

Printing date 02.04.2024

Version: 10 (replaces version 9)

Revision: 16.02.2023

The Peroxide Company

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

· 1.1 Product identifier

PEROYAN HY-80 W

· Trade name:		
$\cdot$ 1.2 Relevant identified uses of the substance or mixture and uses advised again		
	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. Hazarda idantifi	nation	

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

### · 2.1 Classification of the substance or mixture · Classification according to Regulation (EC) No 1272/2008

Org. Perox. D H242 Heating may cause a fire.

Skin Irrit. 2 H315 Causes skin irritation.

· 2.2 Label elements · Labelling according to Hazard pictograms

Regulation (EC) No 1272/2008 The product is classified and labelled according to the GB CLP regulation.

GHS02 C	GHS07

· Signal word	Danger
<ul> <li>Hazard-determining components of labelling:</li> <li>Hazard statements</li> </ul>	2,5-Dimethyl-2,5-di-(tertbutylperoxy)-hexane H242 Heating may cause a fire. H315 Causes skin irritation.
<ul> <li>Precautionary statements</li> </ul>	<ul> <li>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</li> <li>P220 Keep away from dirt, rust, chemicals in particular concentrated acids, alkalis and accelerators (e. g. heavy metal compounds and amines).</li> <li>P234 Keep only in original packaging.</li> <li>P264 Wash thoroughly after handling.</li> <li>P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.</li> <li>P370+P378 In case of fire: Use CO2, powder or water spray to extinguish.</li> <li>P410 Protect from sunlight.</li> <li>P411+P235 Store at temperatures not exceeding +40°C. Keep cool.</li> <li>P420 Store separately.</li> <li>P501 Dispose of contents/container in accordance with local/regional/national/international</li> </ul>
<ul> <li>2.3 Other hazards</li> <li>Results of PBT and vPvB ass</li> <li>PBT:</li> <li>vPvB:</li> </ul>	regulations. essment The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH, annex XIII. The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH, annex XIII.

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

### · 3.2 Mixtures

· Dangerous components:			
CAS: 78-63-7	2,5-Dimethyl-2,5-di-(tertbutylperoxy)-hexane	Org. Perox. C, H242; Skin Irrit. 2, H315	80-90%
EINECS: 201-128-1		5 5 5	
Reg-No.: 01-2119875400-42			
• Additional information:	For the wording of the listed hazard phrases refer to s	ection 16.	

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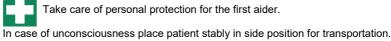
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### **SECTION 4: First aid measures**

· 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.

Immediately remove contaminated clothing.

If symptoms persist consult doctor.

Take affected persons into fresh air and keep quiet.

Immediately wash with water and soap and rinse thoroughly.

Rinse opened eye for several minutes under running water.

No further relevant information available.

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

5.1 Extinguishing media 5.2 Special hazards arising from

• Suitable extinguishing agents: CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam. Under certain fire conditions, traces of other toxic gases cannot be excluded.

Hydrocarbons, carbondioxide and -monoxid.

5.3 Advice for firefighters Protective equipment: Additional information

the substance or mixture

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

### **SECTION 6: Accidental release measures**

<ul> <li>6.1 Personal precautions, protective equipment and</li> </ul>	
emergency procedures	Keep away from ignition sources.
energener presenties	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.
<ul> <li>6.3 Methods and material for</li> </ul>	
containment and cleaning up:	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**

· 7.1 Precautions for safe	
handling	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.
	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).
	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.

