

Printing date 03.04.2024 Version: 8 (replaces version 7) Revision: 16.02.2023

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

· 1.1 Product identifier

PEROXAN PB-50 P · Trade name:

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

Reaction initiator For industrial use

· 1.3 Details of the supplier of the safety data sheet

· Manufacturer/Supplier: PERGAN GmbH

Hilfsstoffe für industrielle Prozesse

Schlavenhorst 71 D-46395 Bocholt Tel: +49 2871 9902-0 Fax: +49 2871 9902-50

· Further information obtainable

Environment protection / Security of labour from:

Qualified person: E-mail: msds@pergan.com

1.4 Emergency telephone

- Tel: +49 2871 9902-0 number:

#### **SECTION 2: Hazards identification**

· 2.1 Classification of the substance or mixture

· Classification according to Regulation (EC) No 1272/2008

Org. Perox. D H242 Heating may cause a fire. Skin Irrit. 2 H315 Causes skin irritation.

Skin Sens. 1 H317 May cause an allergic skin reaction.

H400 Very toxic to aquatic life. Aguatic Acute 1

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

2.2 Label elements

 Labelling according to Hazard pictograms

Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.





· Signal word Danger

· Hazard-determining

components of labelling:

tert-butyl perbenzoate **Hazard statements** 

H242 Heating may cause a fire. H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H410 Very toxic to aquatic life with long lasting effects.

· Precautionary statements Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No

smokina.

P220 Keep away from dirt, rust, chemicals in particular concentrated acids, alkalis and accelerators

(e. g. heavy metal compounds and amines).

P234 Keep only in original packaging. P264 Wash thoroughly after handling. P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

P370+P378 In case of fire: Use CO2, powder or water spray to extinguish.

P410 Protect from sunlight.

P411+P235 Store at temperatures not exceeding +30°C. Keep cool.

P420 Store separately.

P501 Dispose of contents/container in accordance with local/regional/national/international

regulations.

· 2.3 Other hazards

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.

Determination of endocrine-

disrupting properties The product does not contain substances with endocrine disrupting properties.

IE -



Printing date 03.04.2024 Version: 8 (replaces version 7) Revision: 16.02.2023

Trade name: PEROXAN PB-50 P

(Contd. of page 1)

40-50%

### **SECTION 3: Composition/information on ingredients**

· 3.2 Mixtures

· Dangerous components:

CAS: 614-45-9 tert-butyl perbenzoate EINECS: 210-382-2

Org. Perox. C, H242; Aquatic Acute 1, H400; Acute Tox. 4, H332; Skin Irrit. 2, H315; Skin Sens. 1, H317; Aquatic Chronic 3, H412

Reg-No.: 01-2119513317-46

· 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: Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48

Take care of personal protection for the first aider.

hours after the accident.

· 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.

After swallowing: If symptoms persist consult doctor.

4.2 Most important symptoms and effects, both acute and delayed

4.3 Indication of any immediate medical attention and special

treatment needed

No further relevant information available.

No further relevant information available.

### **SECTION 5: Firefighting measures**

· 5.1 Extinguishing media

· Suitable extinguishing agents: CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

5.2 Special hazards arising from

the substance or mixture

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

Hydrocarbons, carbondioxide and -monoxid.

5.3 Advice for firefighters

· Protective equipment: Mouth respiratory protective device.

Do not inhale explosion gases or combustion gases.

· Additional information Cool endangered receptacles with water spray.

Self-protection first!

# **SECTION 6: Accidental release measures**

 6.1 Personal precautions, protective equipment and emergency procedures

Keep away from ignition sources.

In case of further temperature should be cooled with waterspray from a safe distance.

Wear breathing apparatus with filter A during decomposition of materials.

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:

Dispose contaminated material as waste according to section 13.

Ensure adequate ventilation.

Large quantities should be diluted with suitable desensitation agent to a concentration below 10 % before

disposal.

Pick up mechanically, collect in a suitable receptacle and dispose in accordance with government

regulations.

See Section 7 for information on safe handling. 6.4 Reference to other sections

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

(Contd. on page 3)



Printing date 03.04.2024 Version: 8 (replaces version 7) Revision: 16.02.2023

# Trade name: PEROXAN PB-50 P

(Contd. of page 2)

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

### **SECTION 7: Handling and storage**

7.1 Precautions for safe handling

Thorough dedusting.

Keep away from heat and direct sunlight.

Ensure good ventilation/exhaustion at the workplace.

Open and handle receptacle with care.

Prevent formation of dust.

Wear suitable respiratory protective device when decanting larger quantities without extractor facilities.

Do not refill residue into storage receptacles. Restrict the quantity stored at the work place.

Use only in well ventilated areas.

Before break and at the end of work hands should be thoroughly washed. Only use tools made of suitable materials (e. g. polyethylene or stainless steel).

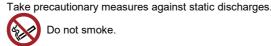
Keep away from dirt, rust, chemicals in particular concentrated acids, alkalis and accelerators (e. g. heavy-

metal compounds and amines). While using do not eat, drink or smoke.

Do not generate flames or sparks.

Keep product and emptied container away from heat and sources of ignition.

Avoid shock and friction.



Do not smoke.

· Information about fire - and explosion protection:

Protect from heat.

Protect against electrostatic charges.

Prevent impact and friction.

Use explosion-proof apparatus / fittings and spark-proof tools. Dust can combine with air to form an explosive mixture.

Substance/product is oxidising when dry

Product is not explosive. However, formation of explosive air/dust mixtures are possible.



Avoid open flames, sparks, direct sunlight and other sources of ignition.

Keep ignition sources away - Do not smoke.

· 7.2 Conditions for safe storage, including any incompatibilities Storage:

Requirements to be met by

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

storerooms and receptacles:

Store only in the original receptacle. Prevent any seepage into the ground.

Use only receptacles specifically permitted for this substance/product.

· Information about storage in one common storage facility:

Do not store or park organic peroxide together with heavy metal compounds and amines.

Store away from foodstuffs, drinks and feeding stuffs.

Further information about storage conditions:

Keep container tightly sealed. Protect from heat and direct sunlight. Protect from contamination. Storage in a collecting room is required.

Recommended storage temperature (To maintain

quality): Storage class:

+10 .... +30 °C

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:

The product does not contain any relevant quantities of materials with critical values that have to be

monitored at the workplace.

(Contd. on page 4)



Printing date 03.04.2024 Version: 8 (replaces version 7) Revision: 16.02.2023

Trade name: PEROXAN PB-50 P

(Contd. of page 3)

614-45-9 tert-butyl perbenzoate

Dermal DNEL Longterm System 17,5 mg/kg bw/day (Worker)

Inhalative DNEL Longterm System 24,7 mg/m3 (Worker)

· PNECs

· DNFI s

614-45-9 tert-butyl perbenzoate

PNEC Marinewater sed 0,028 mg/kg sed dw 0,01 mg/l (AF 10) PNFC Freshwater PNEC Freshwater sed 0,28 mg/kg sed dw PNEC Soil 0,049 mg/kg soil dw 0,6 mg/l (AF 10) PNEC STP **PNEC Marinewater** 0,00101 mg/l (AF 100)

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

8.2 Exposure controls

Appropriate engineering

controls No further data; see section 7.

· Individual protection measures, such as personal protective equipment

General protective and

The usual precautionary measures are to be adhered to when handling chemicals. 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 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.

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



Filter P2

· 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

Protective gloves · 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.

Butvl rubber, BR

Fluorocarbon rubber (Viton) Nitrile rubber, NBR

Neoprene

· 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

· Colour:

· Odour:

· Odour threshold:

· Melting point/freezing point:

Boiling point or initial boiling point and boiling range

white - yellowish

Characteristic Not determined.

Not applicable. Not applicable.

(Contd. on page 5)

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



Printing date 03.04.2024 Version: 8 (replaces version 7) Revision: 16.02.2023

# Trade name: PEROXAN PB-50 P

(Contd. of page 4)

· Flammability	May cause fire.
Lower and upper explosion limit	·
Lower:	Not determined.
· Upper:	Not determined.
Flash point:	Not applicable.
Decomposition temperature:	> +60 °C (SADT)
· pH	Not applicable.
· Viscosity:	1101 applicable.
· Kinematic viscosity	Not applicable.
· Dynamic:	Not applicable.
· Solubility	1101 applicable.
· water:	Undetermined.
Partition coefficient n-octanol/water (log value)	not determined
· Vapour pressure:	Not applicable.
Density and/or relative density	Not applicable.
Density:	Not determined.
Relative density	Not determined.
Bulk density at 20 °C:	340 kg/m³
· Vapour density	Not applicable.
· Particle characteristics	τιοι αρριισασίο.
i diticle characteristics	
Can anation 2	
See section 3.	
• 9.2 Other information	No further relevant information available.
9.2 Other information	No further relevant information available.
	No further relevant information available.
9.2 Other information Appearance: Form:	Powder
9.2 Other information Appearance: Form: Important information on protection of health and environ	Powder
9.2 Other information Appearance: Form:	Powder ment,
9.2 Other information Appearance: Form: Important information on protection of health and environ and on safety. Ignition temperature:	Powder ment,  Product is not selfigniting.
9.2 Other information Appearance: Form: Important information on protection of health and environ and on safety.	Powder ment,
9.2 Other information Appearance: Form: Important information on protection of health and environ and on safety. Ignition temperature:	Powder  ment,  Product is not selfigniting.  Product is not explosive. However, formation of explosive air/dust
9.2 Other information Appearance: Form: Important information on protection of health and environ and on safety. Ignition temperature: Explosive properties:	Powder  ment,  Product is not selfigniting.  Product is not explosive. However, formation of explosive air/dust
9.2 Other information Appearance: Form: Important information on protection of health and environ and on safety. Ignition temperature: Explosive properties: Change in condition Evaporation rate	Powder  ment,  Product is not selfigniting.  Product is not explosive. However, formation of explosive air/dust mixtures are possible.
9.2 Other information Appearance: Form: Important information on protection of health and environ and on safety. Ignition temperature: Explosive properties: Change in condition Evaporation rate Information with regard to physical hazard classes	Powder  ment,  Product is not selfigniting.  Product is not explosive. However, formation of explosive air/dust mixtures are possible.  Not applicable.
9.2 Other information Appearance: Form: Important information on protection of health and environ and on safety. Ignition temperature: Explosive properties: Change in condition Evaporation rate Information with regard to physical hazard classes Explosives	Product is not selfigniting. Product is not explosive. However, formation of explosive air/dust mixtures are possible.  Not applicable.  Void
9.2 Other information Appearance: Form: Important information on protection of health and environ and on safety. Ignition temperature: Explosive properties: Change in condition Evaporation rate Information with regard to physical hazard classes Explosives Flammable gases	Product is not selfigniting. Product is not explosive. However, formation of explosive air/dust mixtures are possible.  Not applicable.  Void Void
9.2 Other information Appearance: Form: Important information on protection of health and environ and on safety. Ignition temperature: Explosive properties: Change in condition Evaporation rate Information with regard to physical hazard classes Explosives Flammable gases Aerosols	Product is not selfigniting. Product is not explosive. However, formation of explosive air/dust mixtures are possible.  Not applicable.  Void Void Void Void
9.2 Other information Appearance: Form: Important information on protection of health and environ and on safety. Ignition temperature: Explosive properties: Change in condition Evaporation rate Information with regard to physical hazard classes Explosives Flammable gases Aerosols Oxidising gases	Product is not selfigniting. Product is not explosive. However, formation of explosive air/dust mixtures are possible.  Not applicable.  Void Void Void Void Void Void
9.2 Other information Appearance: Form: Important information on protection of health and environ and on safety. Ignition temperature: Explosive properties: Change in condition Evaporation rate Information with regard to physical hazard classes Explosives Flammable gases Aerosols Oxidising gases Gases under pressure	Product is not selfigniting. Product is not explosive. However, formation of explosive air/dust mixtures are possible.  Not applicable.  Void Void Void Void Void Void Void Voi
9.2 Other information Appearance: Form: Important information on protection of health and environ and on safety. Ignition temperature: Explosive properties: Change in condition Evaporation rate Information with regard to physical hazard classes Explosives Flammable gases Aerosols Oxidising gases Gases under pressure Flammable liquids	Product is not selfigniting. Product is not explosive. However, formation of explosive air/dust mixtures are possible.  Not applicable.  Void Void Void Void Void Void Void Voi
9.2 Other information Appearance: Form: Important information on protection of health and environand on safety. Ignition temperature: Explosive properties: Change in condition Evaporation rate Information with regard to physical hazard classes Explosives Flammable gases Aerosols Oxidising gases Gases under pressure Flammable liquids Flammable solids	Product is not selfigniting. Product is not explosive. However, formation of explosive air/dust mixtures are possible.  Not applicable.  Void Void Void Void Void Void Void Voi
9.2 Other information Appearance: Form: Important information on protection of health and environand on safety. Ignition temperature: Explosive properties: Change in condition Evaporation rate Information with regard to physical hazard classes Explosives Flammable gases Aerosols Oxidising gases Gases under pressure Flammable liquids	Product is not selfigniting. Product is not explosive. However, formation of explosive air/dust mixtures are possible.  Not applicable.  Void Void Void Void Void Void Void Voi

Void

Void

Void

Void

Void

Void

Void

4,0 - 4,2 %

Heating may cause a fire.

# **SECTION 10: Stability and reactivity**

Self-heating substances and mixtures

· Substances and mixtures, which emit flammable gases in

· 10.1 Reactivity

· 10.2 Chemical stability

· Pyrophoric solids

contact with water

Organic peroxides

Corrosive to metals

· Desensitised explosives

Other safety characteristics

· Oxidising liquids

· Oxidising solids

· Active oxygen

· Thermal decomposition / conditions to be avoided: No further relevant information available.

SADT (Self Accelerating Decomposition Temperature) is the lowest temperature at which self accelerating decomposition may occur with substance in the packaging as used in transport. A dangerous selfaccelerating decomposition reaction and, under certain circumstances, explosion or fire can be cause decomposition at and above the temperature. Contact with incompatible substances can cause decomposition at or below the SADT.

No decomposition if used and stored according to specifications.

To avoid thermal decomposition do not overheat.

(Contd. on page 6)



(Contd. of page 5)

Printing date 03.04.2024 Version: 8 (replaces version 7) Revision: 16.02.2023

Trade name: PEROXAN PB-50 P

· 10.3 Possibility of hazardous

reactions

Self-accelerating decomposition at SADT. · 10.4 Conditions to avoid No further relevant information available.

· 10.5 Incompatible materials: Rapid decomposition by dirt, rust, chemicals in particular concentrated acids, alkalis and accelerators (e. g.

heavy-metal compounds and amines).

· 10.6 Hazardous decomposition

products:

Hydrocarbons, carbondioxide and -monoxid.

No hazardous decomposition products if used and stored according to specifications.

· 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:

### 614-45-9 tert-butyl perbenzoate

Oral	LD50	4.838 mg/kg (rattus)
Dermal	LD50	3.817 mg/kg (rattus)
Inhalative	LC100 4h	4,9 mg/l (rattus)
	LC0 / 4h	1,01 mg/l (rattus)

Skin corrosion/irritation Causes skin irritation.

· Serious eye damage/irritation Based on available data, the classification criteria are not met.

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: No further relevant information available.

12.2 Persistence and degradability

Degree of elimination:

· Classification:

# 614-45-9 tert-butyl perbenzoate

Degradation (Readily biodegradable) (OECD 301 D)

12.3 Bioaccumulative potential

614-45-9 tert-butyl perbenzoate

# · Partition coefficient: nOctanol/water: [Log Kow]

12.4 Mobility in soil No further relevant information available. 3 (25°C)

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.

