

Hazardous according to criteria of Australian Safety and Compensation Council.

1 Identification

Product identifier

· Trade name: **P981 1K EPOXY PRIMER**

· Article number: 504

· 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:

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



Flam. Liq. 2

H225 Highly flammable liquid and vapour.

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Trade name: P981 1K EPOXY PRIMER



health hazard

Carc. 2

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



Skin Irrit. 2

H315 Causes skin irritation.

Serious eye damage/irritation – Category 2A H319 Causes serious eye irritation.

Skin Sens. 1

H317 May cause an allergic skin reaction.

STOT SE 3

H336 May cause drowsiness or dizziness.

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

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Trade name: P981 1K EPOXY PRIMER**Dangerous components:**

| | | |
|----------------------------|--|---------|
| CAS: 67-63-0 | propan-2-ol | 25-<30% |
| EINECS: 200-661-7 |  Flam. Liq. 2, H225 | |
| Index number: 603-117-00-0 |  Serious eye damage/irritation – Category 2A, H319; STOT SE 3, H336 | |
| RTECS: NT 8050000 | | |
| CAS: 13463-67-7 | titanium dioxide | 25-<30% |
| EINECS: 236-675-5 |  Carc. 2, H351 | |
| Index number: 022-006-00-2 | | |
| CAS: 1330-20-7 | xylene | 10-<15% |
| EINECS: 215-535-7 |  Flam. Liq. 3, H226 | |
| Index number: 601-022-00-9 |  Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; STOT SE 3, H335 | |
| RTECS: ZE 2100000 | | |
| CAS: 25068-38-6 | reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average | 5-<10% |
| NLP: 500-033-5 | molecular weight ≤ 700) | |
| Index number: 603-074-00-8 |  Skin Irrit. 2, H315; Serious eye damage/irritation – Category 2A, H319; Skin Sens. 1, H317 | |
| CAS: 471-34-1 | calcium carbonate | 5-<10% |
| 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

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**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

Speial 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.

Trade name: P981 1K EPOXY PRIMER**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 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.

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 section 7.

Ingredients with limit values that require monitoring at the workplace:**67-63-0 propan-2-ol**

WES Short-term value: 1230 mg/m³, 500 ppm

Long-term value: 983 mg/m³, 400 ppm

1330-20-7 xylene

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

Long-term value: 350 mg/m³, 80 ppm

471-34-1 calcium carbonate

WES Long-term value: 10 mg/m³

inhalable dust

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

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Trade name: P981 1K EPOXY PRIMER**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****General Information****Appearance:****Form:**

Liquid

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 (solid, gas):

Highly flammable.

Autoignition temperature:

425 °C

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

| | |
|--|--|
| · 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 |
| · 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: | Fully miscible. |
| · Partition coefficient: n-octanol/water: | Not determined. |
| · Viscosity: | |
| · Dynamic: | Not determined. |
| · Kinematic: | Not determined. |
| · Solvent content: | |
| · Organic solvents: | 42-42.1 % |
| · VOC (EC) | 780.0 g/l |
| · Solids content (volume): | 51.3 % |
| · Other information | No further relevant information available. |

10 Stability and Reactivity

- **Reactivity** 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)

Dermal LD50 13,915 mg/kg (rabbit)
Inhalative LC50/4 h 76.5 mg/l

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)

13463-67-7 titanium dioxide

Oral LD50 >20,000 mg/kg (rat)

Trade name: P981 1K EPOXY PRIMER

Dermal LD50 >10,000 mg/kg (rabbit)

Inhalative LC50/4 h >6.82 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)

- **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.
- **STOT-single exposure** May cause drowsiness or dizziness.
- **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.

Trade name: P981 1K EPOXY PRIMER

Uncleaned packaging:

- Recommendation: Disposal must be made according to official regulations.
- Recommended cleansing agents: Water, if necessary together with cleansing agents.

14 Transport information

UN-Number

· ADG, IMDG, IATA UN1263

UN proper shipping name

· ADG UN1263 PAINT, ENVIRONMENTALLY HAZARDOUS, special provision 640D
· IMDG PAINT, MARINE POLLUTANT
· IATA PAINT

Transport hazard class(es)

· ADG



· Class 3 (F1) Flammable liquids.
· Label 3

· IMDG



· Class 3 Flammable liquids.
· Label 3

· IATA



· Class 3 Flammable liquids.
· Label 3

Packing group

· ADG, IMDG, IATA II

Environmental hazards:

- Marine pollutant: Symbol (fish and tree)
- Special marking (ADG): 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

Trade name: P981 1K EPOXY PRIMER

- **Transport in bulk according to Annex II of Marpol and the IBC Code** Not applicable.
- **Transport/Additional information:**
 - ADG
 - 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
- **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.

· Australian Inventory of Industrial Chemicals

-
- 67-63-0 propan-2-ol
 - 13463-67-7 titanium dioxide
 - 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
 - 471-34-1 calcium carbonate
 - 68648-78-2 Polyvinyl butyral
MOWITAL B 20 H
 - 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
 - 112945-52-5 Silica dioxide
 - 1330-20-7 xylene
 - 100-41-4 ethylbenzene
 - 78-83-1 butanol

· **Standard for the Uniform Scheduling of Medicines and Poisons**

-
- 1330-20-7 xylene: S6
 - 7664-38-2 phosphoric acid: S5, S6
 - 1330-20-7 xylene: S6

· **Australia: Priority Existing Chemicals**

None of the ingredients is listed.

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

· **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:

titanium dioxide

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

· 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.

· 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.

· 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.

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.

Trade name: P981 1K EPOXY PRIMER

· **Contact:**

HB BODY S.A

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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

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Trade name: P981 1K EPOXY PRIMER**· 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.