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

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	(Contd. of page 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 and	
explosion protection:		
	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 safe	e storage, including any incompatibilities	
· Storage:	Pay attention to the special requirements of your local autorithies for storing dangerous goods.	
• Requirements to be r	•	
storerooms and rece	ptacles: Store only in the original receptacle. Prevent any seepage into the ground.	
	Use only receptacles specifically permitted for this substance/product.	
· Information about ste	orage in	
one common storage	Do not store or park organic peroxide together with heavy metal compounds and amines. Store away from foodstuffs, drinks and feeding stuffs.	
<ul> <li>Further information a storage conditions:</li> </ul>	Protect from heat and direct sunlight.	
· Recommended stora	Protect from contamination.	
temperature (To mai		
quality):	+5 +40 °C	
Storage class:	5.2	
7.3 Specific end use(s)	) No further relevant information available.	
SECTION 8: Exposu 8.1 Control parameters Ingredients with limit that require monitorin workplace:	values	
8.1 Control parameters Ingredients with limit that require monitorin workplace: DNELs	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.	
8.1 Control parameters Ingredients with limit that require monitorin workplace: DNELs 78-63-7 2,5-Dimethyl-2	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. ,5-di-(tertbutylperoxy)-hexane	
8.1 Control parameters Ingredients with limit that require monitorin workplace: DNELs 78-63-7 2,5-Dimethyl-2 Dermal DNEL Longte	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. ,5-di-(tertbutylperoxy)-hexane erm System 15 mg/kg bw/day (Worker)	
8.1 Control parameters Ingredients with limit that require monitorin workplace: DNELs 78-63-7 2,5-Dimethyl-2 Dermal DNEL Longte	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. ,5-di-(tertbutylperoxy)-hexane	
8.1 Control parameters Ingredients with limit that require monitorin workplace: DNELs 78-63-7 2,5-Dimethyl-2 Dermal DNEL Longte Inhalative DNEL Longte PNECs	<ul> <li>S values or gat the The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.</li> <li>,5-di-(tertbutylperoxy)-hexane erm System 15 mg/kg bw/day (Worker) 11 mg/m3 (Worker)</li> </ul>	
8.1 Control parameters Ingredients with limit that require monitorin workplace: DNELs 78-63-7 2,5-Dimethyl-2 Dermal DNEL Longte Inhalative DNEL Longte PNECs 78-63-7 2,5-Dimethyl-2	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. ,5-di-(tertbutylperoxy)-hexane erm System 15 mg/kg bw/day (Worker) 11 mg/m3 (Worker) ,5-di-(tertbutylperoxy)-hexane	
8.1 Control parameters Ingredients with limit that require monitorin workplace: DNELs 78-63-7 2,5-Dimethyl-2 Dermal DNEL Longte Inhalative DNEL Longte PNECS 78-63-7 2,5-Dimethyl-2 PNEC Marinewater sed	<ul> <li>s values not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.</li> <li>,5-di-(tertbutylperoxy)-hexane</li> <li>erm System 15 mg/kg bw/day (Worker)</li> <li>11 mg/m3 (Worker)</li> <li>,5-di-(tertbutylperoxy)-hexane</li> <li>7.22 mg/kg sed dw (-)</li> </ul>	
8.1 Control parameters Ingredients with limit that require monitorin workplace: DNELs 78-63-7 2,5-Dimethyl-2 Dermal DNEL Longte Inhalative DNEL Longte PNECs 78-63-7 2,5-Dimethyl-2	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. ,5-di-(tertbutylperoxy)-hexane erm System 15 mg/kg bw/day (Worker) 11 mg/m3 (Worker) ,5-di-(tertbutylperoxy)-hexane 7.22 mg/kg sed dw (-) 0.00065 mg/l (AF 10)	
8.1 Control parameters Ingredients with limit that require monitorin workplace: DNELs 78-63-7 2,5-Dimethyl-2 Dermal DNEL Longte Inhalative DNEL Longte PNECs 78-63-7 2,5-Dimethyl-2 PNEC Marinewater sed PNEC Freshwater PNEC Freshwater sed	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. ,5-di-(tertbutylperoxy)-hexane erm System 15 mg/kg bw/day (Worker) erm System 11 mg/m3 (Worker) ,5-di-(tertbutylperoxy)-hexane 7.22 mg/kg sed dw (-) 0.00065 mg/l (AF 10) 72.2 mg/kg sed dw (-)	
8.1 Control parameters Ingredients with limit that require monitorin workplace: DNELs 78-63-7 2,5-Dimethyl-2 Dermal DNEL Longte Inhalative DNEL Longte PNECS 78-63-7 2,5-Dimethyl-2 PNEC Marinewater sed PNEC Freshwater PNEC Freshwater sed PNEC Soil	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. 5-di-(tertbutylperoxy)-hexane erm System 15 mg/kg bw/day (Worker) 11 mg/m3 (Worker) 5-di-(tertbutylperoxy)-hexane 7.22 mg/kg sed dw (-) 0.00065 mg/l (AF 10) 72.2 mg/kg sed dw (-) 14.4 mg/kg soil dw (-)	
8.1 Control parameters Ingredients with limit that require monitorin workplace: DNELs 78-63-7 2,5-Dimethyl-2 Dermal DNEL Longte Inhalative DNEL Longte PNECs 78-63-7 2,5-Dimethyl-2 PNEC Marinewater sed PNEC Freshwater PNEC Freshwater sed	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. ,5-di-(tertbutylperoxy)-hexane erm System 15 mg/kg bw/day (Worker) erm System 11 mg/m3 (Worker) ,5-di-(tertbutylperoxy)-hexane 7.22 mg/kg sed dw (-) 0.00065 mg/l (AF 10) 72.2 mg/kg sed dw (-)	

