

## Safety data sheet according to 1907/2006/EC, Article 31

Printing date 10.05.2021


Version number 4

Revision: 10.05.2021

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

- **1.1 Product identifier**
  - **Trade name:** **Technocol 6000 Powder**
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
  - **Application of the substance / the mixture**  
Resin for the treatment of claws and extracutaneous splinting
- **1.3 Details of the supplier of the safety data sheet**
  - **Manufacturer/Supplier:**  
Dutch Hoof Care  
Sluiskolk 3, 7681 KC, Vroomshoop (Netherlands)  
Tel: +31 888 282 500 (Vroomshoop)
  - **Informing department:** E-mail: [tinfo@dutchhoofcare.com](mailto:tinfo@dutchhoofcare.com)
- **1.4 Emergency telephone number:** Emergency CONTACT (24-Hour-Number): +49 (0)6132-84463

### SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
  - **Classification according to Regulation (EC) No 1272/2008**  
Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.
- **2.2 Label elements**
  - **Labelling according to Regulation (EC) No 1272/2008**  
The product is classified and labelled according to the CLP regulation.
  - **Hazard pictograms**  
  
GHS09
  - **Signal word** Void
  - **Hazard statements**  
H411 Toxic to aquatic life with long lasting effects.
  - **Precautionary statements**  
P273 Avoid release to the environment.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
  - **Additional information:**  
Contains dibenzoyl peroxide. May produce an allergic reaction.
- **2.3 Other hazards -**
  - **Results of PBT and vPvB assessment**
    - **PBT:** Not applicable.
    - **vPvB:** Not applicable.

### SECTION 3: Composition/information on ingredients

- **3.2 Chemical characterisation: Mixtures**
  - **Description:** Product based on methacrylate copolymers

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### · **Dangerous components:**

CAS: 94-36-0	dibenzoyl peroxide	≥0.25-<1%
EINECS: 202-327-6	Self-react. B, H241; Org. Perox. B, H241	
Reg.nr.: 01-2119511472-50-xxxx	Aquatic Acute 1, H400 (M=10); Aquatic Chronic 1, H410 (M=10)	
	Eye Irrit. 2, H319; Skin Sens. 1, H317	

## SECTION 4: First aid measures

### · **4.1 Description of first aid measures**

· **General information** No special measures required.

#### · **After inhalation**

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

In case of unconsciousness bring patient into stable side position for transport.

#### · **After skin contact**

Instantly wash with water and soap and rinse thoroughly.

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

#### · **After eye contact**

Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.

Remove contact lenses, if present and easy to do. Continue rinsing.

#### · **After swallowing**

Rinse out mouth and then drink plenty of water.

In case of persistent symptoms consult doctor.

### · **4.2 Most important symptoms and effects, both acute and delayed**

No further relevant information available.

### · **4.3 Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

## SECTION 5: Firefighting measures

### · **5.1 Extinguishing media**

#### · **Suitable extinguishing agents**

CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

#### · **For safety reasons unsuitable extinguishing agents** Water with a full water jet.

### · **5.2 Special hazards arising from the substance or mixture**

Formation of toxic gases is possible during heating or in case of fire.

Combustible solids. Fine dust clouds can form explosive mixtures with air.

Can be released in case of fire

Carbon dioxide (CO<sub>2</sub>)

Carbon monoxide (CO)

### · **5.3 Advice for firefighters**

#### · **Protective equipment:**

Wear self-contained breathing apparatus.

(EN 133)

#### · **Additional information -**

## SECTION 6: Accidental release measures

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

Avoid contact with eyes and skin.

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

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Keep away from ignition sources

Avoid causing dust.

### · 6.2 Environmental precautions:

Do not allow to enter the ground/soil.

Do not allow to enter drainage system, surface or ground water.

Damp down dust with water spray jet.

### · 6.3 Methods and material for containment and cleaning up:

Dispose of the material collected according to regulations.

Collect mechanically.

Send for recovery or disposal in suitable containers.

### · 6.4 Reference to other sections

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

## SECTION 7: Handling and storage

### · 7.1 Precautions for safe handling

Provide suction extractors if dust is formed.

Avoid contact with eyes and skin.

Ensure good ventilation/exhaustion at the workplace.

Any deposit of dust which cannot be avoided must be removed regularly.

Prevent formation of dust.

#### · Handling

do not mix with

Strong bases

Strong acids

reducing agent

metals

#### · Information about protection against explosions and fires:

Use explosion-proof apparatus / fittings and spark-proof tools.

Protect against electrostatic charges.

Do not spray on flames or red-hot objects.

Dust can combine with air to form an explosive mixture.

Keep ignition sources away - Do not smoke.

### · 7.2 Conditions for safe storage, including any incompatibilities

#### · Storage

##### · Requirements to be met by storerooms and containers:

Store in cool, dry place in tightly closed containers.

##### · Information about storage in one common storage facility: Not required.

##### · Further information about storage conditions:

Store cool (not above 25 °C).

