

Printing date 02.04.2024

Version: 11 (replaces version 10)

Revision: 20.12.2022

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

· 1.1 Product identifier

PEROXAN BIB-40 P

 Trade name: 1.2 Relevant identified uses of th Application of the substance / the mixture 1.3 Details of the supplier of the 	PEROXAN BIB-40 P ne substance or mixture and uses advised against No further relevant information available. Reaction initiator For industrial use
• 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: 1.4 Emergency telephone number: 	Environment protection / Security of labour Qualified person: E-mail: msds@pergan.com - Tel: +49 2871 9902-0

SECTION 2: Hazards identified	cation	
 2.1 Classification of the substance or mixture Classification according to Regulation (EC) No 1272/2008 Flam. Sol. 1 H228 Flammable solid. Org. Perox. G Aquatic Chronic 4 H413 May cause long lasting harmful effects to aquatic life. 		
2.2 Label elements Labelling according to Regulation (EC) No 1272/2008 Hazard pictograms	008 The product is classified and labelled according to the CLP regulation.	
· Signal word	Danger	
 Hazard-determining components of labelling: Hazard statements Precautionary statements 	 [1,3 (or 1,4)-phenylenebis(1-methylethylidene)]bis[tert-butyl] peroxide H228 Flammable solid. H413 May cause long lasting harmful effects to aquatic life. P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P240 Ground and bond container and receiving equipment. P241 Use explosion-proof [electrical/ventilating/lighting] equipment. P273 Avoid release to the environment. P280 Wear eye protection / face protection. P370+P378 In case of fire: Use CO2, powder or water spray to extinguish. P501 Dispose of contents/container in accordance with local/regional/national/international regulations. 	
 2.3 Other hazards Results of PBT and vPvB asses PBT: vPvB: Determination of endocrine- 	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.	
disrupting properties	The product does not contain substances with endocrine disrupting properties.	

SECTION 3: Composition/information on ingredients

· 3.2 Mixtures		
· Dangerous components:		
CAS: 25155-25-3 EINECS: 246-678-3 Reg-No.: 01-2119495677-17	[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.	МТ

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SECTION 4: First aid measur	es
• 4.1 Description of first aid meas	lires
· General information:	
	Take care of personal protection for the first aider.
· After inhalation:	Take affected persons into fresh air and keep quiet.
After skin contact:	Immediately remove contaminated clothing.
After eye contact:	Rinse opened eye for several minutes under running water.
 After swallowing: 4.2 Most important symptoms 	If symptoms persist consult doctor.
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	
 Suitable extinguishing agents: 5.2 Special hazards arising from 	CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
the substance or mixture	under certain fire conditions, traces of other toxic gases cannot be excluded.
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	50 M035Ur05
	Se measures
6.1 Personal precautions, protective equipment and	
emergency procedures	In case of further temperature should be cooled with waterspray from a safe distance.
	Wear breathing apparatus with filter A during decomposition of materials.
	Wear protective equipment. Keep unprotected persons away.
6.2 Environmental precautions:	Inform respective authorities in case of seepage into water course or sewage system.
	Do not allow to enter sewers/ surface or ground water.
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 1 Potoronce to other costient	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 sto	orage
7.1 Precautions for safe	
handling	Open and handle receptacle with care.
	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 	

Protect from heat. Prevent impact and friction. Dust can combine with air to form an explosive mixture. Substance/product is oxidising when dry.



explosion protection:

Avoid open flames, sparks, direct sunlight and other sources of ignition.

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



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	(Contd. of page 2)
· 7.2 Conditions for safe	storage, including any incompatibilities
· Storage:	Pay attention to the special requirements of your local autorithies for storing dangerous goods.
 Requirements to be m storerooms and recept 	
storerooms and recep	Prevent any seepage into the ground. Use only receptacles specifically permitted for this substance/product.
· Information about sto	
one common storage • Further information al	facility: Store away from foodstuffs, drinks and feeding stuffs.
storage conditions:	Protect from heat and direct sunlight. Protect from contamination.
· Recommended stora	
temperature (To mair	
quality): · Storage class:	max.: +30 °C 5.2
• 7.3 Specific end use(s)	No further relevant information available.
SECTION 8: Exposur	e controls/personal protection
8.1 Control parameters	
 Ingredients with limit v that require monitoring 	
workplace:	The product does not contain any relevant quantities of materials with critical values that have to be
5.1.51	monitored at the workplace.
· DNELs	nhanulanahia/1 mathulathulidana)]hia[tart hutul] naravida
	phenylenebis(1-methylethylidene)]bis[tert-butyl] peroxide m System 28 mg/kg bw/day (Worker)
	m System 19,7 mg/m3 (Worker)
· PNECs	, , , , , , , , , , , , , , , , , , ,
-	phenylenebis(1-methylethylidene)]bis[tert-butyl] peroxide
	0,892 mg/kg sed dw (AF 1.000)
	8,9 mg/kg sed dw (AF 100)
	100 mg/l (AF 10)
 Additional information 	The lists valid during the making were used as basis.
8.2 Exposure controls	
 Appropriate engineerir controls 	9 No further data; see section 7.
 Individual protection n 	neasures, such as personal protective equipment
General protective an	
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.
 Respiratory protection 	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
	Protective gloves
· Material of gloves	The selective 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
	(Contd. on page 4)

