

Trade name: **PEROXAN BP-Paste 15 S 1 weiss**

(Contd. of page 1)

| | | |
|--|---|-------|
| CAS: 107-21-1 EINECS: 203-473-3 Index number: 603-027-00-1 Reg-No.: 01-2119456816-28 | ethanediol STOT RE 2, H373; Acute Tox. 4, H302 | 5-10% |
| · Additional information: For the wording of the listed hazard phrases refer to section 16. | | |

SECTION 4: First aid measures

· 4.1 Description of first aid measures

· General information:



Take care of personal protection for the first aider.

· 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.
Take affected persons into fresh air and keep quiet.

· After skin contact:

Immediately wash with water and soap and rinse thoroughly.
Immediately remove contaminated clothing.

· After eye contact:

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

· After swallowing:

If symptoms persist 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

Treatment: Symptomatic treatment
No further relevant information available.

SECTION 5: Firefighting measures

· 5.1 Extinguishing media

· Suitable extinguishing agents:

Use fire extinguishing methods suitable to surrounding conditions.

· 5.2 Special hazards arising from the substance or mixture

Under certain fire conditions, traces of other toxic gases cannot be excluded.

· 5.3 Advice for firefighters

· Protective equipment:

Mouth respiratory protective device.
Do not inhale explosion gases or combustion gases.
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.
Collect contaminated fire fighting water separately. It must not enter the sewage system.
Self-protection first!

· Additional information

SECTION 6: Accidental release measures

· 6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

· 6.2 Environmental precautions:

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



Do not allow to enter sewers/ surface or ground water.

· 6.3 Methods and material for containment and cleaning up:

Ensure adequate ventilation.
Soak up with absorbant material (e. g. Vermiculit) and dispose of in accordance with government regulations.

· 6.4 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.
In case of large spillage the environmental authority should be informed.

SECTION 7: Handling and storage

· 7.1 Precautions for safe handling

Store in cool, dry place in tightly closed receptacles.
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
Wear suitable respiratory protective device when decanting larger quantities without extractor facilities.
Use only in well ventilated areas.
Before break and at the end of work hands should be thoroughly washed.
Avoid contact with skin and eyes.
While using do not eat, drink or smoke.

· Information about fire - and explosion protection:

No special measures required.

· 7.2 Conditions for safe storage, including any incompatibilities

· Storage:

Pay attention to the special requirements of your local authorities for storing dangerous goods.

(Contd. on page 3)

Trade name: PEROXAN BP-Paste 15 S 1 weiss

(Contd. of page 2)

- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
Prevent any seepage into the ground.
Use only receptacles specifically permitted for this substance/product.
- **Information about storage in one common storage facility:** Store away from foodstuffs, drinks and feeding stuffs.
- **Further information about storage conditions:** Keep container tightly sealed.
Store in cool, dry conditions in well sealed receptacles.
Store in a cool place.
Storage in a collecting room is required.
- **Maximum storage temperature:** 30 °C
- **Minimum storage temperature:** 5 °C
- **Storage class:** 10-13
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

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

56-81-5 glycerol

WEL (Great Britain) Long-term value: 10 mg/m³

94-36-0 dibenzoyl peroxide

WEL (Great Britain) Long-term value: 5 mg/m³

107-21-1 ethanediol

| | |
|---------------------|--|
| WEL (Great Britain) | Short-term value: 104** mg/m ³ , 40** ppm Long-term value: 10* 52** mg/m ³ , 20** ppm Sk *particulate **vapour |
| IOELV (EU) | Short-term value: 104 mg/m ³ , 40 ppm Long-term value: 52 mg/m ³ , 20 ppm Skin |

· DNELs

94-36-0 dibenzoyl peroxide

| | | |
|------------|----------------------|-------------------------------|
| Dermal | DNEL Longterm System | 34.3 mg/kg bw/day (Worker) |
| Inhalative | DNEL Longterm System | 39 mg/m ³ (Worker) |

