

Version: 7 (replaces version 6)

Revision: 15.02.2023

The Peroxide Company

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

· 1.1 Product identifier

DEDOVAN DCC 75

· Trade name:	PEROXAN BCC-75		
· 1.2 Relevant identified uses of the	f 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. C	H242 Heating may cause a fire.		
Skin Sens. 1	H317 May cause an allergic skin reaction.		
Aquatic Chronic 3	H412 Harmful to aquatic life with long lasting effects.		

2.2 Label elements	
 Labelling according to 	
Regulation (EC) No 1272/2008	
Hazard pictograms	

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

	$\langle \mathbf{i} \rangle$
GHS02	GHS07

· Signal word	Danger
 Hazard-determining components of labelling: Hazard statements 	di-(4-tertbutylcyclohexyl)-peroxydicarbonate H242 Heating may cause a fire. H317 May cause an allergic skin reaction. H412 Harmful 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. P264 Wash thoroughly after handling. 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
 2.3 Other hazards Results of PBT and vPvB asses PBT: vPvB: Determination of endocrine- disrupting properties 	regulations. ssment 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. The product does not contain substances with endocrine disrupting properties.

SECTION 3: Composition/information on ingredients

· 3.2 Mixtures

 Dangerous components: 		
	Org. Perox. C, H242; Skin Sens. 1, H317; Aquatic Chronic 3, H412	70-80%
	(Control	an name 2)

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	(Conto	I. of page 1)
CAS: 98-52-2	4-tert-butylcyclohexanol	2,5-5%
EINECS: 202-676-4	Eye Irrit. 2, H319	
Additional information:	For the wording of the listed hazard phrases refer to section 16.	

Take care of personal protection for the first aider.

SECTION 4: First aid measures

• 4.1 Description of first aid measures • General information:

- · After inhalation:
- After skin contact:
- · After eye contact:
- · After swallowing:
- 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.

If symptoms persist consult doctor.

Immediately remove contaminated clothing.

Take affected persons into fresh air and keep quiet.

Rinse opened eye for several minutes under running water.

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

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

- the substance or mixture
- [·] 5.3 Advice for firefighters
- Protective equipment: • Additional information

Do not inhale explosion gases or combustion gases. Cool endangered receptacles with water spray. Self-protection first!

Hydrocarbons, carbondioxide and -monoxid.

SECTION 6: Accidental release measures

 6.1 Personal precautions, protective equipment and emergency procedures 	Keep away from ignition sources.
C D	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.
6.2 Environmental precautions:	Do not allow to enter sewers/ surface or ground water.
· 6.3 Methods and material for	
containment and cleaning up:	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.
· 6.4 Reference to other sections	See Section 7 for information on safe handling.
	See Section 8 for information on personal protection equipment.
	See Section 13 for disposal information.
	In case of large spillage the environmental authority should be informed.

SECTION 7: Handling and storage

· 7.1 Precautions for safe	
handling	Keep receptacles tightly sealed.
C C	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 quantity stored at the work place.