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The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be



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Trade name: PEROXAN BIB-40 P

· Penetration time of glove material

· Eye/face protection

Tightly sealed goggles

· Body protection:



Protective work clothing

SECTION 9: Physical and chemical properties

• 9.1 Information on basic physical and chemical properties - General Information Odour: - Odour: - Odour: - Odour threshold: - Mathing point freezing point: - Mathing point or initial boiling point and boiling range - Biain point or initial boiling not and boiling range - Not applicable. - Boiling point or initial boiling point and boiling range - Not applicable. - Dever - Lower: - Lower: - Lower: - Lower: - Lower: - Not dependent - Lower: - Not applicable. - Not applicab		
Colour:WhitshOdour:CharacteristicOdour: threshold:Not determined.Meiting point or initial boiling point:Not applicable.Boiling point or initial boiling nameNot applicable.HammabilityMay arease fire.Lower:Not determined Upper:Not determined Upper:Not determined Upper:Not determined Upper:Not determined Ucour:Hold Construction- ProductionNot applicable Ucour:Not applicable Ucour:Not applicable Ucour:Undetermined Upper:Not applicable Upper:Undetermined Water:Undetermined Upper:Not applicable Upper:Not applicable Water:Not applicable Water:Not applicable Water:Not applicable Partition coefficient n-octanol/water (log value)not determined Water:Not applicable Particle characteristicsNot applicable Particle characteristicsNot duter relevant information available Appearance:Solid- Particle characteristicsNot duter relevant information available Appearance:Not duter relevant information available Appearance:Not duter relevant information available Appearance:Not duter relevant information available Charage in conditionNot applicable Information rate <th></th> <th></th>		
OdourCharacteristicOdour treshold:Net determined.Mething point/freezing point:Not applicable.Builing point or initial boiling rangeNot applicable.FlammabilityMay cause fire.I Lower and upper explosion limitNot determined.· Upper:Not determined.· Upper:Not determined.· Bash point:Not applicable.· Becomposition temperature:+80 °C (SADT)· PHNot applicable.· Viscosity:.· Viscosity:.· Witematic viscosityNot applicable.· Solubility.· Vapour pressure:.· Vapour pressure:.· Density and/or relative density.· Partice characteristics.· Vapour pressure:.· Partice characteristics.· Solubing.· Partice characteristics.· Solubing at 20 °C:.· Partice characteristics.· Partice characteristics.· Partice characteristics.· Partice characteristics.· Important information on protection of health and environment, and on safely· Information rate.· Partice characteristics.· Information rate.· Partice characteristics.· Information rate.· Information rate.· Information rate.· Information rate.· Information rate.· In		
Odour threshold:Not determined.Beiling point or initial boiling point and boiling rangeNot applicable.Boiling point or initial boiling point and boiling rangeNot applicable.Lower:Not applicable.Lower:Not determined.Upper:Not determined.Upper:Not determined.Plash point:Not applicable.Decomposition temperature:+80 °C (SADT)PHNot applicable.Viscosity:Not applicable.Viscosity:Not applicable.Opymanic:Not applicable.SolubilityUndetermined.Viscosity:Undetermined.Partition coefficient n-octanol/water (log value)not determined.Vapour pressure:Not applicable.Opensity at 20 °C:480 Kg/m²Vapour densityNot applicable.Vapour densityNot determined.Vapour densityNot determined.Vapour densityNot applicable.Vapour densityNot determined.Vapour den		
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· Upper:Not determined.· Flash point:Not applicable.· Pecomposition temporature:+90 °C (SADT)· PHNot applicable.· Witcosity:Not applicable.· Kinematic viscosityNot applicable.· Solubility		·····
- Fiais point: Not applicable. - Decomposition temperature: +0 C (SADT) - PH Not applicable. - Viscosity: - - Kinematic viscosity Not applicable. - Dynamic: Not applicable. - Solubility - - water. Undetermined. - Water. Undetermined. - Partition coefficient n-octanol/water (log value) not determined. - Vapour density at 20 °C: 1.5 g/cm³ - Relative density Not determined. - Wapour density at 20 °C: 480 kg/m² - Vapour density Not further relevant information available. - Appearance: - - Form: Powder - Inportant information on protection of health and environment, and on safety. Not applicable. - Inportant information on protection of health and environment. - <td< th=""><th></th><th></th></td<>		
