃)₄)

1302-78-9 bentonite

1333-86-4 Carbon black

2530-83-8 [3-(2,3-epoxypropoxy)propyl]trimethoxysilane

7664-38-2 phosphoric acid

1345-25-1 iron oxide

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Trade name: P981 1K EPOXY PRIMER

112945-52-5 Silica dioxide

100-41-4 ethylbenzene

78-83-1 butanol

· HSNO Approval numbers

HSNO Approval number HSR 002662

Group standard name Surface Coatings and Colourants (Flammable) Group Standard 2006

HSNO Hazard classification Refer to section 2

67-63-0 propan-2-ol: HSR001180

1330-20-7 xylene: HSR000983

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

· Hazard pictograms



GHS02

GHS07

GHS08

GHS09

· Signal word Danger

· Hazard-determining components of labelling:

titanium dioxide

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

propan-2-ol

· 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.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

· Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P241 Use explosion-proof [electrical/ventilating/lighting] equipment.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or 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.

· 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.

· Reasons for alterations

· Relevant phrases

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H312 Harmful in contact with skin.

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Trade name: P981 1K EPOXY PRIMER

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H336 May cause drowsiness or dizziness.

H351 Suspected of causing cancer.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H411 Toxic to aquatic life with long lasting effects.

Contact:

HB BODY S.A

Regulatory Officer

Ms Athina Kapourani

Ph: +30 2310 790000

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* Data compared to the previous version altered.

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Trade name: P981 1K EPOXY PRIMER**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 PC9b Fillers, putties, plasters, modelling clay**Process category PROC8b** Transfer of substance or mixture (charging and discharging) at dedicated facilities**Article category AC1** Vehicles**Environmental release category ERC2** Formulation into mixture**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.

Do not breathe gas/vapour/aerosol.

Take precautionary measures against static discharge.

Keep away from sources of ignition - No smoking.

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 exhaust 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

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.

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

Measures for consumer protection

Ensure adequate labelling.

Observe consumer information and advice on safe use.

Trade name: P981 1K EPOXY PRIMER· **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.