



Auto Refinishing Products

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Version no. 1

Safety Data Sheet
according to WHS Regulations

Hazardous according to criteria of Australian Safety and Compensation Council.

1 Identification

Product identifier

- Trade name: **BPO PASTE HARDENER**
- Article number: 11202
- Relevant identified uses of the substance or mixture and uses advised against
- Life cycle stages F Formulation or re-packing
- Sector of Use
 - SU9 Manufacture of fine chemicals
 - SU12 Manufacture of plastics products, including compounding and conversion
 - SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
 - SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites
- Product category
 - PC7 Base metals and alloys
 - PC9b Fillers, putties, plasters, modelling clay
- Process category
 - PROC8b Transfer of substance or mixture (charging and discharging) at dedicated facilities
 - PROC8a Transfer of substance or mixture (charging and discharging) at non-dedicated facilities
- Environmental release category ERC2 Formulation into mixture
- Article category AC1 Vehicles
- Technical function Catalyst
- 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

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Trade name: **BPO PASTE HARDENER**

- 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



Serious eye damage/irritation – Category 2A H319 Causes serious eye irritation.
Skin Sens. 1 H317 May cause an allergic skin reaction.

· Label elements

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



GHS07




- Signal word Warning
- Hazard-determining components of labelling:
dibenzoyl peroxide (50-<60 %)
- Hazard statements
H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.
- Precautionary statements
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves / eye protection / face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.
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:

CAS: 94-36-0	dibenzoyl peroxide	50-<60%
EINECS: 202-327-6	 Self-react. B, H241;  Org. Perox. B, H241	
Index number: 617-008-00-0	 Serious eye damage/irritation – Category 2A, H319; Skin Sens. 1, H317	
RTECS: DM 8575000		

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Trade name: BPO PASTE HARDENER

CAS: 107-21-1

ethanediol

5-<10%

EINECS: 203-473-3

⚠ Acute Tox. 4, H302

Index number: 603-027-00-1

RTECS: KW 2975000

· 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:**

If skin irritation continues, consult a doctor.

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:** Use fire extinguishing methods suitable to surrounding conditions.· **Special hazards arising from the substance or mixture** No further relevant information available.· **Hazardous decomposition products**

In case of fire it is possible that the following substances are released:

Carbonic Anhydride

Carbon Monoxide

Benzene

Bophenyl

Phenyl Benzoate

Under certain conditions the presence of other toxic substances cannot be excluded

· **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**

Cool endangered receptacles with water spray.

Collect contaminated fire fighting water separately. It must not enter the sewage system.

6 Accidental Release Measures· **Personal precautions, protective equipment and emergency procedures** Not required.· **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 section 13.

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Trade name: BPO PASTE HARDENER

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 fire - and explosion protection: Prevent impact and friction.

- **Storage:**

- Requirements to be met by storerooms and receptacles: No special requirements.

- Information about storage in one common storage facility: Not required.

- Further information about storage conditions: Keep container tightly sealed.

- **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:**

107-21-1 ethanediol

WES Short-term value: 104** mg/m³, 40** ppm

Long-term value: 10* 52** mg/m³, 20** ppm

Sk;*particulate;**vapour

- 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.

Avoid contact with the eyes.

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.

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Trade name: BPO PASTE HARDENER

- Penetration time of glove material
The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
- 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: Pasty
- Colour: According to product specification
- Odour: Characteristic
- Odour threshold: Not determined.
- **pH-value:** Not determined.
- **Change in condition**
- Melting point/freezing point: Undetermined.
- Initial boiling point and boiling range: 197 °C
- **Flash point:** Not applicable.
- **Flammability (solid, gas):** Not applicable.
- **Autoignition temperature:** 555 °C
- Decomposition temperature: Not determined.
- **Ignition temperature:** Product is not selfigniting.
- **Explosive properties:** Product does not present an explosion hazard.
Risk of explosion by shock, friction, fire or other sources of ignition.
- **Explosion limits:**
- Lower: Not determined.
- Upper: Not determined.
- **Vapour pressure at 20 °C:** 1 hPa
- **Density at 20 °C:** 1.2528 g/cm³
- 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 mm²/s

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Trade name: BPO PASTE HARDENER**Solvent content:**

- VOC (EC) X
0.0 g/l
- Solids content (volume): 50.0 %
- **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:**
-
- **131-11-3 dimethyl phthalate**
 - Oral LD50 6,800 mg/kg (rat)
 - Dermal LD50 >10 mg/kg (rabbit)
 - **107-21-1 ethanediol**
 - Oral LD50 5,840 mg/kg (rat)
 - Dermal LD50 9,530 mg/kg (rabbit)
 - **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
 - **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** Based on available data, the classification criteria are not met.
 - **Reproductive toxicity** Based on available data, the classification criteria are not met.
 - **STOT-single exposure** Based on available data, the classification criteria are not met.
 - **STOT-repeated exposure** Based on available data, the classification criteria are not met.
 - **Aspiration hazard** Based on available data, the classification criteria are not met.