107-21-1 ethanediol

| | | |
|------------|----------------------|-------------------------------|
| Dermal | DNEL Longterm System | 106 mg/kg bw/day (Worker) |
| Inhalative | DNEL Longterm Local | 35 mg/m ³ (Worker) |

· PNECs

94-36-0 dibenzoyl peroxide

| | |
|-----------------------------|------------------------|
| PNEC Marinewater sediment | 0.001 mg/kg sed dw |
| PNEC Freshwater | 0.00002 mg/l (AF 50) |
| PNEC Freshwater sediment | 0.013 mg/kg sed dw |
| PNEC Soil | 0.003 mg/kg soil dw |
| PNEC Sewage treatment plant | 0.35 mg/l (AF 100) |
| PNEC Marinewater | 0.000002 mg/l (AF 500) |

107-21-1 ethanediol

| | |
|-----------|-------------------------|
| PNEC Soil | 5 mg/kg soil dw (AF 50) |
|-----------|-------------------------|

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

· 8.2 Exposure controls

- **Appropriate engineering controls** Effective exhaust ventilation system. Minimize workplace exposure concentrations.
Ensure that eyewash stations and safety showers are close to the workstation location.
- **Individual protection measures, such as personal protective equipment**
- **General protective and hygienic measures:** The usual precautionary measures are to be adhered to when handling chemicals.
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 close or long term contact with the skin.
Avoid contact with the eyes and skin.
Do not eat, drink, smoke or sniff while working.
Use skin protection cream for skin protection.
Be sure to clean skin thoroughly after work and before breaks.
- **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.

(Contd. on page 4)

Trade name: **PEROXAN BP-Paste 15 S 1 weiss**

(Contd. of page 3)



Use suitable respiratory device when it exceed exposure limit and when insufficiently ventilated.

Filter A2

· Hand protection



Only use chemical-protective gloves with CE-labelling of category III.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· Material of gloves

Protective 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.

· 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.

· Eye/face protection



Tightly sealed goggles

· Body protection:



Protective work clothing

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

| | |
|--|------------------------------------|
| · General Information | |
| · Physical state | Liquid |
| · Colour: | White |
| · Odour: | Characteristic |
| · Odour threshold: | Not determined |
| · Melting point/freezing point: | Undetermined |
| · Boiling point or initial boiling point and boiling range | Not applicable |
| · Flammability | Not applicable |
| · Lower and upper explosion limit | |
| · Lower: | Not determined |
| · Upper: | Not determined |
| · Flash point: | Not determined. |
| · Decomposition temperature: | +50 °C (SADT) |
| · pH | Mixture is non-soluble (in water). |
| · Viscosity: | |
| · Kinematic viscosity | Not determined |
| · Dynamic: | Not determined |
| · Solubility | |
| · water: | Undetermined |
| · Partition coefficient n-octanol/water (log value) | not determined |
| | Not determined |
| | Not determined |
| · Vapour pressure: | |
| · Density and/or relative density | |
| · Density at 20 °C: | 1.35-1.45 g/cm ³ |
| · Relative density | Not determined |
| · Vapour density | Not determined |

· 9.2 Other information

| | |
|---|---|
| · Appearance: | |
| · Form: | Pasty |
| · Important information on protection of health and environment, and on safety. | |
| · Ignition temperature: | Product is not selfigniting. |
| · Explosive properties: | Product does not present an explosion hazard. |
| · Change in condition | |
| · Evaporation rate | Not determined |
| · Information with regard to physical hazard classes | Void |
| · Other safety characteristics | |
| · Active oxygen | 0.92 - 1.00 % |

SECTION 10: Stability and reactivity

| | |
|---|--|
| · 10.1 Reactivity | Stable under the specified storage conditions. |
| · 10.2 Chemical stability | |
| · Thermal decomposition / 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 | No further relevant information available. |
| · 10.5 Incompatible materials: | No further relevant information available. |

(Contd. on page 5)

Trade name: **PEROXAN BP-Paste 15 S 1 weiss**

(Contd. of page 4)

- **10.6 Hazardous decomposition products:** Fire and decomposition may produce irritating, corrosive, flammable, harmful or toxic gases and vapours.
- **Additional information:** Emergency procedures will vary depending on conditions. The customer should have an emergency response plan in place.

SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

- **LD/LC50 values relevant for classification:**

56-81-5 glycerol

| | | |
|--------|------|------------------------|
| Oral | LD50 | 12,600 mg/kg (Rat) |
| Dermal | LD50 | >18,700 mg/kg (rabbit) |

94-36-0 dibenzoyl peroxide

| | | |
|------|------|--------------------|
| Oral | LD50 | >5,000 mg/kg (Rat) |
|------|------|--------------------|

107-21-1 ethanediol

| | | |
|--------|------|------------------------|
| Oral | LD50 | 4,000 mg/kg (Rat) |
| Dermal | LD50 | ~10,600 mg/kg (rabbit) |

- **Primary irritant effect:**
- **Serious eye damage/irritation** Causes serious eye irritation.
- **Respiratory or skin sensitisation** May cause an allergic skin reaction.

- **11.2 Information on other hazards**

- **Endocrine disrupting properties**
- None of the ingredients is listed.

SECTION 12: Ecological information

- **12.1 Toxicity**

- **Aquatic toxicity:**

94-36-0 dibenzoyl peroxide

| | |
|------------|---|
| EC50 / 72h | 0.0711 mg/l (pseudokirchneriella subcapitata) |
| LC50 / 96h | 0.0602 mg/l (oncorhynchus mykiss) |
| EC50 / 48h | 110 mg/l (daphnia) |

107-21-1 ethanediol

| | |
|------------|--|
| LC50 / 96h | 18,500 mg/l (oncorhynchus mykiss) |
| EC50 / 48h | >10,000 mg/l (daphnia) |
| EC50 / 96h | 6,500-7,500 mg/l (pseudokirchneriella subcapitata) |
| NOEL / 48h | 10 mg/l |

- **12.2 Persistence and degradability**

- **Degree of elimination:**

- **Classification:**

56-81-5 glycerol

| | |
|-------------|-------------------------|
| Degradation | (Readily biodegradable) |
|-------------|-------------------------|

94-36-0 dibenzoyl peroxide

| | |
|-------------|--------------------------------------|
| Degradation | (Readily biodegradable) (OECD 301 D) |
|-------------|--------------------------------------|

107-21-1 ethanediol

| | |
|-------------|--------------------------------------|
| Degradation | (Readily biodegradable) (OECD 301 C) |
|-------------|--------------------------------------|

- **12.3 Bioaccumulative potential**

- **Partition coefficient: nOctanol/water: [Log Kow]**

| | | |
|----------|--------------------|--------------|
| 56-81-5 | glycerol | -1,75 (25°C) |
| 94-36-0 | dibenzoyl peroxide | 3,2 (20°C) |
| 107-21-1 | ethanediol | -1,36 (25°C) |

- **12.4 Mobility in soil** No further relevant information available.

- **12.5 Results of PBT and vPvB assessment**

- **PBT:** The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH, annex XIII.
- **vPvB:** The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH, annex XIII.

- **12.6 Endocrine disrupting properties**

The product does not contain substances with endocrine disrupting properties.

- **12.7 Other adverse effects**

- **Remark:** Very toxic for fish

- **Additional ecological information:**

- **General notes:** Also poisonous for fish and plankton in water bodies.
Very toxic for aquatic organisms

(Contd. on page 6)

Trade name: **PEROXAN BP-Paste 15 S 1 weiss**

(Contd. of page 5)

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.

SECTION 13: Disposal considerations

· 13.1 Waste treatment methods
· Recommendation



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

· Waste disposal key:

Please contact your hazardous waste disposers to assign the right EWC-(European waste catalog)-number.