Protect from humidity and keep away from water.

### · 7.3 Specific end use(s) No further relevant information available.

## SECTION 8: Exposure controls/personal protection

### · 8.1 Control parameters

#### · Components with critical values that require monitoring at the workplace:

**94-36-0 dibenzoyl peroxide**

WEL (Great Britain) Long-term value: 5 mg/m<sup>3</sup>

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· <b>DNELs</b>		
<b>94-36-0 dibenzoyl peroxide</b>		
Oral	ge.pop., l.te, syst.	2 mg/Kg (nd)
Dermal	worker industr., l.te., syst.	13.3 mg/Kg/d (nd)
Inhalative	worker industr., l.te., syst.	39 mg/m <sup>3</sup> (nd)
· <b>PNECs</b>		
<b>94-36-0 dibenzoyl peroxide</b>		
freshwater		0.00002 mg/l (nd)
marine water		0.000002 mg/l (nd)
STP		0.35 mg/l (nd)
sedim., dw, fre.wat.		0.013 mg/Kg (nd)
sedim., dw, mar.wat.		0.001 mg/Kg (nd)
soil,dw		0.003 mg/Kg (nd)

· **Additional information:** The lists that were valid during the compilation were used as basis.

### · 8.2 Exposure controls

#### · **Personal protective equipment**

##### · **General protective and hygienic measures**

The usual precautionary measures should be adhered to in handling the chemicals.

Do not eat or drink while working.

Avoid contact with the eyes and skin.

Do not inhale dust / smoke / mist.

Wash hands during breaks and at the end of the work.

##### · **Breathing equipment:**

Use breathing protection in case of insufficient ventilation.

particulate filter device (EN 143)

##### · **Protection of hands:**

Check protective gloves prior to each use for their proper condition.

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

chemical protection gloves are suitable, which are tested according to EN 374

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

##### · **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.

NBR: acrylonitrile-butadiene rubber (0,11 mm)

##### · **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.

>30 min

##### · **Eye protection:** eye protection (EN 166)

##### · **Body protection:** Light weight protective clothing

#### · **Limitation and supervision of exposure into the environment**

Do not allow to enter drainage system, surface or ground water.

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### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

##### General Information

##### Appearance:

· Form:	Powder
· Colour:	White
· Smell:	Odourless
· Odour threshold:	Not determined.

· pH-value: Not applicable.

##### Change in condition

· Melting point/freezing point:	Not determined
· Initial boiling point and boiling range:	Not determined

· Flash point: Not applicable

· Inflammability (solid, gaseous) Not determined.

· Decomposition temperature: Not determined.

· Self-inflammability: Product is not selfigniting.

· Explosive properties: Product is not explosive. However, formation of explosive powder/air mixtures is possible.

##### Critical values for explosion:

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

· Steam pressure: Not applicable.

· Density Not determined

· Relative density	Not determined.
· Vapour density	Not applicable.
· Evaporation rate	Not applicable.

##### Solubility in / Miscibility with

· Water: Insoluble

· Partition coefficient: n-octanol/water: Not determined.

##### Viscosity:

· dynamic:	Not applicable.
· kinematic:	Not applicable.

· 9.2 Other information No further relevant information available.

### SECTION 10: Stability and reactivity

· 10.1 Reactivity No further relevant information available.

#### 10.2 Chemical stability

· Conditions to be avoided: No decomposition if used and stored according to specifications.

· 10.3 Possibility of hazardous reactions No dangerous reactions known

#### 10.4 Conditions to avoid

moisture exposure

Heat, flames and sparks.

Avoid dust formation.

#### 10.5 Incompatible materials:

Strong bases

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Strong acids  
reducing agent  
metals

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- **10.6 Hazardous decomposition products:** None
- **Additional information:** -

### SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
  - **Acute toxicity** Based on available data, the classification criteria are not met.
  - **LD/LC50 values that are relevant for classification:**

94-36-0 dibenzoyl peroxide		
Oral	LD0	>2,000 mg/kg (mouse) (OECD 401)
Inhalative	LC0/4h	24.3 ppm (rat) (OECD 403)
  - **Primary irritant effect:**
    - **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
    - **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
  - **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
  - **Additional toxicological information:**
    - **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
      - **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.

### SECTION 12: Ecological information

- **12.1 Toxicity**
  - **Aquatic toxicity:**

94-36-0 dibenzoyl peroxide	
EC50/72h	0.042 mg/l (algae) (OECD 201)
EC50/48h	0.11 mg/l (daphnia) (OECD 202)
LC50/96h	0.06 mg/l (fish) (OECD 203)
ErC50 / 72 h	0.071 mg/l (algae) (OECD 201)
NOEC / 72h	0.02 mg/l (algae) (OECD 201)
NOEC / 96h	0.032 mg/l (fish) (OECD 203)
NOEC / 48h	0.076 mg/l (daphnia) (OECD 202)
ErC10	0.001 mg/L /21d (daphnia) (OECD 211)
  - **12.2 Persistence and degradability**

94-36-0 dibenzoyl peroxide	
Biodegradation	71 % /28d (nd) (OECD 301D)
  - **12.3 Bioaccumulative potential** No further relevant information available.
  - **12.4 Mobility in soil** No further relevant information available.
  - **Ecotoxicological effects:**
    - **Remark:** Harmful to fish

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- **Additional ecological information:**
  - **General notes:** Harmful to aquatic organisms
- **12.5 Results of PBT and vPvB assessment**
  - **PBT:** Not applicable.
  - **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.


### SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
  - **Recommendation**  
Small quantities can be polymerized with the matching system component(s) and the cured solid material can be disposed of with the regular garbage. Larger quantities must be disposed of following the regulations of the local authorities.
- **Uncleaned packagings:**
  - **Recommendation:** Disposal must be made according to official regulations.

### SECTION 14: Transport information

- **14.1 UN-Number**
  - **ADR, IMDG, IATA** UN3077
- **14.2 UN proper shipping name**
  - **ADR** 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Ethylene dibenzoate, dibenzoyl peroxide)
  - **IMDG, IATA** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Ethylene dibenzoate, dibenzoyl peroxide)
- **14.3 Transport hazard class(es)**
  - **ADR**



  - **Class** 9 (M7) Miscellaneous dangerous substances and articles.
  - **Label** 9
- **IMDG**


- **Class** 9 Miscellaneous dangerous substances and articles.

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· <b>Label</b>	9
· <b>IATA</b>	
	
· <b>Class</b>	9 Miscellaneous dangerous substances and articles.
· <b>Label</b>	9
· <b>14.4 Packing group</b> · <b>ADR, IMDG, IATA</b>	III
· <b>14.5 Environmental hazards:</b> · <b>Special marking (ADR):</b> · <b>Special marking (IATA):</b>	Symbol (fish and tree) Symbol (fish and tree)
· <b>14.6 Special precautions for user</b>  · <b>Kemler Number:</b> · <b>EMS Number:</b> · <b>Stowage Category</b> · <b>Stowage Code</b>	Warning: Miscellaneous dangerous substances and articles. 90 F-A,S-F A SW23 When transported in BK3 bulk container, see 7.6.2.12 and 7.7.3.9.
· <b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	-
· <b>ADR</b> · <b>Limited quantities (LQ)</b> · <b>Excepted quantities (EQ)</b>	5 kg Code: E1 Maximum net quantity per inner packaging: 30 g Maximum net quantity per outer packaging: 1000 g
· <b>Transport category</b> · <b>Tunnel restriction code</b>	3 -
· <b>IMDG</b> · <b>Limited quantities (LQ)</b> · <b>Excepted quantities (EQ)</b>	5 kg Code: E1 Maximum net quantity per inner packaging: 30 g Maximum net quantity per outer packaging: 1000 g
· <b>UN "Model Regulation":</b>	UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (ETHYLENE DIBENZOATE, DIBENZOYL PEROXIDE), 9, III

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### SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
  - **Directive 2012/18/EU**
    - **Named dangerous substances - ANNEX I** None of the ingredients is listed.
    - **Seveso category E2** Hazardous to the Aquatic Environment
    - **Qualifying quantity (tonnes) for the application of lower-tier requirements** 200 t
    - **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t
  - **National regulations**
    - **Information about limitation of use:**  
Employment restrictions concerning young persons must be observed.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

These data are based on our present knowledge. However, they 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.
  - H317 May cause an allergic skin reaction.
  - H319 Causes serious eye irritation.
  - H400 Very toxic to aquatic life.
  - H410 Very toxic to aquatic life with long lasting effects.
- **Abbreviations and acronyms:**
  - ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
  - IMDG: International Maritime Code for Dangerous Goods
  - IATA: International Air Transport Association
  - GHS: Globally Harmonised System of Classification and Labelling of Chemicals
  - EINECS: European Inventory of Existing Commercial Chemical Substances
  - ELINCS: European List of Notified Chemical Substances
  - CAS: Chemical Abstracts Service (division of the American Chemical Society)
  - DNEL: Derived No-Effect Level (REACH)
  - PNEC: Predicted No-Effect Concentration (REACH)
  - LC50: Lethal concentration, 50 percent
  - LD50: Lethal dose, 50 percent
  - PBT: Persistent, Bioaccumulative and Toxic
  - vPvB: very Persistent and very Bioaccumulative
  - Self-react. B: Self-reactive substances and mixtures – Type B
  - Org. Perox. B: Organic peroxides – Type B
  - Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
  - Skin Sens. 1: Skin sensitisation – Category 1
  - Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
  - Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
  - Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
- **Sources**
  - (EC) 1272/2008: classification, labelling and packaging of substances and mixtures
  - (EC) 1907/2006: REACH
  - ADR/RID/ADN - IMDG - IATA: transport of dangerous goods by road, rail, inland waterway, with maritime vessels and for the air transport
- **\* Data compared to the previous version altered.**