

Version: 10 (replaces version 9)



Revision: 05.07.2023

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

· 1.1 Product identifier

PEROXAN EPC-50 WN-A

· 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	
from:	Environment protection / Security of labour
	Qualified person: E-mail: msds@pergan.com
• 1.4 Emergency telephone	
number:	- Tel: +49 2871 9902-0

SECTION 2: Hazards identification

• 2.1 Classification of the substance or mixture • Classification according to Regulation (EC) No 1272/2008				
Org. Perox. F	H242 Heating may cause a fire.			
Skin Irrit. 2	H315 Causes skin irritation.			
Eye Dam. 1	H318 Causes serious eye damage.			

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

STOT SE 1 H370 Causes damage to the central nervous system and the visual organs.

· 2

• 2.2 Label elements • Labelling according to Regulation (EC) No 1272/2008 • Hazard pictograms	The product is cla GHS02 GHS05 G	assified and labelled according to the CLP regulation.
· Signal word	Danger	
 Hazard-determining components of labelling: 	bis(2-ethylhexyl) methanol	peroxydicarbonate
· Hazard statements	H317 May cause	
 Precautionary statements 	P210 P220 P234 P264 P280	 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep away from dirt, rust, chemicals in particular concentrated acids, alkalis and accelerators (e. g. heavy metal compounds and amines). Keep only in original packaging. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection/hearing protection. 8 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor. Take off contaminated clothing and wash it before reuse. Store locked up. Protect from sunlight. Store at temperatures not exceeding -15°C. Keep cool. Store separately. 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.

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 Determination of endocrine-
disrupting properties

The product does not contain substances with endocrine disrupting properties.

SECTION 3: Composition/information on ingredients

 Dangerous components: 		
	bis(2-ethylhexyl) peroxydicarbonate Org. Perox. C, H242; Eye Dam. 1, H318; Skin Irrit. 2, H315; Skin Sens. 1, H317	40-50%
EINECS: 200-659-6	methanol Flam. Liq. 2, H225; Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331; STOT SE 1, H370 Specific concentration limits: STOT SE 1; H370: C ≥ 10 % STOT SE 2; H371: 3 % ≤ C < 10 %	10-20%
	Polyoxyethylensorbitanmonooleate Aquatic Chronic 3, H412	1-2,5%

SECTION 4: First aid measures

· 4.1 Description of first aid measures

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

	Ta

hours after the accident.

•	After	inhalation:	

· After skin contact:

· After eye contact: · After swallowing:

treatment needed

delayed

ake care of personal protection for the first aider.

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. Immediately wash with water and soap and rinse thoroughly. Immediately remove contaminated clothing. Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor. Call for a doctor immediately. · 4.2 Most important symptoms and effects, both acute and No further relevant information available. 4.3 Indication of any immediate medical attention and special No further relevant information available.

SECTION 5: Firefighting measures

· 5.1 Extinguishing media

• Suitable extinguishing agents: • 5.2 Special hazards arising from	CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
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.

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• 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.
	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

