

age 1/8		ERGAN
	Safety data sheet The according to Regulation (EC) No 1907/2006, Article 31	Peroxide Company
rinting date 03.04.2024	Version: 10 (replaces version 9)	Revision: 16.02.202
SECTION 1: Identification of	f the substance/mixture and of the company/undertaking	
· 1.1 Product identifier	· ···· · ·····························	
· Trade name:	PEROXAN LP	
· CAS Number:	105-74-8	
· EC number:	203-326-3	
· Index number:	617-003-00-3	
Registration number:	01-2119513346-45	
 1.2 Relevant identified uses of t 	the substance or mixture and uses advised against	
Application of the substance (No further relevant information available.	
 Application of the substance / the mixture 	Reaction initiator	
	For industrial use	
• 1.3 Details of the supplier of the		
· 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 		
Emergency telephone		
number:	- Tel: +49 2871 9902-0	
	- Tel: +49 2871 9902-0	
number:		
number: SECTION 2: Hazards identifi	ication	
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· Results of PBT and vPvB assessment

Results of FDT allu VFVD asse	SSITEIL
· PBT:	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.
 Determination of endocrine- disrupting properties 	The product does not contain substances with endocrine disrupting properties.

SECTION 3: Composition/information on ingredients

· 3.1 Substances	
• CAS No. Description	105-74-8 dilauroyl peroxide
Identification number(s)	
EC number:	203-326-3

Safety data sheet according to Regulation (EC) No 1907/2006, Article 31 Version: 10 (replaces version 9)

Printing date 03.04.2024

The Peroxide Company

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Revision: 16.02.2023

Trade name: **PEROXAN LP**

· Index number:	617-003-00-3	(Contd. of page
SECTION 4: First aid measur	es	
4.1 Description of first aid measure	Ires	
General information:		
	Take care of personal protection for the first aider.	
A.C		
After inhalation: After skin contact:	Take affected persons into fresh air and keep quiet.	
After eye contact:	Immediately remove contaminated clothing. 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	No further relevant information available.	
4.3 Indication of any immediate		
medical attention and special		
treatment needed	No further relevant information available.	
SECTION 5: Firefighting mea	sures	
5.1 Extinguishing media	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:	Do not inhale explosion gases or combustion gases.	
Additional information	Cool endangered receptacles with water spray. Self-protection first!	
SECTION 6: Accidental relea	se 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.	
6 2 Environmontal processitions	Wear protective equipment. Keep unprotected persons away.	
6.2 Environmental precautions:	Do not allow to enter sewers/ surface or ground water.	
6.3 Methods and material for	Ensure adaquate ventilation	
containment and cleaning up:	Ensure adequate ventilation. Large guantities should be diluted with suitable desensitation agent to a concentration be	Now 10 % befo
	disposal.	
	Pick up mechanically, collect in a suitable receptacle and dispose in accordance with gov	rernment
	regulations.	
6.4 Reference to other sections	In case of large spillage the environmental authority should be informed.	

· 7.1 Precautions for safe	
handling	Keep receptacles tightly sealed.
-	Store in cool, dry place in tightly closed receptacles.
	Keep away from heat and direct sunlight.
	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 guantity 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).
	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.

Printing date 03.04.2024

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

Version: 10 (replaces version 9)

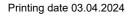


Revision: 16.02.2023

rade name: PEROXAN	LP
	(Contd. of page 2
	Keep product and emptied container away from heat and sources of ignition.
	Avoid shock and friction.
	Take precautionary measures against static discharges.
	bo not smoke.
Information about fire - and	Protect from heat.
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.
	Avoid open names, sparks, direct sumight and other sources of ignition.
	Keep ignition sources away - Do not smoke.
· 7.2 Conditions for safe storag	e, including any incompatibilities
· Storage:	Pay attention to the special requirements of your local autorithies for storing dangerous goods.
Requirements to be met by	
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	
•··• ••····	Store away from foodstuffs, drinks and feeding stuffs.
 Further information about 	
storage conditions:	Keep container tightly sealed.
	Store in cool, dry conditions in well sealed receptacles.
	Protect from heat and direct sunlight.
	Protect from contamination.
· Recommended storage	Store in a cool place.
temperature (To maintain	
quality):	max.: +30°C
· Storage class:	5.2
· 7.3 Specific end use(s)	No further relevant information available.

SECTION 8: Exposure controls/personal protection

ralues g at the Not required.
xide
m System 100 mg/kg bw/day (Worker)
m System 35 mg/m3 (Worker)
xide
0,32 mg/kg sed dw (AF 1.000)
0,0089 mg/l (AF 10)
3,2 mg/kg sed dw (AF 100)
41,3 mg/kg soil dw (-)
10 mg/l (AF 100)
0,00089 mg/l (AF 100)
n: The lists valid during the making were used as basis.
No further data; see section 7. neasures, such as personal protective equipment d The usual precautionary measures are to be adhered to when handling chemicals. Keep away from foodstuffs, beverages and feed. (Contri on page 4)
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Version: 10 (replaces version 9)

