

Printing date 17.04.2024

Version: 18 (replaces version 17)

Revision: 22.02.2023

SECTION 1: Identification of the substance/mixture and of the company/undertaking		
1.1 Product identifier		
· Trade name:	PEROXAN PO	
· CAS Number:	3006-82-4	
· EC number:	221-110-7	
<ul> <li>Registration number:</li> </ul>	01-2119498310-40	
$\cdot$ 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  $\cdot$  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 from: Environment protection / Security of labour Qualified person: E-mail: msds@pergan.com · 1.4 Emergency telephone

- Tel: +49 2871 9902-0

## **SECTION 2: Hazards identification**

number:

2.1 Classification of the substar Classification according to Reg				
• •	g may cause a fire.			
Skin Sens. 1 H317 May cause an allergic skin reaction.				
Repr. 1B H360F May damage fertility.				
Aquatic Acute 1 H400 Very toxic to aquatic life.				
,	o aquatic life with long lasting effects.			
2.2 Label elements				
Labelling according to	The substance is clearly find and labelled according to the CLD perculation			
Regulation (EC) No 1272/2008 · Hazard pictograms	The substance is classified and labelled according to the CLP regulation.			
hazara protogramo				
	GHS02 GHS07 GHS08 GHS09			
· Signal word	Danger			
Hazard-determining				
components of labelling:	tert-butyl 2-ethylperoxyhexanoate			
· Hazard statements	H242 Heating may cause a fire. H317 May cause an allergic skin reaction.			
	H360F May damage fertility.			
	H410 Very toxic to aquatic life with long lasting effects.			
· Precautionary statements	P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.			
	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.			
	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.			
	P401 Store in accordance with local/regional/national/international regulations. P410 Protect from sunlight.			
	P410 Protect from sunlight. P411+P235 Store at temperatures not exceeding +20°C. Keep cool.			
	P501 Dispose of contents/container in accordance with local/regional/national/international			
	regulations.			
Additional information:	Restricted to professional users.			
2.3 Other hazards				
<ul> <li>Results of PBT and vPvB asses</li> <li>PBT:</li> </ul>	ssment This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.			
· vPvB:	This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.			
	(Contd. on page 2)			
	MT			

Version: 18 (replaces version 17)