OLOTION 7. Handling and St	orage		
· 7.1 Precautions for safe			
handling	Keep awav fr	om heat and direct sunlight.	
0		ventilation/exhaustion at the workplace.	
	•	ndle receptacle with care.	
		ation of aerosols.	
		e respiratory protective device when decanting larger quantities without extractor f	acilities.
		esidue into storage receptacles.	
		uantity stored at the work place.	
		vell ventilated areas.	
	Before break	and at the end of work hands should be thoroughly washed.	
	Only use tool	ls made of suitable materials (e. g. polyethylene or stainless steel).	
	Keep away fro	rom dirt, rust, chemicals in particular concentrated acids, alkalis and accelerators ((e. g. heavy-
	metal compor	unds and amines).	
	While using d	do not eat, drink or smoke.	
	Do not genera	ate flames or sparks.	
		t and emptied container away from heat and sources of ignition.	
	Avoid shock a		
	Take precaut	tionary measures against static discharges.	
	See Do no	ot smoke.	
Information allowed fine and			
Information about fire - and	D <i>i i i i</i>		
explosion protection:	Protect from I		
		ist electrostatic charges.	
		act and friction.	
		n-proof apparatus / fittings and spark-proof tools.	
	Fumes can co	ombine with air to form an explosive mixture.	
	Wea	r shoes with conductive soles.	
	4 Weal	i shoes with conductive soles.	
	Form	nation of flammable or explosive gas/air-mixtures is possible.	
		Avoid onen flomen, anarka, direct availabt and other courses of ignition	
		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:		to the special requirements of your local autorithies for storing dangerous goods.	
· Requirements to be met by	,		
storerooms and receptacles:	Store only in f	the original receptacle.	
		seepage into the ground.	
	Use only rece	eptacles specifically permitted for this substance/product.	
Information about storage in			
one common storage facility:	Do not store of	or park organic peroxide together with heavy metal compounds and amines.	
	Store away fr	rom foodstuffs, drinks and feeding stuffs.	
• Further information about			
storage conditions:		er tightly sealed.	
		heat and direct sunlight.	
		contamination.	
		ock and key and out of the reach of children.	
	Storage in a c	collecting room is required.	
Recommended storage			
temperature (To maintain			
quality):	-2015 °C		
Control temperature:	-15 °C		
Emergency temperature:	-5 °C		
Storage class:	5.2		
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	(s) No further relevant information available.
SECTION 8: Expo	sure controls/personal protection
8.1 Control parameter	ers
•	nit values that require monitoring at the workplace:
67-56-1 methanol	
	Long-term value: 260 mg/m³, 200 ppm Skin
` í	Short-term value: 333 mg/m³, 250 ppm Long-term value: 266 mg/m³, 200 ppm Sk
DNELS	
16111-62-9 bis(2-eth	ylhexyl) peroxydicarbonate
Dermal DNEL Lon	gterm System 6,67 mg/kg bw/day (Worker)
	gterm System 11,75 mg/m3 (Worker)
67-56-1 methanol	
	gterm System 20 mg/kg bw/day (Worker) gterm System 130 mg/m3 (Worker)
· PNECs	
	ylhexyl) peroxydicarbonate
	ed 0,0228 mg/kg sed dw (-)
PNEC Freshwater	0,032 mg/l (AF 50)
PNEC Freshwater see	
PNEC Soil PNEC STP	0,0269 mg/kg soil dw (-) 1,5 mg/l (AF 10)
PNEC Marinewater	0,0032 mg/l (AF 500)
· Additional informa	
controls	No further data; see section 7.
	No further data; see section 7. on measures, such as personal protective equipment and
Individual protectio	and S: The usual precautionary measures are to be adhered to when handling chemicals.
Individual protectio General protective	and and a second protective equipment and and a second protection of the second protection of th
Individual protectio General protective	 and 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.
Individual protectio General protective	on measures, such as personal protective equipment and S: 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.
Individual protectio General protective	on measures, such as personal protective equipment and S: 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 close or long term contact with the skin.
Individual protectio General protective	measures, such as personal protective equipment and 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 close or long term contact with the skin. Avoid contact with the eyes and skin. Do not eat, drink, smoke or sniff while working.
Individual protectio General protective	on measures, such as personal protective equipment and 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 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.
Individual protectio General protective	 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 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.
Individual protectio General protective hygienic measures	and S: 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 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. thoras of brief exposure or low pollution use respiratory filter device. In case of intensive or longer
Individual protectio General protective hygienic measures	and s: 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 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. etion: 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. etion: Use suitable respiratory device when it exceed exposure limit and when insufficiently ventilate Filter A2
Individual protectio General protective hygienic measures	and s: 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 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. etion: 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. witable respiratory device when it exceed exposure limit and when insufficiently ventilated
Individual protectio General protective hygienic measures	and and series Such as personal protective equipment and series 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 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. 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. wittin: 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. wittin: Use suitable respiratory device when it exceed exposure limit and when insufficiently ventilate 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 an degradation Protective gloves The selection of the suitable gloves does not only depend on the material, but also on further marks o
Individual protectio General protective hygienic measures	and s: 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 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. thin case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device. time: Use suitable respiratory device when it exceed exposure limit and when insufficiently ventilate 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 an degradation Protective gloves
Individual protectio General protective hygienic measures Respiratory protec Hand protection Material of gloves	and and s: 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 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. 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. witter 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. witter Is case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device. witter Is case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device. witter A2 Use suitable respiratory device when it exceed exposure limit and when insufficiently ventilate 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 an degradation Protective gloves The selection of the suitable gloves does not only depend on the material, but also on further marks o quality and varies from manufactur
Individual protectio General protective hygienic measures	and and s: 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 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. 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. witter 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. witter Is case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device. witter Is case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device. witter A2 Use suitable respiratory device when it exceed exposure limit and when insufficiently ventilate 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 an degradation Protective gloves The selection of the suitable gloves does not only depend on the material, but also on further marks o quality and varies from manufactur
Individual protectio General protective hygienic measures Respiratory protec Hand protection Material of gloves	and servers such as personal protective equipment and servers 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 close or long term contact with the skin. 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. 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. Image: Use suitable respiratory device when it exceed exposure limit and when insufficiently ventilate 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 an degradation Protective gloves The selection of the suitable gloves does not only depend on the material, but also on further marks or quality and varies from manufacturer to manufacturer. Butyl rubber, BR Fluorocarbon rubber (Viton) Nitrije rubber, NBR Neoprene Of glove The exact break trough time has to be

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· Body protection:



Protective work clothing

SECTION 9: Physical and chemical properties

SECTION 5. Physical and chemical properties	
· 9.1 Information on basic physical and chemical properties	
· General Information	
· Colour:	Colourless
· Odour:	Characteristic
Odour threshold:	Not determined.
Melting point/freezing point:	Not applicable.
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:	+5 °C (SADT)
· pH	Not determined.
Viscosity:	
· Kinematic viscosity	Not determined.
· Dynamic:	Not determined.
Solubility	
· water:	Undetermined.
· Partition coefficient n-octanol/water (log value)	not determined
· Vapour pressure:	Not determined.
Density and/or relative density	
· Density:	Not determined.
· Relative density	Not determined.
· Vapour density	Not determined.
· 9.2 Other information	No further relevant information available.
· Appearance:	
· Form:	emulsion
Important information on protection of health and environme	
and on safety.	,
Ignition temperature:	Product is not selfigniting.
· Explosive properties:	Product is not explosive. However, formation of explosive air/vapour
	mixtures are possible.
· Change in condition	
Evaporation rate	Not determined.
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
 Self-reactive substances and mixtures 	Void
· Pyrophoric liquids	Void
Pyrophoric solids	Void
 Self-heating substances and mixtures 	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	2,2 - 2,4 %
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SECTION 10: Stability and re	activity
10.1 Reactivity 10.2 Chemical stability Thermal decomposition /	No further relevant information available.
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 self-accelerating 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 Acute toxicity Based on available data, the classification criteria are not met

Actue toxicity Dased on available data, the classification ciftena are not met.			
· LD/LC50 values relevant for classification:			
16111-62-9 bis(2-ethylhexyl) peroxydicarbonate			
Oral LD50 >2.000 mg/kg (rattus)			
Dermal LD50 >2.000 mg/kg (rattus)			
67-56-1 methanol			
Oral LD50 1.187 mg/kg (rattus)			
Skin corrosion/irritation	Skin corrosion/irritation Causes skin irritation.		
 Serious eye damage/irritation 	Causes serious eye damage.		
 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 	• Reproductive toxicity Based on available data, the classification criteria are not met.		
 STOT-single exposure 	Causes damage to the central nervous system and the visual organs.		
• 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 hazard 	ds		
· Endocrine disrupting properties	S		
None of the ingredients is listed.			

SECTION 12: Ecological information

· 12.1 Toxicity	
· Aquatic toxicity:	
67-56-1 methanol	
EC50 / 72h 22.000 mg/l (algae)	
 12.2 Persistence and degradability Degree of elimination: 	
· Classification:	
16111-62-9 bis(2-ethylhexyl) peroxydicarbonate	
Degradation (Readily biodegradable) (OECD 301 B)	
67-56-1 methanol	
Degradation (Readily biodegradable)	
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· 12.3 Bioaccumulative potentia	al	(Contd. of page
· Partition coefficient: nOctan		
16111-62-9 bis(2-ethylhexyl) pe	eroxydicarbonate	2,73
67-56-1 methanol		-0,77 (20°C
79-20-9 methyl acetate		0,18 (20°C)
Bioconcentration factor (BCI	F)	
67-56-1 methanol		
BCF <10		
12.4 Mobility in soil	No further relevant information available.	
12.5 Results of PBT and vPvE	3 assessment	
· PBT:	The substances in the mixture do not meet the PBT/vPvB criteria according to REA	CH, annex XIII.
· vPvB:	The substances in the mixture do not meet the PBT/vPvB criteria according to REA	CH, annex XIII.
12.6 Endocrine disrupting	C C	
properties	The product does not contain substances with endocrine disrupting properties.	
12.7 Other adverse effects	No further relevant information available.	
· Remark:	Toxic for fish	
· Additional ecological information	ation:	
· General notes:	Also poisonous for fish and plankton in water bodies.	
	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.	