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	(Contd. of page 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).
	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.
	Bo not smoke.
Information ob and fina	
Information about fire	
explosion protection:	Protect from heat. Protect against electrostatic charges.
	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.
	e storage, including any incompatibilities
Storage: · Requirements to be n	Pay attention to the special requirements of your local autorithies for storing dangerous goods.
storerooms and rece	
Storeroonis and rece	Prevent any seepage into the ground.
	Use only receptacles specifically permitted for this substance/product.
· Information about sto	
one common storage	
Ū	Store away from foodstuffs, drinks and feeding stuffs.
· Further information a	about
storage conditions:	Keep container tightly sealed.
	Protect from heat and direct sunlight.
December de decteur	Protect from contamination.
· Recommended stora	
temperature (To main quality):	+5 +15 °C
· Storage class:	5.2
7.3 Specific end use(s)	
7.3 Specific end use(s)	
,	
-	re controls/personal protection
SECTION 8: Exposu 8.1 Control parameters	re controls/personal protection
SECTION 8: Exposu 8.1 Control parameters Ingredients with limit	re controls/personal protection s values
SECTION 8: Exposu 8.1 Control parameters Ingredients with limit that require monitorin	re controls/personal protection s values ng at the
SECTION 8: Exposu 8.1 Control parameters Ingredients with limit	re controls/personal protection s values ng at the The product does not contain any relevant quantities of materials with critical values that have to be
SECTION 8: Exposu 8.1 Control parameters Ingredients with limit that require monitorin workplace:	re controls/personal protection s values ng at the
SECTION 8: Exposu 8.1 Control parameters Ingredients with limit that require monitorin workplace:	re controls/personal protection s values ng at the The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
SECTION 8: Exposu 8.1 Control parameters Ingredients with limit that require monitorin workplace: DNELs 15520-11-3 di-(4-tertbu	re controls/personal protection s values og at the The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
SECTION 8: Exposu 8.1 Control parameters Ingredients with limit that require monitorin workplace: DNELs 15520-11-3 di-(4-tertbr Dermal DNEL Longte	re controls/personal protection s values ng at the The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace. utylcyclohexyl)-peroxydicarbonate erm System 16,67 mg/kg bw/day (Worker)
SECTION 8: Exposu 8.1 Control parameters Ingredients with limit that require monitorin workplace: DNELs 15520-11-3 di-(4-tertbr Dermal DNEL Longte	re controls/personal protection s values og at the The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
SECTION 8: Exposu 8.1 Control parameters Ingredients with limit that require monitorin workplace: DNELs 15520-11-3 di-(4-tertbr Dermal DNEL Longte	re controls/personal protection s values ng at the The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace. utylcyclohexyl)-peroxydicarbonate erm System 16,67 mg/kg bw/day (Worker)
SECTION 8: Exposu 8.1 Control parameters Ingredients with limit that require monitorin workplace: DNELs 15520-11-3 di-(4-tertbit Dermal DNEL Longte Inhalative DNEL Longte • PNECs	re controls/personal protection s values ng at the The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace. utylcyclohexyl)-peroxydicarbonate erm System 16,67 mg/kg bw/day (Worker) 5,87 mg/m3 (Worker)
SECTION 8: Exposu 8.1 Control parameters Ingredients with limit that require monitorin workplace: DNELs 15520-11-3 di-(4-tertbr Dermal DNEL Longte Inhalative DNEL Longte • PNECs 15520-11-3 di-(4-tertbr	re controls/personal protection s values ng at the The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace. utylcyclohexyl)-peroxydicarbonate erm System 16,67 mg/kg bw/day (Worker) 5,87 mg/m3 (Worker) utylcyclohexyl)-peroxydicarbonate
SECTION 8: Exposu 8.1 Control parameters Ingredients with limit that require monitorin workplace: DNELs 15520-11-3 di-(4-tertbr Dermal DNEL Longte Inhalative DNEL Longte PNECs 15520-11-3 di-(4-tertbr PNEC Marinewater sed	re controls/personal protection s values ng at the The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace. utylcyclohexyl)-peroxydicarbonate erm System 16,67 mg/kg bw/day (Worker) 5,87 mg/m3 (Worker) utylcyclohexyl)-peroxydicarbonate 468,5 mg/kg sed dw (-)
SECTION 8: Exposu 8.1 Control parameters Ingredients with limit that require monitorin workplace: DNELs 15520-11-3 di-(4-tertbi Dermal DNEL Longte Inhalative DNEL Longte PNECs 15520-11-3 di-(4-tertbi PNEC Marinewater sed PNEC Freshwater	ire controls/personal protection s values ing at the The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace. utylcyclohexyl)-peroxydicarbonate erm System 16,67 mg/kg bw/day (Worker) 5,87 mg/m3 (Worker) utylcyclohexyl)-peroxydicarbonate 468,5 mg/kg sed dw (-) 0,39 mg/l (AF 100)
SECTION 8: Exposu 8.1 Control parameters Ingredients with limit that require monitorin workplace: DNELS 15520-11-3 di-(4-tertbi DNEL Longte DNEL Longte DNEL Longte PNECS 15520-11-3 di-(4-tertbi PNEC Marinewater sed PNEC Freshwater PNEC Freshwater sed	ire controls/personal protection s values ing at the The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace. utylcyclohexyl)-peroxydicarbonate erm System 16,67 mg/kg bw/day (Worker) js.87 mg/m3 (Worker) tylcyclohexyl)-peroxydicarbonate 468,5 mg/kg sed dw (-) 0,39 mg/l (AF 100) 4.685 mg/kg sed dw (-)
SECTION 8: Exposu 8.1 Control parameters Ingredients with limit that require monitorin workplace: DNELS 15520-11-3 di-(4-tertbi DNEL Longte DNEL Longte DNEL Longte DNEL Longte ST5520-11-3 di-(4-tertbi PNEC Marinewater sed PNEC Freshwater PNEC Freshwater sed PNEC Soil	Ire controls/personal protection s values ng at the The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace. utylcyclohexyl)-peroxydicarbonate erm System 16,67 mg/kg bw/day (Worker) s,87 mg/m3 (Worker) utylcyclohexyl)-peroxydicarbonate 468,5 mg/kg sed dw (-) 0,39 mg/l (AF 100) 4.685 mg/kg sed dw (-) 936,8 mg/kg soil dw (-)
SECTION 8: Exposu 8.1 Control parameters Ingredients with limit that require monitorin workplace: DNELS 15520-11-3 di-(4-tertbi DNEL Longte DNEL Longte DNEL Longte DNEL Longte DNEL S 15520-11-3 di-(4-tertbi PNEC Marinewater sed PNEC Freshwater PNEC Freshwater sed PNEC Soil	Image: Solution S
SECTION 8: Exposu 8.1 Control parameters Ingredients with limit that require monitorin workplace: DNELs 15520-11-3 di-(4-tertbi Dermal DNEL Longte Inhalative DNEL Longte • PNECs 15520-11-3 di-(4-tertbi PNEC Marinewater sed PNEC Freshwater	Ire controls/personal protection s values ng at the The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace. utylcyclohexyl)-peroxydicarbonate erm System 16,67 mg/kg bw/day (Worker) s,87 mg/m3 (Worker) utylcyclohexyl)-peroxydicarbonate 468,5 mg/kg sed dw (-) 0,39 mg/l (AF 100) 4.685 mg/kg sed dw (-) 936,8 mg/kg soil dw (-)
SECTION 8: Exposu 8.1 Control parameters Ingredients with limit that require monitorin workplace: DNELS 15520-11-3 di-(4-tertbi Dermal DNEL Longte Inhalative DNEL Longte STS520-11-3 di-(4-tertbi PNECS 15520-11-3 di-(4-tertbi PNEC Marinewater sed PNEC Freshwater PNEC Freshwater PNEC Soil PNEC STP	re controls/personal protection s values ig at the The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace. utylcyclohexyl)-peroxydicarbonate erm System 16,67 mg/kg bw/day (Worker) erm System 16,67 mg/kg bw/day (Worker) form System 5,87 mg/m3 (Worker) utylcyclohexyl)-peroxydicarbonate 468,5 mg/kg sed dw (-) 0,39 mg/l (AF 100) 4.685 mg/kg sed dw (-) 936,8 mg/kg soil dw (-) 2 mg/l (AF 10) 0,039 mg/l (AF 1.000)