Printing date 17.04.2024

The Peroxide Company

Revision: 22.02.2023

# Trade name: **PEROXAN PO**

disrupting properties	The product does not contain substances with endocrine disrupting properties.
SECTION 3: Composition/inf	ormation on ingredients
3.1 Substances	
CAS No. Description Identification number(s)	3006-82-4 tert-butyl 2-ethylperoxyhexanoate
· EC number:	221-110-7
Dangerous components:	
	butyl 2-ethylperoxyhexanoate . Perox. C, H242; Repr. 1B, H360F; Aquatic Acute 1, H400; Aquatic Chronic 2, H411; Skin Sens. 317
SECTION 4: First aid measur	res
4.1 Description of first aid meas	
General information:	
	Take care of personal protection for the first aider.
After inhalation:	Take affected persons into fresh air and keep quiet.
After skin contact:	Immediately remove contaminated clothing.
After eye contact: After swallowing:	Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
After swallowing: I.2 Most important symptoms	If symptoms persist consult doctor.
and effects, both acute and	
delayed	No further relevant information available.
1.3 Indication of any immediate	
nedical attention and special reatment needed	No further relevant information available.
Suitable extinguishing agents:	CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
Suitable extinguishing agents: 5.2 Special hazards arising from the substance or mixture 5.3 Advice for firefighters	n Under certain fire conditions, traces of other toxic gases cannot be excluded. Hydrocarbons, carbondioxide and -monoxid.
Suitable extinguishing agents: 5.2 Special hazards arising from the substance or mixture 5.3 Advice for firefighters Protective equipment:	<ul> <li>Under certain fire conditions, traces of other toxic gases cannot be excluded. Hydrocarbons, carbondioxide and -monoxid.</li> <li>Do not inhale explosion gases or combustion gases. Cool endangered receptacles with water spray.</li> </ul>
Suitable extinguishing agents: 5.2 Special hazards arising from he substance or mixture 5.3 Advice for firefighters Protective equipment: Additional information	<ul> <li>Under certain fire conditions, traces of other toxic gases cannot be excluded. Hydrocarbons, carbondioxide and -monoxid.</li> <li>Do not inhale explosion gases or combustion gases. Cool endangered receptacles with water spray. Self-protection first!</li> </ul>
Suitable extinguishing agents: 5.2 Special hazards arising from he substance or mixture 5.3 Advice for firefighters Protective equipment: Additional information	<ul> <li>Under certain fire conditions, traces of other toxic gases cannot be excluded. Hydrocarbons, carbondioxide and -monoxid.</li> <li>Do not inhale explosion gases or combustion gases. Cool endangered receptacles with water spray. Self-protection first!</li> </ul>
Suitable extinguishing agents: 5.2 Special hazards arising from the substance or mixture 5.3 Advice for firefighters Protective equipment: Additional information SECTION 6: Accidental relea 6.1 Personal precautions, protective equipment and	Under certain fire conditions, traces of other toxic gases cannot be excluded. Hydrocarbons, carbondioxide and -monoxid. Do not inhale explosion gases or combustion gases. Cool endangered receptacles with water spray. Self-protection first!
Suitable extinguishing agents: 5.2 Special hazards arising from he substance or mixture 5.3 Advice for firefighters Protective equipment: Additional information SECTION 6: Accidental relea 6.1 Personal precautions, protective equipment and	Under certain fire conditions, traces of other toxic gases cannot be excluded. Hydrocarbons, carbondioxide and -monoxid. Do not inhale explosion gases or combustion gases. Cool endangered receptacles with water spray. Self-protection first!
Suitable extinguishing agents: 5.2 Special hazards arising from he substance or mixture 5.3 Advice for firefighters Protective equipment: Additional information SECTION 6: Accidental relea 6.1 Personal precautions, protective equipment and	Under certain fire conditions, traces of other toxic gases cannot be excluded. Hydrocarbons, carbondioxide and -monoxid. Do not inhale explosion gases or combustion gases. Cool endangered receptacles with water spray. Self-protection first! <b>Isse measures</b> Remove persons from danger area. Keep away from ignition sources.
Suitable extinguishing agents: 5.2 Special hazards arising from he substance or mixture 5.3 Advice for firefighters Protective equipment: Additional information SECTION 6: Accidental relea 5.1 Personal precautions, protective equipment and	Under certain fire conditions, traces of other toxic gases cannot be excluded.         Hydrocarbons, carbondioxide and -monoxid.         Do not inhale explosion gases or combustion gases.         Cool endangered receptacles with water spray.         Self-protection first!         Insee measures         Remove persons from danger area.         Keep away from ignition sources.         After exceeding the emergency temperature must be diluted with a suitable desentisation agent to < 10 In case of further temperature should be cooled with waterspray from a safe distance.