SECTION 13: Disposal cons	iderations
 13.1 Waste treatment methods Recommendation 	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.

SECTION 14: Transport information	
· 14.1 UN number or ID number · ADR, IMDG	UN3119
 14.2 UN proper shipping name ADR IMDG 	UN3119 ORGANIC PEROXIDE TYPE F, LIQUID, TEMPERATURE CONTROLLED (DI-(2-ETHYLHEXYL)-PEROXYDICARBONATE) ORGANIC PEROXIDE TYPE F, LIQUID, TEMPERATURE CONTROLLED (DI-(2-ETHYLHEXYL)-PEROXYDICARBONATE)
· 14.3 Transport hazard class(es)	
ADR	
· Class · Label	5.2 (P2) Organic peroxides. 5.2
· IMDG	
· Class · Label	5.2 Organic peroxides. 5.2
· IATA · Class	X
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· Label	Х
· 14.4 Packing group	
ADR, IMDG	Void
14.5 Environmental hazards:	
· Marine pollutant:	No
· 14.6 Special precautions for user	Warning: Organic peroxides.
 Hazard identification number (Kemler code): 	-
· Stowage Category	D
· Stowage Code	SW1 Protected from sources of heat.
	SW3 Shall be transported under temperature control.
Segregation Code	SG35 Stow "separated from" SGG1-acids
	SG36 Stow "separated from" SGG18-alkalis.
\cdot 14.7 Maritime transport in bulk according to IMO instr	ruments Not applicable.
· Transport/Additional information:	
ADR	
 Limited quantities (LQ) 	0
 Excepted quantities (EQ) 	Code: E0
	Not permitted as Excepted Quantity
· Transport category	1
Tunnel restriction code	D
· RID / GGVSEB:	no admission
·IMDG	
Limited quantities (LQ)	0
Excepted quantities (EQ)	Code: E0
	Not permitted as Excepted Quantity
· IATA	· · · · · · · · · · · · · · · · · · ·
Remarks:	no admission
· Control temperature:	-15 °C
Emergency temperature:	-5 °C

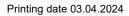
SECTION 15: Regulatory information

· 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 	H3 STOT SPECIFIC TARGET ORGAN TOXICITY – SINGLE EXPOSURE
	P6b SELF-REACTIVE SUBSTANCES AND MIXTURES and ORGANIC PEROXIDES
 Qualifying quantity (tonnes) for 	
the application of lower-tier	
requirements	50 t
 Qualifying quantity (tonnes) for 	
the application of upper-tier	
requirements	200 t
· REGULATION (EC) No	
1907/2006 ANNEX XVII	Conditions of restriction: 3, 69
· DIRECTIVE 2011/65/EU on the re	estriction of the use of certain hazardous substances in electrical and electronic equipment – Annex
II	
None of the ingredients is listed.	
· REGULATION (EU) 2019/1148	
· Regulation (EC) No 273/2004 or	n drug precursors
None of the ingredients is listed.	
 Regulation (EC) No 111/2005 la precursors 	ying down rules for the monitoring of trade between the Community and third countries in drug
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.



Version: 10 (replaces version 9)

Revision: 05.07.2023

The Peroxide Company

Trade name: PEROXAN EPC-50 WN-A

	(Contd. of page
Department issuing SDS:	Environment protection / Security of labour
Contact:	Tel: +49 2871 9902-0
	E-mail: mail@pergan.com
Version number of previous	
version:	9
Abbreviations and acronyms:	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
	Gris. Globally raminities dystem of classification and Labeling of Clemicals
	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
	VP VD. Vet y Persistent and Vet y bloaccunitative Flam. Lig. 2: Flammable liquids – Category 2
	Org. Perox. C: Organic peroxides – Type C/D
	Org. Perox. F: Organic peroxides – Type E/F
	Acute Tox. 3: Acute toxicity – Category 3
	Skin Irrit. 2: Skin corrosion/irritation – Category 2
	Eye Dam. 1: Serious eye damage/eye irritation – Category 1
	Skin Sens. 1: Skin sensitisation – Category 1
	STOT SE 1: Specific target organ toxicity (single exposure) – Category 1
	Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3
* Data compared to the previous version altered.	
	MT