

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

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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.

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- **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

IOELV (EU)	Short-term value: 104 mg/m ³ , 40 ppm Long-term value: 52 mg/m ³ , 20 ppm Skin
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

· 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)
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· **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.

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<ul style="list-style-type: none"> · Hand protection · Material of gloves · Penetration time of glove material · Eye/face protection · Body protection: 	 Use suitable respiratory device when it exceed exposure limit and when insufficiently ventilated. Filter A2 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 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. The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.  Tightly sealed goggles  Protective work clothing
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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties	
<ul style="list-style-type: none"> · General Information · Physical state · Colour: · Odour: · Odour threshold: · Melting point/freezing point: · Boiling point or initial boiling point and boiling range · Flammability · Lower and upper explosion limit · Lower: · Upper: · Flash point: · Decomposition temperature: · pH · Viscosity: · Kinematic viscosity · Dynamic: · Solubility · water: · Partition coefficient n-octanol/water (log value) · Vapour pressure: · Density and/or relative density · Density at 20 °C: · Relative density · Vapour density 	<p>Liquid White Characteristic Not determined Undetermined Not applicable Not applicable Not determined Not determined Not determined. +50 °C (SADT) Mixture is non-soluble (in water). Not determined Not determined Undetermined not determined Not determined Not determined 1,35-1,45 g/cm³ Not determined Not determined</p>
9.2 Other information	
<ul style="list-style-type: none"> · Appearance: · Form: · Important information on protection of health and environment, and on safety. · Ignition temperature: · Explosive properties: · Change in condition · Evaporation rate 	<p>Pasty Product is not selfigniting. Product does not present an explosion hazard. Not determined</p>
Information with regard to physical hazard classes	
<ul style="list-style-type: none"> · Other safety characteristics · Active oxygen 	<p>Void 0,92 - 1,00 %</p>

SECTION 10: Stability and reactivity

<ul style="list-style-type: none"> · 10.1 Reactivity · 10.2 Chemical stability · Thermal decomposition / conditions to be avoided: · 10.3 Possibility of hazardous reactions · 10.4 Conditions to avoid · 10.5 Incompatible materials: 	<p>Stable under the specified storage conditions. No decomposition if used and stored according to specifications. No dangerous reactions known. No further relevant information available. No further relevant information available.</p>
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- **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 plane 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)
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107-21-1 ethanediol

Oral	LD50	4.000 mg/kg (Rat)
Dermal	LD50	~10.600 mg/kg (rabbit)

- **Primary irritant effect:**
- **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.
- **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)
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94-36-0 dibenzoyl peroxide

Degradation	(Readily biodegradable) (OECD 301 D)
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107-21-1 ethanediol

Degradation	(Readily biodegradable) (OECD 301 C)
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- **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 REACH, annex XIII.
- **vPvB:** The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.


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- 12.6 Endocrine disrupting properties The product does not contain substances with endocrine disrupting properties.
- 12.7 Other adverse effects Very toxic for fish
- Remark: Also poisonous for fish and plankton in water bodies.
- Additional ecological information: Very toxic for aquatic organisms
- 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.

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 · RID / GGVSEB:	5 kg Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml 3 E like ADR

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

Printing date 02.04.2026

Version: 3 (replaces version 2)

Revision: 30.03.2026

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<ul style="list-style-type: none"> · IMDG · Limited quantities (LQ) · Excepted quantities (EQ) 	5 kg Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
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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
 - 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%
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· 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.

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.

- Contact: Tel: +49 2871 9902-0
E-mail: mail@pergan.com
- Version number of previous version: 2
- 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
 - 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

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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.

— MT —