Suitable extinguishing agents: 5.2 Special hazards arising from he substance or mixture 5.3 Advice for firefighters Protective equipment: Additional information SECTION 6: Accidental relea 5.1 Personal precautions, protective equipment and	Under certain fire conditions, traces of other toxic gases cannot be excluded.         Hydrocarbons, carbondioxide and -monoxid.         Do not inhale explosion gases or combustion gases.         Cool endangered receptacles with water spray.         Self-protection first!         Insee measures         Remove persons from danger area.         Keep away from ignition sources.         After exceeding the emergency temperature must be diluted with a suitable desentisation agent to < 10 In case of further temperature should be cooled with waterspray from a safe distance.
Suitable extinguishing agents: 5.2 Special hazards arising from he substance or mixture 5.3 Advice for firefighters Protective equipment: Additional information SECTION 6: Accidental relea 5.1 Personal precautions, protective equipment and emergency procedures	Under certain fire conditions, traces of other toxic gases cannot be excluded.         Hydrocarbons, carbondioxide and -monoxid.         Do not inhale explosion gases or combustion gases.         Cool endangered receptacles with water spray.         Self-protection first!         Insee measures         Remove persons from danger area.         Keep away from ignition sources.         After exceeding the emergency temperature must be diluted with a suitable desentisation agent to < 10 In case of further temperature should be cooled with waterspray from a safe distance.
Suitable extinguishing agents: 5.2 Special hazards arising from he substance or mixture 5.3 Advice for firefighters Protective equipment: Additional information SECTION 6: Accidental relea 5.1 Personal precautions, protective equipment and emergency procedures	Under certain fire conditions, traces of other toxic gases cannot be excluded.         Hydrocarbons, carbondioxide and -monoxid.         Do not inhale explosion gases or combustion gases.         Cool endangered receptacles with water spray.         Self-protection first!         Insee measures         Remove persons from danger area.         Keep away from ignition sources.         After exceeding the emergency temperature must be diluted with a suitable desentisation agent to < 10 In case of further temperature should be cooled with waterspray from a safe distance.
Suitable extinguishing agents: 5.2 Special hazards arising from he substance or mixture 5.3 Advice for firefighters Protective equipment: Additional information SECTION 6: Accidental relea 6.1 Personal precautions, protective equipment and emergency procedures 5.2 Environmental precautions:	Under certain fire conditions, traces of other toxic gases cannot be excluded. Hydrocarbons, carbondioxide and -monoxid. Do not inhale explosion gases or combustion gases. Cool endangered receptacles with water spray. Self-protection first! Ise measures Remove persons from danger area. Keep away from ignition sources. After exceeding the emergency temperature must be diluted with a suitable desentisation agent to < 10 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.
Suitable extinguishing agents: 5.2 Special hazards arising from the substance or mixture 5.3 Advice for firefighters Protective equipment: Additional information SECTION 6: Accidental relea 6.1 Personal precautions, protective equipment and emergency procedures 5.2 Environmental precautions: 5.3 Methods and material for	Under certain fire conditions, traces of other toxic gases cannot be excluded. Hydrocarbons, carbondioxide and -monoxid. Do not inhale explosion gases or combustion gases. Cool endangered receptacles with water spray. Self-protection first! Insee measures Remove persons from danger area. Keep away from ignition sources. After exceeding the emergency temperature must be diluted with a suitable desentisation agent to < 10 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. Do not allow to enter sewers/ surface or ground water. Ensure adequate ventilation.
Suitable extinguishing agents: 5.2 Special hazards arising from the substance or mixture 5.3 Advice for firefighters Protective equipment: Additional information SECTION 6: Accidental relea 6.1 Personal precautions, protective equipment and emergency procedures 6.2 Environmental precautions: 6.3 Methods and material for	Under certain fire conditions, traces of other toxic gases cannot be excluded. Hydrocarbons, carbondioxide and -monoxid. Do not inhale explosion gases or combustion gases. Cool endangered receptacles with water spray. Self-protection first! see measures Remove persons from danger area. Keep away from ignition sources. After exceeding the emergency temperature must be diluted with a suitable desentisation agent to < 10 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. Wear protective equipment. Keep unprotected persons away. Do not allow to enter sewers/ surface or ground water. Ensure adequate ventilation. Large quantities should be diluted with suitable desensitation agent to a concentration below 10 % befor
Suitable extinguishing agents: 5.2 Special hazards arising from the substance or mixture 5.3 Advice for firefighters Protective equipment: Additional information SECTION 6: Accidental relea 6.1 Personal precautions, protective equipment and emergency procedures 6.2 Environmental precautions: 6.3 Methods and material for	Under certain fire conditions, traces of other toxic gases cannot be excluded. Hydrocarbons, carbondioxide and -monoxid. Do not inhale explosion gases or combustion gases. Cool endangered receptacles with water spray. Self-protection first! Remove persons from danger area. Keep away from ignition sources. After exceeding the emergency temperature must be diluted with a suitable desentisation agent to < 10 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. Wear protective equipment. Keep unprotected persons away. Do not allow to enter sewers/ surface or ground water. Ensure adequate ventilation. Large quantities should be diluted with suitable desensitation agent to a concentration below 10 % befor disposal.
Suitable extinguishing agents: 5.2 Special hazards arising from the substance or mixture 5.3 Advice for firefighters Protective equipment: Additional information SECTION 6: Accidental relea 6.1 Personal precautions, protective equipment and emergency procedures 6.2 Environmental precautions: 6.3 Methods and material for	Under certain fire conditions, traces of other toxic gases cannot be excluded. Hydrocarbons, carbondioxide and -monoxid. Do not inhale explosion gases or combustion gases. Cool endangered receptacles with water spray. Self-protection first! see measures Remove persons from danger area. Keep away from ignition sources. After exceeding the emergency temperature must be diluted with a suitable desentisation agent to < 10 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. Wear protective equipment. Keep unprotected persons away. Do not allow to enter sewers/ surface or ground water. Ensure adequate ventilation. Large quantities should be diluted with suitable desensitation agent to a concentration below 10 % befor
<ul> <li>5.1 Extinguishing media Suitable extinguishing agents:</li> <li>5.2 Special hazards arising from the substance or mixture</li> <li>5.3 Advice for firefighters Protective equipment: Additional information</li> <li>SECTION 6: Accidental relea</li> <li>6.1 Personal precautions, protective equipment and emergency procedures</li> <li>6.2 Environmental precautions:</li> <li>6.3 Methods and material for containment and cleaning up:</li> <li>6.4 Reference to other sections</li> </ul>	Under certain fire conditions, traces of other toxic gases cannot be excluded. Hydrocarbons, carbondioxide and -monoxid. Do not inhale explosion gases or combustion gases. Cool endangered receptacles with water spray. Self-protection first! <b>Ise measures</b> Remove persons from danger area. Keep away from ignition sources. After exceeding the emergency temperature must be diluted with a suitable desentisation agent to < 10 <sup>-</sup> 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. Wear protective equipment. Keep unprotected persons away. Mear protective equipment. Keep unprotected persons away. Cool on tallow to enter sewers/ surface or ground water. Ensure adequate ventilation. Large quantities should be diluted with suitable desensitation agent to a concentration below 10 % befor disposal. Soak up with absorbant material (e. g. Vermiculit) and dispose of in accordance with government regulations. See Section 7 for information on safe handling.
Suitable extinguishing agents: 5.2 Special hazards arising from the substance or mixture 5.3 Advice for firefighters Protective equipment: Additional information SECTION 6: Accidental relea 6.1 Personal precautions, protective equipment and emergency procedures 6.2 Environmental precautions: 6.3 Methods and material for containment and cleaning up:	Under certain fire conditions, traces of other toxic gases cannot be excluded. Hydrocarbons, carbondioxide and -monoxid. Do not inhale explosion gases or combustion gases. Cool endangered receptacles with water spray. Self-protection first! <b>Remove persons from danger area.</b> Keep away from ignition sources. After exceeding the emergency temperature must be diluted with a suitable desentisation agent to < 10 · 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. Wear protective equipment. Keep unprotected persons away. More adequate ventilation. Large quantities should be diluted with suitable desensitation agent to a concentration below 10 % befor disposal. Soak up with absorbant material (e. g. Vermiculit) and dispose of in accordance with government regulations.

Safety data sheet according to Regulation (EC) No 1907/2006, Article 31 Version: 18 (replaces version 17)

Printing date 17.04.2024



Revision: 22.02.2023

# Trade name: **PEROXAN PO**

	(Contd. of pag In case of large spillage the environmental authority should be informed.
SECTION 7: Handling and st	torage
7.1 Precautions for safe	
handling	Keep receptacles tightly sealed.
	Keep away from heat and direct sunlight.
	Open and handle receptacle with care.
	Prevent formation of aerosols. Wear suitable respiratory protective device when decanting larger quantities without extractor facilities.
	Handle with care. Avoid jolting, friction and impact.
	Do not refill residue into storage receptacles.
	Restrict the quantity stored at the work place.
	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). The product must be preserved, stored and transported continously cool.
	Keep away from dirt, rust, chemicals in particular concentrated acids, alkalis and accelerators (e. g. heav
	metal compounds and amines).
	Avoid contact with skin and eyes.
	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.
	Take precautionary measures against static discharges.
	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.
	Fumes can combine with air to form an explosive mixture.
	Wear shoes with conductive soles.
	Formation of flammable or explosive gas/air-mixtures is possible.
	Avoid open flames, sparks, direct sunlight and other sources of ignition.
	Keep ignition sources away - Do not smoke.
7.2 Conditions for asta starsag	
Storage:	, <b>including any incompatibilities</b> Pay attention to the special requirements of your local autorithies for storing dangerous goods.
· Requirements to be met by	a distance of 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	Do not store or park organia perovide together with beauty motel compounds and aminos
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.
	Store under lock and key and with access restricted to technical experts or their assistants only. Storage in a collecting room is required.
· Maximum storage	
temperature:	15 °C
· Minimum storage	
temperature:	-25 °C
	-25 C 4.1A No further relevant information available.

(Contd. on page 4)

Printing date 17.04.2024

Version: 18 (replaces version 17)

Revision: 22.02.2023

(Contd. of page 3)

The Peroxide Company

# Trade name: **PEROXAN PO**

SECTION 8: Exposur	re controls/personal protection
8.1 Control parameters	
Ingredients with limit v	
that require monitoring	
workplace:	Not required.
DNELs	
3006-82-4 tert-butyl 2-et	
	rm System 5,6 mg/kg bw/day (Worker)
nhalative DNEL Longter	rm System 9,8 mg/m3 (Worker)
PNECs	
3006-82-4 tert-butyl 2-et	
NEC Marinewater sed	
	0,002 mg/l (AF 50)
	0,622 mg/kg sed dw
	0,64 mg/l (AF 100)
	0 mg/l (AF 500)
Additional information	<b>n:</b> The lists valid during the making were used as basis.
3.2 Exposure controls	
Appropriate engineerir	
controls	No further data; see section 7.
General protective and	neasures, such as personal protective equipment d
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. Store protective clothing separately.
	Avoid contact with the eyes and skin.
	Do not eat, drink, smoke or sniff while working.
	Use skin protection cream for skin protection.
Respiratory protection	Be sure to clean skin thoroughly after work and before breaks. n: Not necessary if room is well-ventilated.
	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
	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.
	Butyl rubber, BR Fluorocarbon rubber (Viton)
	Nitrile rubber, NBR
	Neoprene
Penetration time of g	
material	The exact break trough time has to be found out by the manufacturer of the protective gloves and has to observed
Eye/face protection	observed.
-Janace protection	Tightly sealed goggles
<b>—</b> • • •	
· Body protection:	Protective work clothing

· 9.1 Information on basic physical and chemical propert	ies
· General Information	
· Colour:	Colourless
· Odour:	Characteristic
<ul> <li>Melting point/freezing point:</li> </ul>	Not applicable.

Printing date 17.04.2024

Version: 18 (replaces version 17)

Revision: 22.02.2023

## Trade name: PEROXAN PO

	(Contd. of page 4
· Boiling point or initial boiling point and boiling range	Not applicable.
· Flash point:	> SADT
Decomposition temperature:	+35 °C (SADT)
· Viscosity:	
· Dynamic at 20 °C:	4 mPas
· Solubility	
· water:	Undetermined.
<ul> <li>Partition coefficient n-octanol/water (log value)</li> </ul>	not determined
<ul> <li>Density and/or relative density</li> </ul>	
· Density at 20 °C:	0,9 g/cm³
9.2 Other information	
· Appearance:	
· Form:	Fluid
· Important information on protection of health and environm	nent,
and on safety.	
· Explosive properties:	Risk of explosion by shock, friction, fire or other sources of ignition.
· Information with regard to physical hazard classes	
Explosives	Void
· Flammable gases	Void
Aerosols	Void
· Oxidising gases	Void
Gases under pressure	Void
Flammable liquids	Void
Flammable solids	Void
<ul> <li>Self-reactive substances and mixtures</li> </ul>	Void
· Pyrophoric liquids	Void
· Pyrophoric solids	Void
<ul> <li>Self-heating substances and mixtures</li> </ul>	Void
• Substances and mixtures, which emit flammable gases in	
contact with water	Void
· Oxidising liquids	Void
Oxidising solids	Void
Organic peroxides	Heating may cause a fire.
· Corrosive to metals	Void
· Desensitised explosives	Void
Other safety characteristics	
Active oxygen	> 7,2 %

## **SECTION 10: Stability and reactivity**

· 10.1 Reactivity No further relevant information available. · 10.2 Chemical stability Thermal decomposition / conditions to be avoided: 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. · 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
<ul> <li>Acute toxicity</li> </ul>	Based on available data, the classification criteria are not met.



Printing date 17.04.2024

Version: 18 (replaces version 17)

**PERGAN** The Peroxide Company

Revision: 22.02.2023

## Trade name: **PEROXAN PO**

				(Contd. of page 5
· LD/LC50 val	ues relev	vant for cl	assification:	
3006-82-4 tert	-butyl 2-	ethylperox	kyhexanoate	
Oral LD5	50 >	>10.000 mg/kg (rattus)		
Dermal LD5	50 1	14.142-20.000 mg/kg (rabbit)		
Inhalative LC50 / 4h 42,2 mg/l (rattus)		2,2 mg/l (ra	attus)	
· Skin corrosic	on/irritati	ion	Low irritant effect	
· Serious eye o	damage/	irritation	Low irritant effect	
· Respiratory of				
sensitisation	-	_	May cause an allergic skin reaction.	
· Germ cell mu	•	ity	Based on available data, the classification criteria are not met.	
Carcinogenic			Based on available data, the classification criteria are not met.	
Reproductive		,	May damage fertility.	
STOT-single			Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met.	
<ul> <li>STOT-repeated exposure</li> <li>Aspiration hazard</li> </ul>		sure	Based on available data, the classification criteria are not met.	
11.2 Informati		ther hazar		
· Endocrine di				
Substance is n				
SECTION 12	: Ecolo	gical info	ormation	
12.1 Toxicity				
· Aquatic toxic	city:			
3006-82-4 tert	-butyl 2-	ethylperox	kyhexanoate	
EC50 / 72h 0,44 mg/l (alga (Süsswasser))				
LC50 / 96h 8,66 mg/l (poecilia reticulata)				
EC50 / 48h 7,	5 mg/l (d	laphnia)		
12.2 Persisten			lity	
· Degree of eli	mination	า:		
· Classificatio	on:			
3006-82-4 tert	-butyl 2-	ethylperox	kyhexanoate	

Degradation (Readily biodegradable) (OECD 301 D)

12.3 Bioaccumulative potential

Partition coefficient: nOctanol/water: [Log Kow]

4,79 (20°C) · 12.4 Mobility in soil No further relevant information available. 12.5 Results of PBT and vPvB assessment This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII. · PBT: · vPvB: This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII. 12.6 Endocrine disrupting The product does not contain substances with endocrine disrupting properties. properties 12.7 Other adverse effects · Additional ecological information: General notes: Water hazard class 3 (German Regulation) (Assessment by list): extremely hazardous for water Do not allow product to reach ground water, water course or sewage system, even in small quantities.

Danger to drinking water if even extremely small quantities leak into the ground.