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII. 12.6 Endocrine disrupting

properties The product does not contain substances with endocrine disrupting properties.

12.7 Other adverse effects No further relevant information available.

· Remark: Very toxic for fish

· Additional ecological information:

General notes: Also poisonous for fish and plankton in water bodies.

Very toxic for aquatic organisms

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.

> ΙE (Contd. on page 7)



Printing date 03.04.2024 Version: 8 (replaces version 7) Revision: 16.02.2023

Trade name: PEROXAN PB-50 P

(Contd. of page 6)

# **SECTION 13: Disposal considerations**

· 13.1 Waste treatment methods

· Recommendation



After diluting with a suitable inert solid material to 10 %, the product must be supplied to a special treatment (e. g. thermal utilization) under observance of all official regulations.

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

· Waste disposal key: Please conta

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

number

· Uncleaned packaging:

· Limited quantities (LQ)

• 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	UN3106
14.2 UN proper shipping name · ADR	UN3106 ORGANIC PEROXIDE TYPE D, SOLID (tert-BUTYL PEROXYBENZOATE), ENVIRONMENTALLY HAZARDOUS
IMDG	ORGANIC PEROXIDÉ TYPE D, SOLID (tert-BUTYL PEROXYBENZOATE), MARINE POLLUTANT
IATA	ORGANIC PEROXIDE TYPE D, SOLID (tert-BUTYL PEROXYBENZO
14.3 Transport hazard class(es)	
ADR	
· Class · Label	5.2 (P1) Organic peroxides. 5.2
IMDG	J.2
<b>1 1 1 1 1 1 1 1 1 1</b>	
· Class · Label	5.2 Organic peroxides. 5.2
IATA	0.2
· Class	5.2 Organic peroxides.
· Label	5.2
14.4 Packing group ADR, IMDG, IATA	Void
14.5 Environmental hazards:	Product contains environmentally hazardous substances: tert-BUTYL PEROXYBENZOATE
Marine pollutant:	Yes Symbol (fish and tree)
Special marking (ADR):	Symbol (fish and tree)
14.6 Special precautions for user Hazard identification number (Kemler code):	Warning: Organic peroxides.
Stowage Category Stowage Code	D SW1 Protected from sources of heat.
· Segregation Code	SG35 Stow "separated from" SGG1-acids SG36 Stow "separated from" SGG18-alkalis.
14.7 Maritime transport in bulk according to IMO inst	
Transport/Additional information:	
· ADR	

500 g



(Contd. of page 7)

Printing date 03.04.2024 Version: 8 (replaces version 7) Revision: 16.02.2023

Trade name: PEROXAN PB-50 P

· Excepted quantities (EQ) Code: E0 Not permitted as Excepted Quantity

Transport category · Tunnel restriction code D

· RID / GGVSEB: like ADR

·IMDG

Limited quantities (LQ) 500 g Excepted quantities (EQ) Code: E0

Not permitted as Excepted Quantity

### **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 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

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

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.

### **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.

H242 Heating may cause a fire. · Relevant phrases

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H332 Harmful if inhaled. H400 Very toxic to aquatic life.

H412 Harmful to aquatic life with long lasting effects.

 Department issuing SDS: Environment protection / Security of labour

· Contact: Tel: +49 2871 9902-0 E-mail: mail@pergan.com

· Version number of previous

version:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the Abbreviations and acronyms:

International Transport of Dangerous Goods by Rail) ICAO: International Civil Aviation Organisation

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

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)

(Contd. on page 9)

Page 9/9

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



Printing date 03.04.2024 Version: 8 (replaces version 7) Revision: 16.02.2023

Trade name: PEROXAN PB-50 P

(Contd. of page 8)

LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Org. Perox. C: Organic peroxides – Type C/D
Org. Perox. D: Organic peroxides – Type C/D
Acute Tox. 4: Acute toxicity – Category 4
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Skin Sens. 1: Skin sensitisation – Category 1
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 3
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

·\* Data compared to the previous version altered.

IE —