· Uncleaned packaging:

· Recommendation:

This material and its container must be disposed of as hazardous waste.

SECTION 14: Transport information

| | |
|--|--|
| · 14.1 UN number or ID number · ADR, IMDG, IATA | UN3077 |
| · 14.2 UN proper shipping name · ADR · IMDG · IATA | UN3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (DIBENZOYL PEROXIDE) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (DIBENZOYL PEROXIDE), MARINE POLLUTANT ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (DIBENZOYL PEROXIDE) |
| · 14.3 Transport hazard class(es) · ADR · Class · Label | 9 (M7) Miscellaneous dangerous substances and articles. 9 |
| · IMDG, IATA · Class · Label | 9 Miscellaneous dangerous substances and articles. 9 |
| · 14.4 Packing group · ADR, IMDG, IATA | III |
| · 14.5 Environmental hazards: · Marine pollutant: · Special marking (ADR): · Special marking (IATA): | Product contains environmentally hazardous substances: DIBENZOYL PEROXIDE Symbol (fish and tree) Symbol (fish and tree) Symbol (fish and tree) |
| · 14.6 Special precautions for user · Stowage Category · Stowage Code | Warning: Miscellaneous dangerous substances and articles. A SW23 When transported in BK3 bulk container, see 7.6.2.12 and 7.7.3.9. |
| · 14.7 Maritime transport in bulk according to IMO instruments | Not applicable |
| · Transport/Additional information: · ADR · Limited quantities (LQ) · Excepted quantities (EQ) · Transport category · Tunnel restriction code | 5 kg Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml 3 E |
| · RID / GGVSEB: | like ADR |
| · IMDG · Limited quantities (LQ) | 5 kg |

(Contd. on page 7)
GB

Trade name: **PEROXAN BP-Paste 15 S 1 weiss**

(Contd. of page 6)

· Excepted quantities (EQ)

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

SECTION 15: Regulatory information

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

· Poisons Act

· Regulated explosives precursors

None of the ingredients is listed.

· Regulated poisons

None of the ingredients is listed.

· Reportable explosives precursors

None of the ingredients is listed.

· Reportable poisons

None of the ingredients is listed.

· Directive 2012/18/EU

· Named dangerous substances - ANNEX I

None of the ingredients is listed.

· Seveso category

E1 Hazardous to the Aquatic Environment

· Qualifying quantity (tonnes) for the application of lower-tier requirements

100 t

· Qualifying quantity (tonnes) for the application of upper-tier requirements

200 t

· REGULATION (EC) No 1907/2006 ANNEX XVII

Conditions of restriction: 3, 78

· Additional information on Entry 78

The estimated overall proportion of microplastics in the mixture is approx. 0.01-1 %

Process the product in closed systems or with suitable extraction/filtering techniques avoid release to soil wastewater surface water

Collect cleaning waters separately and forward them to appropriate disposal do not discharge into the sewer system

Collect product residues and contaminated packaging in containers do not rinse dispose of in accordance with legal requirements

· Synthetic polymer microparticles

9002-88-4 Polyethylene low density
Type of polymer: Polyethylene

0.01-1%

· DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

· REGULATION (EU) 2019/1148

· Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

· Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

· Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

· Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

· National regulations:

· Other regulations, limitations and prohibitive regulations

· Please note: Take care of the respective local regulations.

· 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present 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.

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

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

(Contd. on page 8)

Safety data sheet
 according to Regulation (EC) No 1907/2006, Article 31

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Version: 3 (replaces version 2)

Revision: 30.03.2026

Trade name: **PEROXAN BP-Paste 15 S 1 weiss**

(Contd. of page 7)

· **Contact:**

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· **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 (UK REACH)

PNEC: Predicted No-Effect Concentration (UK REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Org. Perox. B: Organic peroxides – Type B

Acute Tox. 4: Acute toxicity – Category 4

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1: Skin sensitisation – Category 1

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

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

· * Data compared to the previous version altered.

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