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8.2 Exposure controls		(Contd. of page	
Appropriate engineering			
controls	No further data; see section	7.	
Individual protection measure	es, such as personal protectiv	ve equipment	
General protective and			
hygienic measures:		asures are to be adhered to when handling chemicals.	
	Keep away from foodstuffs,	beverages and feed.	
		ed and contaminated clothing	
	Wash hands before breaks a		
	Store protective clothing sep		
	Do not eat, drink, smoke or s		
	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	
		I respiratory protective device.	
	Use suitable respira	atory device when it exceed exposure limit and when insufficiently ventilated.	
	Filter P2		
Hand protection		e 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		gloves does not only depend on the material, but also on further marks of	
	quality and varies from man		
	Butyl rubber, BR		
	Fluorocarbon rubber (Viton)		
	Nitrile rubber, NBR		
	Neoprene		
Penetration time of glove	The event has all the view times	has to be formed and by the manufactures of the methodics eleves and has to	
material	observed.	has to be found out by the manufacturer of the protective gloves and has to	
Eye/face protection	observed.		
Lyenace protection	Tightly sealed gogg	les	
Body protection:		thin a	
	Protective work clot	i ing	
ECTION 9: Physical and c	hemical properties		
1 Information on basic physic	ical and chemical properties		
General Information			
Colour:		white - yellowish	
Odour:		Characteristic	
 Odour threshold: Melting point/freezing point: 		Not determined.	
01 01		Not applicable.	
Boiling point or initial boiling Flammability	g point and boining range	Not applicable. May cause fire.	
Lower and upper explosion l	limit	May cause life.	
· Lower:		Not determined.	
· Lower:		Not determined.	
· Flash point:		Not applicable.	
Decomposition temperature:		+40 °C (SADT)	
pH		Not applicable.	
Viscosity:			
Kinematic viscosity		Not applicable.	
· Dynamic:		Not applicable.	
Solubility			
water:		Undetermined.	
Partition coefficient n-octand	ol/water (log value)	not determined	
Vanour prossure:		Not applicable	

Not applicable. Not determined. Not determined.

- Partition coefficient n-octanol/water (log value)
 Vapour pressure:
 Density and/or relative density
 Density:
 Relative density

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	(Contd. of pag
· Bulk density at 10 °C:	540 kg/m³
· Vapour density	Not applicable.
· Particle characteristics	
See section 3	
9.2 Other information	No further relevant information available.
Appearance:	
· Form:	Like powder
Important information on protection of health	
and on safety.	······································
Ignition temperature:	Product is not selfigniting.
Explosive properties:	Product is not explosive. However, formation of explosive air/dust
P · · · P · P · · · ·	mixtures are possible.
Change in condition	
· Evaporation rate	Not applicable.
Information with regard to physical hazard cla	26565
• 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 flamma	able 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	2.9 - 3.1 %

SECTION 10: Stability and reactivity

No further relevant information available. · 10.1 Reactivity · 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 Self-accelerating decomposition at SADT. reactions 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.