## **SECTION 13: Disposal considerations**

<ul> <li>13.1 Waste treatment methods</li> <li>Recommendation</li> </ul>	After diluting with a suitable desentisation agent to 10 %, the solution 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
· Waste disposal key:	system. 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.

Printing date 17.04.2024

Version: 18 (replaces version 17)

Revision: 22.02.2023

(Contd. of page 6)

# Trade name: **PEROXAN PO**

UN3113 UN3113 ORGANIC PEROXIDE TYPE C, LIQUID, TEMPERATURE CONTROLLED (tert-BUTYLPEROXY-2-ETHYLHEXANOATE), ENVIRONMENTALLY HAZARDOUS ORGANIC PEROXIDE TYPE C, LIQUID, TEMPERATURE CONTROLLED (tert-BUTYLPEROXY-2-ETHYLHEXANOATE), MARINE POLLUTANT
CONTROLLED (tert-BUTYLPEROXY-2-ETHYLHEXANOATE), ENVIRONMENTALLY HAZARDOUS ORGANIC PEROXIDE TYPE C, LIQUID, TEMPERATURE CONTROLLED
5.2 (P2) Organic peroxides. 5.2
5.2 Organic peroxides.
5.2
x x
Void
Product contains environmentally hazardous substances: tert- BUTYLPEROXY-2-ETHYLHEXANOATE Symbol (fish and tree) Symbol (fish and tree)
Warning: Organic peroxides.
-
SW1 Protected from sources of heat. SW3 Shall be transported under temperature control. SG35 Stow "separated from" SGG1-acids SG36 Stow "separated from" SGG18-alkalis.
s Not applicable.
0 Code: E0 Not permitted as Excepted Quantity
1 D
no admission
0 Code: E0 Not permitted as Excepted Quantity
no admission
+20 °C +25 °C

(Contd. on page 8)



Printing date 17.04.2024

### Version: 18 (replaces version 17)

• **The Peroxide Company** 

Revision: 22.02.2023

# Trade name: **PEROXAN PO**

(Contd. of page 7)

мт —

SECTION 15: Regulatory information		
$\cdot$ 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture		
<ul> <li>Directive 2012/18/EU</li> <li>Named dangerous substances</li> <li>ANNEX I</li> <li>Seveso category</li> <li>Qualifying quantity (tonnes) for</li> </ul>	Substance is not listed. P6b SELF-REACTIVE SUBSTANCES AND MIXTURES and ORGANIC PEROXIDES E1 Hazardous to the Aquatic Environment	
the application of lower-tier requirements · Qualifying quantity (tonnes) fo the application of upper-tier	50 t r	
requirements REGULATION (EC) No 1907/2006 ANNEX XVII	200 t Conditions of restriction: 3, 30, 75	
<ul> <li>DIRECTIVE 2011/65/EU on the r II</li> </ul>	estriction of the use of certain hazardous substances in electrical and electronic equipment – Annex	
Substance is not listed.		
REGULATION (EU) 2019/1148		
Annex I - RESTRICTED EXPLO	SIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))	
Substance is not listed.		
· Annex II - REPORTABLE EXPL	OSIVES PRECURSORS	
Substance is not listed.		
· Regulation (EC) No 273/2004 o	n drug precursors	
Substance is not listed.		
<ul> <li>Regulation (EC) No 111/2005 la precursors</li> </ul>	ying down rules for the monitoring of trade between the Community and third countries in drug	
Substance is not 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.

· Department issuing SDS: · Contact:	Environment protection / Security of labour Tel: +49 2871 9902-0 E-mail: mail@pergan.com
· Version number of previous	
version:	17
<ul> <li>Abbreviations and acronyms:</li> </ul>	RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
	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
	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
	VPUB: very Persistent and very Bioaccumulative
	Org. Perox. C: Organic peroxides – Type C/D
	Skin Sens. 1: Skin sensitisation – Category 1
	Repr. 1B: Reproductive toxicity – Category 1B
	Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
	Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
<ul> <li>* Data compared to the previous version altered.</li> </ul>	