<ul> <li>8.2 Exposure controls</li> <li>Appropriate engineering</li> </ul>		
controls	No further data; see section 7.	
<ul> <li>Individual protection measure</li> </ul>	s, such as personal protective equipment	
General protective and		
hygienic measures:	The usual precautionary measures are to be adhered to when handling chemicals. Keep away from foodstuffs, beverages and feed.	
		(Cont

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Immediately remove all soiled	(Contd. of page 3	
Wash hands before breaks and		
Store protective clothing separa		
Avoid close or long term contact		
Avoid contact with the eyes an Do not eat, drink, smoke or sni		
Use skin protection cream for s		
	ly after work and before breaks.	
• Respiratory protection: Not necessary if room is well-v	Not necessary if room is well-ventilated.	
	ry device when it exceed exposure limit and when insufficiently ventilated.	
Filter A2		
	loves with CE-labelling of category III.	
	material on consideration of the penetration times, rates of diffusion and the	
degradation		
Protective gloves		
8	oves does not only depend on the material, but also on further marks of	
quality and varies from manufa		
Butyl rubber, BR		
Fluorocarbon rubber (Viton)		
Nitrile rubber, NBR		
Neoprene · Penetration time of glove		
-	as to be found out by the manufacturer of the protective gloves and has to be	
observed.		
Eye/face protection		
Tightly sealed goggles	5	
· Body protection:		
Protective work clothin	a	
	5	
SECTION 9: Physical and chemical properties		
• 9.1 Information on basic physical and chemical properties • General Information		
· Colour:	colourless - yellowish	
· 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: · Flash point:	Not determined. 90 °C	
Decomposition temperature:	90 °C (SADT)	
· pH	Not determined.	
Viscosity:		
· Kinematic viscosity	Not determined.	
Dynamic at 20 °C:	14 mPas	
Solubility		
· water:	Undetermined.	
<ul> <li>Partition coefficient n-octanol/water (log value)</li> <li>Vapour pressure:</li> </ul>	not determined Not determined.	
· Density and/or relative density		
· Density at 20 °C:	0.871 g/cm³	
· Relative density	Not determined.	
Vapour density	Not determined.	
9.2 Other information		
· Appearance:		
· Form:	Fluid	
Important information on protection of health and environme	nt,	
and on safety.		
· Ignition temperature:	Product is not selfigniting.	
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· 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
<ul> <li>Self-reactive substances and mixtures</li> </ul>	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

### 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 Hydrocarbons, carbondioxide and -monoxid. products: 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

Based on available data, the classification criteria are not met. Acute toxicity LD/LC50 values relevant for classification: 78-63-7 2,5-Dimethyl-2,5-di-(tert.-butylperoxy)-hexane Oral LD50 >2,000 mg/kg (rattus) Dermal LD50 >2,000 mg/kg (rabbit) Skin corrosion/irritation Causes skin irritation. · 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.

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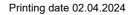
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<ul> <li>Endocrine disrupting pro</li> </ul>	Derties	
None of the ingredients is lis	ted.	
SECTION 12: Ecologica	linformation	
12.1 Toxicity • Aquatic toxicity: 12.2 Persistence and degr • Degree of elimination:	No further relevant information available. Adability	
· Classification:		
78-63-7 2,5-Dimethyl-2,5-d	-(tertbutylperoxy)-hexane	
Degradation (Not readily bi	odegradable) (OECD 301 D)	
12.3 Bioaccumulative pote	ntial	
· Partition coefficient: nOo		
78-63-7 2,5-Dimethyl-2,5	di-(tertbutylperoxy)-hexane	7,34 (20°C
8042-47-5 White mineral oi	, petroleum	> 3,5
75-65-0 2-methylpropan-		0,32 (20°C
110-05-4 di-tert-butyl pero	ride	3,2 (22°C)
· Bioconcentration factor (	BCF)	
78-63-7 2,5-Dimethyl-2,5-d	-(tertbutylperoxy)-hexane	
BCF 521-839		
12.4 Mobility in soil	No further relevant information available.	
12.5 Results of PBT and v		
· PBT: · vPvB:	The substances in the mixture do not meet the PBT/vPvB The substances in the mixture do not meet the PBT/vPvB	
12.6 Endocrine disrupting		Citteria according to OK REACH, alliex All.
properties	The product does not contain substances with endocrine of	disrupting properties.
12.7 Other adverse effects		
· Additional ecological info		
· General notes:	Water hazard class 1 (German Regulation) (Self-assessm Do not allow undiluted product or large quantities of it to re system.	