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· LD/LC50 values relevant for cl	assification:	
15520-11-3 di-(4-tertbutylcyclo	hexyl)-peroxydicarbonate	
Oral LD50 >5.000 mg/kg (rattus)		
98-52-2 4-tert-butylcyclohexano		
Oral LD50 4.200 mg/kg (rattus)		
· Skin corrosion/irritation	Based on available data, the classification criteria are not met.	
· Serious eye damage/irritation	Low irritant effect	
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 hazar	ds	
· Endocrine disrupting propertie	S	
None of the ingredients is listed.		

SECTION 12: Ecological information

· 12.1 Toxicity		
· Aquatic toxicity:		
15520-11-3 di-(4-tertbutylcyc	<i>,</i> ,, <i>,</i>	
LC50 / 96h 704 mg/l (oncorhyn		
12.2 Persistence and degrada Degree of elimination:	bility	
Classification:		
	laboxud) naroxudiaarhanata	
15520-11-3 di-(4-tertbutylcyc		
Degradation (Not readily biode	o , (,	
98-52-2 4-tert-butylcyclohexar		
Degradation (Readily biodegra		
12.3 Bioaccumulative potentia		
· Partition coefficient: nOctan		
15520-11-3 di-(4-tertbutylcycle		8,34
98-52-2 4-tert-butylcyclohe	kanol	3,23 (20°C)
· Bioconcentration factor (BCF	-)	
15520-11-3 di-(4-tertbutylcyc	lohexyl)-peroxydicarbonate	
BCF 2.926		
12.4 Mobility in soil	No further relevant information available.	
 12.5 Results of PBT and vPvB 		
· PBT:	The substances in the mixture do not meet the PBT/vPvB criteria according to REACH	,
· vPvB:	The substances in the mixture do not meet the PBT/vPvB criteria according to REACH	l, 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	
Additional ecological information		
· General notes:	Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for v	water
	Do not allow undiluted product or large quantities of it to reach ground water, water co system.	

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

· Waste disposal key:

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

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Uncleaned packaging:
 Recommendation:

This material and its container must be disposed of as hazardous waste.

UN3114
UN3114 ORGANIC PEROXIDE TYPE C, SOLID, TEMPERATURE CONTROLLED (DI-(4-tertBUTYLCYCLOHEXYL)- PEROXYDICARBONATE)
ORGANIC PEROXIDE TYPE C, SOLID, TEMPERATURE CONTROLLE (DI-(4-tertBUTYLCYCLOHEXYL)-PEROXYDICARBONATE)
5.2 (P2) Organic peroxides. 5.2
5.2 Organic peroxides. 5.2
x
x
Void
No
Warning: Organic peroxides.
- D
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.
uments Not applicable.
0
Code: E0
Not permitted as Excepted Quantity 1
D
no admission
0 Code: E0 Not permitted as Excepted Quantity
no admission
+30 °C



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· Emergency temperature:	+35 °C
SECTION 15: Regulatory inf	ormation
 15.1 Safety, health and environ 	mental regulations/legislation specific for the substance or mixture
Directive 2012/18/EU	
Named dangerous substances	
- ANNEX I	None of the ingredients is listed. P6b SELF-REACTIVE SUBSTANCES AND MIXTURES and ORGANIC PEROXIDES
 Seveso category Qualifying quantity (tonnes) for 	
the application of lower-tier	n
requirements	50 t
Qualifying quantity (tonnes) for)r
the application of upper-tier	
requirements	200 t
· 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 EXPLO	DSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))
None of the ingredients is listed.	
· Annex II - REPORTABLE EXPI	-OSIVES PRECURSORS
None of the ingredients is listed.	
· Regulation (EC) No 273/2004 of	on drug precursors
None of the ingredients is listed.	
 Regulation (EC) No 111/2005 I precursors 	aying 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.

· Relevant phrases	H242 Heating may cause a fire. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H412 Harmful to aquatic life with long lasting effects.
Department issuing SDS: Contact:	Environment protection / Security of labour Tel: +49 2871 9902-0 E-mail: mail@pergan.com
· Version number of previous	
version:	6
• 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 EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) DNEL: Derived No-Effect Level (REACH) PNEC: Predicted No-Effect Concentration (REACH) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic VPVB: very Persistent and very Bioaccumulative Org. Perox. C: Organic peroxides – Type C/D Eye Irrit. 2: Serious eye damage/eye irritation – Category 2 Skin Sens. 1: Skin sensitisation – Category 1 Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3
• * Data compared to the	

previous version altered.

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