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.

Trade name: **BPO PASTE HARDENER**

- 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: This mixture contains no substance that is considered to be very persistent or very bioaccumulating (vPvB).
- **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**
- ADG, IMDG, IATA UN2810
- **UN proper shipping name**
- ADG UN2810 TOXIC LIQUID, ORGANIC, N.O.S. (dimethyl phthalate), ENVIRONMENTALLY HAZARDOUS
- IMDG TOXIC LIQUID, ORGANIC, N.O.S. (dimethyl phthalate, dibenzoyl peroxide), MARINE POLLUTANT
- IATA TOXIC LIQUID, ORGANIC, N.O.S. (dimethyl phthalate)
- **Transport hazard class(es)**

- ADG



- Class 6.1 (T1) Toxic substances.
- Label 6.1
- IMDG



- Class 6.1 Toxic substances.
- Label 6.1

Trade name: BPO PASTE HARDENER

· IATA



· Class	6.1 Toxic substances.
· Label	6.1
· Packing group	
· ADG, IMDG, IATA	II
· Environmental hazards:	Product contains environmentally hazardous substances: dibenzoyl peroxide
· Marine pollutant:	No Symbol (fish and tree)
· Special marking (ADG):	Symbol (fish and tree)
· Special precautions for user	Warning: Toxic substances.
· Hazard identification number (Kemler code):	60
· EMS Number:	F-A,S-A
· Stowage Category	B
· Stowage Code	SW2 Clear of living quarters.
· Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
· Transport/Additional information:	
· ADG	
· Limited quantities (LQ)	100 ml
· Excepted quantities (EQ)	Code: E4 Maximum net quantity per inner packaging: 1 ml Maximum net quantity per outer packaging: 500 ml
· Transport category	2
· Tunnel restriction code	D/E
· IMDG	
· Limited quantities (LQ)	100 ml
· Excepted quantities (EQ)	Code: E4 Maximum net quantity per inner packaging: 1 ml Maximum net quantity per outer packaging: 500 ml
· UN "Model Regulation":	UN 2810 TOXIC LIQUID, ORGANIC, N.O.S. (DIMETHYL PHTHALATE), 6.1, II, ENVIRONMENTALLY HAZARDOUS

15 Regulatory information

2X

· **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

94-36-0 dibenzoyl peroxide: S2, S4, S5

131-11-3 dimethyl phthalate: S10

107-21-1 ethanediol: S5, S6, S10

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Trade name: BPO PASTE HARDENER

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



GHS07

- Signal word Warning
- Hazard-determining components of labelling:
dibenzoyl peroxide (50-<60 %)
- Hazard statements
H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.
- Precautionary statements
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves / eye protection / face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.
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
P6b SELF-REACTIVE SUBSTANCES AND MIXTURES and ORGANIC PEROXIDES
E1 Hazardous to the Aquatic Environment
- Qualifying quantity (tonnes) for the application of lower-tier requirements 50 t
- Qualifying quantity (tonnes) for the application of upper-tier requirements 200 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
H241 Heating may cause a fire or explosion.
H302 Harmful if swallowed.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
- **Department issuing SDS:** Department of Quality Control
- **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.

Trade name: **BPO PASTE HARDENER**

Annex: Exposure scenario

Short title of the exposure scenario

· Sector of Use

- SU9 Manufacture of fine chemicals
- SU12 Manufacture of plastics products, including compounding and conversion
- SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
- SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites

· Product category

- PC7 Base metals and alloys
- PC9b Fillers, putties, plasters, modelling clay

· Process category

- PROC8b Transfer of substance or mixture (charging and discharging) at dedicated facilities
- PROC8a Transfer of substance or mixture (charging and discharging) at non-dedicated facilities

· Article category AC1 Vehicles

· Environmental release category ERC2 Formulation into mixture

· Technical function Catalyst

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

- 5 workdays/week.
- 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 0.5 kg per application.

Other operational conditions

· Other operational conditions affecting environmental exposure

- No special measures required.
- 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.
- Keep away from combustible material.
- 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

- No special measures required.
- 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

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

Trade name: BPO PASTE HARDENER**· 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

· Measures for consumer protection

Ensure adequate labelling.

Observe consumer information and advice on safe use.

· Environmental protection measures**· Water**

No special measures required.

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

The product is only processed over the concrete collecting basin.

Prevent contamination of soil.

· Disposal measures

Disposal must be made according to official regulations.

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**

Not relevant for this Exposure Scenario.

This product is to be used by professional technicians only.

· 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.