3.1 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:	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	
<ul> <li>14.1 UN number or ID number</li> <li>ADR, IMDG, IATA</li> </ul>	UN3105
· 14.2 UN proper shipping name · ADR	UN3105 ORGANIC PEROXIDE TYPE D, LIQUID (2,5-DIMETHYL-2,5-DI-
· IMDG, IATA	(tertBUTYLPEROXY)-HEXANE) ORGANIC PEROXIDE TYPE D, LIQUID (2,5-DIMETHYL-2,5-DI-(tert BUTYLPEROXY)-HEXANE)
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14.3 Transport hazard class(es)		
ADR		
·Class	5.2 (P1) Organic peroxides.	
Label	5.2 (F7) organic peroxides. 5.2	
· IMDG, IATA		
· Class · Label	5.2 Organic peroxides. 5.2	
14.4 Packing group	5.2	
· 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):	-	
· EMS Number: · Stowage Category	F-J,S-R D	
· Stowage Code	SW1 Protected from sources of heat.	
· Segregation Code	SG35 Stow "separated from" SGG1-acids	
	SG36 Stow "separated from" SGG18-alkalis.	
	SG72 See 7.2.6.3.2.	
14.7 Maritime transport in bulk according to IMO instr	uments Not applicable.	
· Transport/Additional information:		
· ADR		
Limited quantities (LQ)	125 ml	
<ul> <li>Excepted quantities (EQ)</li> </ul>	Code: E0	
Transmark astanam.	Not permitted as Excepted Quantity	
<ul> <li>Transport category</li> <li>Tunnel restriction code</li> </ul>	2 D	
· RID / GGVSEB:	like ADR	
· IMDG		
· Limited quantities (LQ)	125 ml	
<ul> <li>Excepted quantities (EQ)</li> </ul>	Code: E0 Not permitted as Excepted Quantity	
	Not permitted as Excepted Quantity	

### **SECTION 15: Regulatory information**

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

 Poisons Act
 Regulated explosives precursors

 None of the ingredients is listed.
 Reportable explosives precursors
 None of the ingredients is listed.
 Reportable poisons
 None of the ingredients is listed.
 Reportable poisons
 None of the ingredients is listed.
 Objective 2012/18/EU
 Qualifying quantity (tonnes) for the application of lower-tier requirements
 50 t

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· Qualifying quantity (town) fo	(Contd. of page
<ul> <li>Qualifying quantity (tonnes) fo the application of upper-tier</li> </ul>	r
requirements	200 t
DIRECTIVE 2011/65/EU on the I	restriction of the use of certain hazardous substances in electrical and electronic equipment – Anne
П	
None of the ingredients is listed.	
· Annex I - RESTRICTED EXPLO	SIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))
None of the ingredients is listed.	
· Annex II - REPORTABLE EXPL	OSIVES PRECURSORS
None of the ingredients is listed.	
· Regulation (EC) No 273/2004 o	n drug precursors
None of the ingredients is listed.	
<ul> <li>Regulation (EC) No 111/2005 la precursors</li> </ul>	aying down rules for the monitoring of trade between the Community and third countries in drug
None of the ingredients is listed.	
National regulations:	
•	
<ul> <li>Other regulations, limitations a</li> <li>Please note:</li> </ul>	Take care of the respective local regulations.
SECTION 16: Other informat	
This information is based on our p not establish a legally valid contra-	resent knowledge. However, this shall not constitute a guarantee for any specific product features and shall ctual relationship.
· Relevant phrases	H242 Heating may cause a fire. H315 Causes skin irritation.
· Department issuing SDS:	Environment protection / Security of labour
· Contact:	Tel: +49 2871 9902-0
Abbroviations and acronymes	E-mail: mail@pergan.com RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the
Abbreviations and acronyms:	International Transport of Dangerous Goods by Rail)
	ICAO: International Civil Aviation Organisation ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International
	Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods
	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 (UK REACH) PNEC: Predicted No-Effect Concentration (UK 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 Org. Perox. D: Organic peroxides – Type C/D
* Data commenced to the	Skin Irrit. 2: Skin corrosion/irritation – Category 2
* * Data compared to the	

# \* Data compared to the previous version altered.

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