The Peroxide Company

Revision: 16.02.2023

9.1 Information on basic physical and chemical properties General Information Colour: Odour: Odourless Melting point/freezing point: Flamability Flam	
Wash hands before breaks and at the end of work. Store protective clothing separately. Do not eat, drink, smoke or sniff while working. Use skith protection. Be sure to clean skin thoroughly after work and before breaks and the end of work. Respiratory protection: Not necessary if room is well-ventilated. Image: the end of work. Store protective clother spiratory device when it exceed explore the gloves with CE-labelling of clother and of work. Hand protection Only use chemical-protective gloves with CE-labelling of clother and of work. Material of gloves The selection of the glove material on consideration of degradation Protective gloves The selection of the suitable gloves does not only depend quality and varies from manufacturer to manufacturer. Buly rhubber, BR Buly rhubber, BR Not protection Nittle rubber, NBR Neoprene Penetration time of glove The exact break trough time has to be found out by the matoserved. Experiace protection: White Odour: Odourless Odour: Odourless Postective work clothing Store of the glove and the second protection. Store of the glove and the distribution on basic physical and chemical properties Odourless Colour: Odourless Not a	(Contd. of page
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Flammable gasesVoidAerosolsVoidOxidising gasesVoid	
• Aerosols Void • Oxidising gases Void	
· Gases under pressure Void	
· Flammable liquids Void	

Printing date 03.04.2024

Version: 10 (replaces version 9)

PERGAN The Peroxide Company

Revision: 16.02.2023

Trade name: **PEROXAN LP**

		(Contd. of page 4)
· 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 gas	ses 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	ca. 4,0 %	

SECTION 10: Stability and reactivity

 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

LD/LC50 values relevant for cl	assification	
05-74-8 dilauroyl peroxide		
Oral LD50 >5.000 mg/l	kg (rattus)	
nhalative LC50 / 4h 200 mg/l (ra	ttus)	
Skin corrosion/irritation	Based on available data, the classification criteria are not met.	
Serious eye damage/irritation	Based on available data, the classification criteria are not met.	
Respiratory or skin		
sensitisation	Based on available data, the classification criteria are not met.	
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.	
1.2 Information on other hazar	ds	
Endocrine disrupting propertie	S	
Substance is not listed.	-	

(Contd. on page 6)

Printing date 03.04.2024

Version: 10 (replaces version 9)



Revision: 16.02.2023

(Contd. of page 5)

Trade name: **PEROXAN LP**

Aquatic toxicity:	
105-74-8 dilauroyl peroxide	
LC50 / 96h >1.000 mg/l (poed	cilia reticulata)
EC50 >1.000 mg/l (bact	teria)
12.2 Persistence and degrad Degree of elimination:	dability
· Classification:	
105-74-8 dilauroyl peroxide	
Degradation (Readily biodeg	radable) (OECD 301 D)
12.3 Bioaccumulative poten	tial
· Partition coefficient: nOcta	anol/water: [Log Kow]
	1
12.4 Mobility in soil	No further relevant information available.
12.5 Results of PBT and vPv	
· PBT:	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.
12.6 Endocrine disrupting	
properties	The product does not contain substances with endocrine disrupting properties.
12.7 Other adverse effects	
 Additional ecological inform 	
· General notes:	Water hazard class 1 (German Regulation) (Assessment by list): slightly hazardous for water Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage



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

· Uncleaned packaging: Recommendation:

· Waste disposal key:

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 · IMDG, IATA	UN3106 ORGANIC PEROXIDE TYPE D, SOLID (DILAUROYL PEROXIDE) ORGANIC PEROXIDE TYPE D, SOLID (DILAUROYL PEROXIDE)
· 14.3 Transport hazard class(es)	
· ADR	
Class	5.2 (P1) Organic peroxides.
·Label	5.2
· IMDG, IATA	
· Class	5.2 Organic peroxides.
	(Contd. on page 7

Printing date 03.04.2024

Version: 10 (replaces version 9)

The Peroxide Company

Revision: 16.02.2023

Trade name: **PEROXAN LP**

	(Contd. of page
· Label	5.2
14.4 Packing group	
· ADR, IMDG, IATA	Void
14.5 Environmental hazards: • Marine pollutant:	No
14.6 Special precautions for user	Warning: Organic peroxides.
Hazard identification number (Kemler code):	-
Stowage Category	
 Stowage Code Segregation Code 	SW1 Protected from sources of heat. SG35 Stow "separated from" SGG1-acids
Segregation Code	SG36 Stow "separated from" SGG1-acids
14.7 Maritime transport in bulk according to IMO inst	ruments Not applicable.
Transport/Additional information:	
ADR	
· Limited quantities (LQ)	500 g
Excepted quantities (EQ)	Code: E0
	Not permitted as Excepted Quantity
Transport category	2
· Tunnel restriction code	D
· RID / GGVSEB:	like ADR
·IMDG	
· Limited quantities (LQ)	500 g Code: E0
· Excepted quantities (EQ)	Not permitted as Excepted Quantity
SECTION 15: Regulatory information 15.1 Safety, health and environmental regulations/leg	islation specific for the substance or mixture
· Named dangerous substances	
- ANNEX I Substance is not liste	
	E 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	of certain hazardous substances in electrical and electronic equipment – Anno
II	n certain hazardous substances in electrical and electronic equipment – Anno
Substance is not listed.	
REGULATION (EU) 2019/1148	
· Annex I - RESTRICTED EXPLOSIVES PRECURSORS	6 (Upper limit value for the purpose of licensing under Article 5(3))
Substance is not listed.	
· Annex II - REPORTABLE EXPLOSIVES PRECURSOR	is
Substance is not listed.	
Regulation (EC) No 273/2004 on drug precursors	
Substance is not listed.	
	he monitoring of trade between the Community and third countries in drug
precursors	

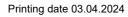
Substance is not listed.

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: 10 (replaces version 9)



Revision: 16.02.2023

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Trade name: **PEROXAN LP**

	(Contd. of page 7)
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) 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 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 very Persistent and very Bioaccumulative Org. Perox. D: Organic peroxides – Type C/D
* Data compared to the previous version altered.	PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative