

Version: 7 (replaces version 6)

The Peroxide Company

Revision: 20.12.2022

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

#### · 1.1 Product identifier

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· Trade name:	PEROXAN BIB-40 EV-G
$\cdot$ 1.2 Relevant identified uses of the	ne substance or mixture and uses advised against
Application of the substance / the mixture     Reaction initiator For industrial use	
<ul> <li>1.3 Details of the supplier of the</li> <li>Manufacturer/Supplier:</li> </ul>	safety data sheet PERGAN GmbH Hilfsstoffe für industrielle Prozesse Schlavenhorst 71 D-46395 Bocholt Tel: +49 2871 9902-0 Fax: +49 2871 9902-50
<ul> <li>Further information obtainable from:</li> <li>1.4 Emergency telephone number:</li> </ul>	Environment protection / Security of labour Qualified person: E-mail: msds@pergan.com - Tel: +49 2871 9902-0

SECTION 2: Hazards identification		
<ul> <li>• 2.1 Classification of the substance or mixture</li> <li>• Classification according to Regulation (EC) No 1272/2008</li> <li>Org. Perox. G</li> <li>Aquatic Chronic 4 H413 May cause long lasting harmful effects to aquatic life.</li> </ul>		
<ul> <li>2.2 Label elements</li> <li>Labelling according to</li> <li>Regulation (EC) No 1272/2008</li> <li>Hazard pictograms</li> <li>Signal word</li> </ul>	The product is classified and labelled according to the CLP regulation. Void Void	
<ul> <li>Hazard-determining components of labelling: [1,3 (or 1,4)-phenylenebis(1-methylethylidene)]bis[tert-butyl] peroxide</li> <li>Hazard statements H413 May cause long lasting harmful effects to aquatic life.</li> <li>Precautionary statements P273 Avoid release to the environment. P501 Dispose of contents/container in accordance with local/regional/national/international regulations.</li> </ul>		
• 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.         • Determination of endocrine-       The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.		
disrupting properties The product does not contain substances with endocrine disrupting properties.		

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

#### · 3.2 Mixtures

· Dangerous components:		
	[1,3 (or 1,4)-phenylenebis(1-methylethylidene)]bis[tert-butyl] peroxide Org. Perox. D, H242; Aquatic Chronic 4, H413	30-40%
• Additional information:	For the wording of the listed hazard phrases refer to section 16.	

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

4.1 Description of first aid measures General information:



Take care of personal protection for the first aider.

Take affected persons into fresh air and keep quiet.

Rinse opened eye for several minutes under running water.

· After inhalation: · After skin contact:

After eye contact:

After swallowing:

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

If symptoms persist consult doctor.

Immediately remove contaminated clothing.

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<ul> <li>4.3 Indication of any immediate medical attention and special</li> </ul>	
treatment needed	No further relevant information available.
SECTION 5: Firefighting mea	sures
· 5.1 Extinguishing media	
<ul> <li>Suitable extinguishing agents:</li> <li>5.2 Special hazards arising from</li> </ul>	
the substance or mixture 5.3 Advice for firefighters	Under certain fire conditions, traces of other toxic gases cannot be excluded.
<ul> <li>Protective equipment:</li> <li>Additional information</li> </ul>	Do not inhale explosion gases or combustion gases. Cool endangered receptacles with water spray. Self-protection first!
SECTION 6: Accidental relea	
<ul> <li>6.1 Personal precautions, protective equipment and emergency procedures</li> </ul>	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 Environmental precautions:	Wear protective equipment. Keep unprotected persons away. Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/ surface or ground water.
6.3 Methods and material for containment and cleaning up:	Ensure adequate ventilation. Pick up mechanically, collect in a suitable receptacle and dispose in accordance with government
· 6.4 Reference to other sections	regulations. 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: Usedling and st	
SECTION 7: Handling and sto	orage
<ul> <li>7.1 Precautions for safe handling</li> </ul>	Open and handle receptacle with care.
handing	Prevent formation of dust.
	Wear suitable respiratory protective device when decanting larger quantities without extractor facilities.
	Before break and at the end of work hands should be thoroughly washed. 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. Avoid shock and friction.
· Information about fire - and	
explosion protection:	Protect from heat.
	Prevent impact and friction. Dust can combine with air to form an explosive mixture.
	Substance/product is oxidising when dry.
	Avoid open flames, sparks, direct sunlight and other sources of ignition.
7.2 Conditions for safe storage,	
<ul> <li>Storage:</li> <li>Requirements to be met by</li> </ul>	Pay attention to the special requirements of your local autorithies for storing dangerous goods.
storerooms and receptacles:	Store only in the original receptacle.
	Prevent any seepage into the ground. Use only receptacles specifically permitted for this substance/product.
· Information about storage in	
one common storage facility: • Further information about	Store away from foodstuffs, drinks and feeding stuffs.
storage conditions:	Protect from heat and direct sunlight.
· Recommended storage	Protect from contamination.
temperature (To maintain	
quality):	max.: +30 °C

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<ul> <li>Storage class:</li> <li>7.3 Specific end use(s)</li> </ul>	5.2 No further relevant information available.
SECTION 8: Exposure contro	ols/personal protection
<ul> <li>8.1 Control parameters</li> <li>Ingredients with limit values that require monitoring at the workplace:</li> </ul>	The product does not contain any relevant quantities of materials with critical values that have to be
	monitored at the workplace.
	a b ta (d. sea dhadadhadtala a 200 ta Pirada baatad) ar ann a' da
	nebis(1-methylethylidene)]bis[tert-butyl] peroxide n 28 mg/kg bw/day (Worker)
Inhalative DNEL Longterm Syster	
· PNECs	abia/4 mathulathulidana/lhialtant kutull navavida
PNEC Marinewater sed 0,892 mg	hebis(1-methylethylidene)]bis[tert-butyl] peroxide
	g sed dw (AF 1.000) g sed dw (AF 100)
PNEC STP 100 mg/l	
· Additional information:	The lists valid during the making were used as basis.
8.2 Exposure controls Appropriate engineering controls Individual protection measures General protective and	No further data; see section 7. , such as personal protective equipment
hygienic measures:	The usual precautionary measures are to be adhered to when handling chemicals. Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing Wash hands before breaks and at the end of work. Store protective clothing separately. 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.
<ul> <li>Respiratory protection:</li> </ul>	Not necessary if room is well-ventilated. Use suitable respiratory device when it exceed exposure limit and when insufficiently ventilated. Filter P2
· Hand protection	Only use chemical-protective gloves with CE-labelling of category III. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
· Material of gloves	Protective gloves The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. Butyl rubber, BR Fluorocarbon rubber (Viton) Nitrile rubber, NBR Neoprene
· Penetration time of glove	
material	The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be
	observed.
• Eye/face protection	Tightly sealed goggles
· Body protection:	Protective work clothing

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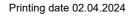
# Trade name: PEROXAN BIB-40 EV-G

SECTION 9: Physical and chemical properties		
9.1 Information on basic physical and chemical properties		
General Information		
· Colour:	white - 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	May cause fire.	
· Lower and upper explosion limit	May cause me.	
· Lower:	Not determined.	
· Upper:	Not determined.	
· Flash point:	Not applicable.	
· Decomposition temperature:	+80 °C (SADT)	
· pH	Not applicable.	
· Viscosity:	Not applicable.	
· Kinematic viscosity	Natapplicable	
· Dynamic:	Not applicable.	
	Not applicable.	
· Solubility · water:	Undetermined.	
Partition coefficient n-octanol/water (log value)     Vanour prossure:	not determined	
<ul> <li>Vapour pressure:</li> <li>Density and/or relative density</li> </ul>	Not applicable.	
, ,	No.4 defense in a d	
Density:	Not determined.	
Relative density	Not determined.	
Bulk density at 20 °C:	350 - 400 kg/m <sup>3</sup>	
Vapour density	Not applicable.	
Particle characteristics		
See section 3.		
See section 3. 9.2 Other information	No further relevant information available.	
	No further relevant information available.	
9.2 Other information	Solid	
9.2 Other information Appearance:		
9.2 Other information Appearance: Form: Important information on protection of health and environm	Solid Granulate	
9.2 Other information Appearance: Form: Important information on protection of health and environm and on safety.	Solid Granulate nent,	
9.2 Other information Appearance: Form: Important information on protection of health and environm and on safety. Ignition temperature:	Solid Granulate nent, Product is not selfigniting.	
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9.2 Other information Appearance: Form: Important information on protection of health and environm and on safety. Ignition temperature: Explosive properties: Change in condition Evaporation rate	Solid Granulate nent, Product is not selfigniting. Not determined.	
9.2 Other information Appearance: • Form: Important information on protection of health and environm and on safety. • Ignition temperature: • Explosive properties: Change in condition • Evaporation rate Information with regard to physical hazard classes	Solid Granulate hent, Product is not selfigniting. Not determined. Not applicable.	
9.2 Other information Appearance: • Form: Important information on protection of health and environm and on safety. • Ignition temperature: • Explosive properties: Change in condition • Evaporation rate Information with regard to physical hazard classes • Explosives	Solid Granulate Product is not selfigniting. Not determined. Not applicable. Void	
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9.2 Other information Appearance: • Form: Important information on protection of health and environm and on safety. • Ignition temperature: • Explosive properties: Change in condition • Evaporation rate Information with regard to physical hazard classes • Explosives • Flammable gases • Aerosols	Solid Granulate Product is not selfigniting. Not determined. Not applicable. Void Void Void	
9.2 Other information Appearance: • Form: Important information on protection of health and environm and on safety. • Ignition temperature: • Explosive properties: Change in condition • Evaporation rate Information with regard to physical hazard classes • Explosives • Flammable gases • Aerosols • Oxidising gases	Solid Granulate Product is not selfigniting. Not determined. Not applicable. Void Void Void Void Void	
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9.2 Other information Appearance: Form: Important information on protection of health and environm and on safety. Ignition temperature: Explosive properties: Change in condition Evaporation rate Information with regard to physical hazard classes Explosives Flammable gases Aerosols Oxidising gases Gases under pressure Flammable liquids Flammable solids	Solid Granulate Product is not selfigniting. Not determined. Not applicable. Void Void Void Void Void Void Void Void	
9.2 Other information Appearance: Form: Important information on protection of health and environm and on safety. Ignition temperature: Explosive properties: Change in condition Evaporation rate Information with regard to physical hazard classes Explosives Flammable gases Aerosols Oxidising gases Gases under pressure Flammable liquids Flammable solids Self-reactive substances and mixtures	Solid Granulate Product is not selfigniting. Not determined. Not applicable. Void Void Void Void Void Void Void Void	
9.2 Other information Appearance: Form: Important information on protection of health and environm and on safety. Ignition temperature: Explosive properties: Change in condition Evaporation rate Information with regard to physical hazard classes Explosives Flammable gases Aerosols Oxidising gases Gases under pressure Flammable liquids Flammable solids Self-reactive substances and mixtures Pyrophoric liquids	Solid Granulate Product is not selfigniting. Not determined. Not applicable. Void Void Void Void Void Void Void Void	
9.2 Other information Appearance: Form: Important information on protection of health and environm and on safety. Ignition temperature: Explosive properties: Change in condition Evaporation rate Information with regard to physical hazard classes Explosives Flammable gases Aerosols Oxidising gases Gases under pressure Flammable liquids Flammable solids Self-reactive substances and mixtures Pyrophoric liquids	Solid Granulate Product is not selfigniting. Not determined. Not applicable. Void Void Void Void Void Void Void Void	
9.2 Other information Appearance: · Form: Important information on protection of health and environm and on safety. · Ignition temperature: · Explosive properties: Change in condition · Evaporation rate Information with regard to physical hazard classes · Explosives · Flammable gases · Aerosols · Oxidising gases · Gases under pressure · Flammable liquids · Flammable solids · Self-reactive substances and mixtures · Pyrophoric solids · Self-heating substances and mixtures	Solid Granulate Product is not selfigniting. Not determined. Not applicable. Void Void Void Void Void Void Void Void	
9.2 Other information Appearance: Form: Important information on protection of health and environm and on safety. Ignition temperature: Explosive properties: Change in condition Evaporation rate Information with regard to physical hazard classes Explosives Flammable gases Aerosols Oxidising gases Gases under pressure Flammable liquids Flammable solids Self-reactive substances and mixtures Pyrophoric liquids Self-heating substances and mixtures Substances and mixtures, which emit flammable gases in	Solid Granulate         Product is not selfigniting. Not determined.         Not applicable.         Void Void Void Void Void Void Void Void	
9.2 Other information Appearance: Form: Important information on protection of health and environm and on safety. Ignition temperature: Explosive properties: Change in condition Evaporation rate Information with regard to physical hazard classes Explosives Flammable gases Aerosols Oxidising gases Gases under pressure Flammable liquids Flammable solids Self-reactive substances and mixtures Pyrophoric liquids Self-heating substances and mixtures Substances and mixtures, which emit flammable gases in contact with water	Solid Granulate         Product is not selfigniting. Not determined.         Not applicable.         Void Void Void Void Void Void Void Void	
<ul> <li>9.2 Other information</li> <li>Appearance: <ul> <li>Form:</li> </ul> </li> <li>Important information on protection of health and environm and on safety.</li> <li>Ignition temperature: <ul> <li>Explosive properties:</li> <li>Change in condition</li> <li>Evaporation rate</li> </ul> </li> <li>Information with regard to physical hazard classes</li> <li>Explosives</li> <li>Flammable gases</li> <li>Aerosols</li> <li>Oxidising gases</li> <li>Gases under pressure</li> <li>Flammable liquids</li> <li>Flammable solids</li> <li>Self-reactive substances and mixtures</li> <li>Pyrophoric solids</li> <li>Self-heating substances and mixtures</li> <li>Substances and mixtures, which emit flammable gases in contact with water</li> <li>Oxidising liquids</li> </ul>	Solid Granulate         Product is not selfigniting. Not determined.         Not applicable.         Void Void Void Void Void Void Void Void	
<ul> <li>9.2 Other information</li> <li>Appearance: <ul> <li>Form:</li> </ul> </li> <li>Important information on protection of health and environm and on safety.</li> <li>Ignition temperature: <ul> <li>Explosive properties:</li> <li>Change in condition</li> <li>Evaporation rate</li> </ul> </li> <li>Information with regard to physical hazard classes</li> <li>Explosives</li> <li>Flammable gases</li> <li>Aerosols</li> <li>Oxidising gases</li> <li>Gases under pressure</li> <li>Flammable liquids</li> <li>Flammable solids</li> <li>Self-reactive substances and mixtures</li> <li>Pyrophoric liquids</li> <li>Self-heating substances and mixtures</li> <li>Substances and mixtures</li> <li>Substances and mixtures</li> <li>Oxidising liquids</li> <li>Oxidising liquids</li> <li>Oxidising liquids</li> </ul>	Solid Granulate         Product is not selfigniting. Not determined.         Not applicable.         Void Void Void Void Void Void Void Void	
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9.2 Other information Appearance: Form: Important information on protection of health and environm and on safety. Ignition temperature: Explosive properties: Change in condition Evaporation rate Information with regard to physical hazard classes Explosives Flammable gases Aerosols Oxidising gases Gases under pressure Flammable liquids Flammable solids Self-reactive substances and mixtures Pyrophoric liquids Self-heating substances and mixtures Substances and mixtures Substances and mixtures Substances and mixtures Substances and mixtures Substances and mixtures Coxidising solids Oxidising solids Oxidising solids Oxidising solids Desensitised explosives	Solid Granulate         Product is not selfigniting. Not determined.         Not applicable.         Void Void Void Void Void Void Void Void	
9.2 Other information Appearance: Form: Important information on protection of health and environm and on safety. Ignition temperature: Explosive properties: Change in condition Evaporation rate Information with regard to physical hazard classes Explosives Flammable gases Aerosols Oxidising gases Gases under pressure Flammable liquids Flammable solids Self-reactive substances and mixtures Pyrophoric liquids Self-heating substances and mixtures Substances and mixtures Substances and mixtures Substances and mixtures Oxidising liquids Oxidising solids Oxidising solids Oxidising solids Oxidising solids Oxidising solids Oxidising solids	Solid Granulate         Product is not selfigniting. Not determined.         Not applicable.         Void         Void	

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

· 10.1 Reactivity

No further relevant information available.



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· 10.2 Chemical stability	(Contd. of page 4)
<ul> <li>Thermal decomposition / conditions to be avoided:</li> </ul>	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.
· 10.3 Possibility of hazardous	
reactions	Self-accelerating decomposition at SADT.
<ul> <li>10.4 Conditions to avoid</li> </ul>	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**

· Acute to		ses as defined in Regulation (EC) No 1272/2008 Based on available data, the classification criteria are not met.	
· LD/LC	50 values relevant for cl	assification:	
25155-25	5-3 [1,3 (or 1,4)-phenyler	nebis(1-methylethylidene)]bis[tert-butyl] peroxide	
Oral	LD50 >5.000 mg/kg (ratte	us)	
Dermal	LD50 >2.000 mg/kg (ratte	us)	
· Skin co	rrosion/irritation	Based on available data, the classification criteria are not met.	
	eye damage/irritation	Based on available data, the classification criteria are not met.	
· Respira	tory or skin		
sensitis	ation	Based on available data, the classification criteria are not met.	
· Germ c	ell mutagenicity	Based on available data, the classification criteria are not met.	
· Carcino	ogenicity	Based on available data, the classification criteria are not met.	
· Reprod	uctive toxicity	Based on available data, the classification criteria are not met.	
· STOT-s	ingle exposure	Based on available data, the classification criteria are not met.	
· STOT-re	epeated exposure	Based on available data, the classification criteria are not met.	
· Aspirati	ion hazard	Based on available data, the classification criteria are not met.	
11.2 Information on other hazards			
<ul> <li>Endocrine disrupting properties</li> </ul>		IS	
None of the ingredients is listed.			

#### **SECTION 12: Ecological information**

-		
12.1 Toxicity		
· Aquatic toxicity:		
25155-25-3 [1,3 (or 1,4)-phe	nylenebis(1-methylethylidene)]bis[tert-butyl] peroxide	
LC50 / 96h 750 mg/l (fish)		
12.2 Persistence and degra	dability	
· Degree of elimination:		
· Classification:		
25155-25-3 [1,3 (or 1,4)-phe	nylenebis(1-methylethylidene)]bis[tert-butyl] peroxide	
Degradation (Not readily bio	degradable) (OECD 301 D)	
12.3 Bioaccumulative poter	ntial	
· Partition coefficient: nOct	anol/water: [Log Kow]	
25155-25-3 [1,3 (or 1,4)-phe	nylenebis(1-methylethylidene)]bis[tert-butyl] peroxide	7,3 (20°C)
Bioconcentration factor (B	CF)	
25155-25-3 [1,3 (or 1,4)-phe	nylenebis(1-methylethylidene)]bis[tert-butyl] peroxide	
BCF 1.820		
12.4 Mobility in soil	No further relevant information available.	
12.5 Results of PBT and vP	vB assessment	
• <b>PBT:</b> 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 crite	ria according to REACH, annex XIII. (Contd. on page 6

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· 12.6 Endocrine disrupting	(Contd. of page 5)
properties	The product does not contain substances with endocrine disrupting properties.
12.7 Other adverse effects	No further relevant information available.
<ul> <li>Additional ecological informa</li> </ul>	tion:
· General notes:	Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

#### **SECTION 13: Disposal considerations**

• •	13.1	Waste	treatment	methods
·	Rec	omme	ndation	

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· Waste disposal key:

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

· Uncleaned packaging: · Recommendation:

**SECTION 14: Transport information** · 14.1 UN number or ID number · ADR, IMDG, IATA Void · 14.2 UN proper shipping name ADR, IMDG, IATA Void · 14.3 Transport hazard class(es) · ADR, IMDG, IATA Class Void · 14.4 Packing group · ADR, IMDG, IATA Void · 14.5 Environmental hazards: Not applicable. · 14.6 Special precautions for user Not applicable. · 14.7 Maritime transport in bulk according to IMO instruments Not applicable. · Transport/Additional information: Not subject to the requirement for Class 5.2. (exempt)

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

#### **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.

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex Ш

None of the ingredients is listed.

· REGULATION (EU) 2019/1148

Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

· Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

· Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

· Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

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#### **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. H413 May cause long lasting harmful effects to aquatic life.
· Department issuing SDS: · Contact:	Environment protection / Security of labour Tel: +49 2871 9902-0 E-mail: mail@pergan.com
<ul> <li>Version number of previous version:</li> </ul>	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 Air Transport Association GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: 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 Level (REACH) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent DBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative Org. Perox. C: Organic peroxides – Type C/D Org. Perox. C: Organic peroxides – Type G Aquatic Chronic 4: Hazardous to the aquatic environment - long-term aquatic hazard – Category 4
* Data compared to the previous version altered.	