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PH Not applicable. 'Viscosity: Not applicable. 'Oynamic: Not applicable. 'Solubility Undetermined. 'water: Undetermined. 'Partition coefficient n-octanol/water (log value) not determined. 'Partition coefficient n-octanol/water (log value) Not applicable. 'Partitice density Not determined. 'Build density at 20 "C: 450 kg/m³ 'Vapour density Not determined. 'Particle characteristics Solid 'Partition to protection of health and environment, and on safety. Product is not selfigniting. 'Inportant information on protection of health and environment, activate properties: Not applicable. 'Inportant information with regard to physical hazard classes Void 'Explosive properties: Void determined. 'Information with regard to physical hazard classes Void <th></th> <th></th>		
• Viscosity: Not applicable. • Kinematic viscosity Not applicable. • Solubility Undetermined. • Partition coefficient n-octanolwater (log value) not determined. • Vapour pressure: Not applicable. • Density and/or relative density Not applicable. • Density at 20 °C: 1.5 g/cm ³ • Buik density at 20 °C: 480 kg/m ³ • Buik density at 20 °C: 480 kg/m ³ • Buik density at 20 °C: 480 kg/m ³ • Buik density at 20 °C: 480 kg/m ³ • Buik density at 20 °C: 480 kg/m ³ • Particle characteristics Not applicable. • Particle characteristics Solid • Particle theracteristics Solid • Appearance: Solid • Form: Solid • Information on protection of health and environment, and on safety. • Ignition temperature: Product is not selfigniting. • Explosive properties: Not determined. • Change in condition Value • Explosives Void • Fammable gases Void <		
· Kinematic viscosity Not applicable. · Dynamic: Not applicable. · Solubility Undetermined. · water: Undetermined. · Partition coefficient n-octanol/water (log value) not determined. · Density and/or relative density Undetermined. · Density and 20 °C: 1.5 g/cm³ · Relative density Not determined. · Buik density at 20 °C: 480 kg/m³ · Vapour density Not determined. · Buik density at 20 °C: 480 kg/m³ · Vapour density Not determined. · Vapour density Solid · Particle characteristics Solid · South information Powder · Important information on protection of health and environment, and on safety. Product is not selfigniting. · Information rate Not applicable. · Explosive properties: Void · Change in condition Void · Explosive gases Void · Karcensity Void · Flammable gases Void · Mortapplicable: Void · Flammable solids Void	•	Not applicable.
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• water: * Undetermined. • Partition coefficient n-octanol/water (log value) not determined • Vapour pressure: Not applicable. • Density at 20 °C: 1.5 g/cm³ • Relative density Not determined. • Buik density at 20 °C: 480/kg/m³ • Vapour density Not determined. • Buik density at 20 °C: 480/kg/m³ • Particle characteristics Not applicable. • Particle characteristics Not further relevant information available. • Appearance: Solid • Form: Solid • Powder Powder • Important information on protection of health and environment, and on safety. Powder • Information on protection of health and environment, and on safety. Not determined. • Explosive properties: Product is not selfigniting. • Explosive properties: Void • Information with regard to physical hazard classes Void • Fammable gases Void • Aerosols Void • Classe under pressure Void • Relative substances and mixtures Void • Flammable solids Void • Self-reactive substances and mixtures Void • Self-reactive substances and mixtures, which emit flammable gases in contact with water		Not applicable.
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· Vapour density Not applicable. · Particle characteristics See section 3. · 9.2 Other information No further relevant information available. · Appearance: Solid · Form: Solid · Powder Powder Important information on protection of health and environment, and on safety. Product is not selfigniting. · Ignition temperature: Not applicable. · Stappearance: Void determined. · Information with regard to physical hazard classes Void · Explosives Void · Flammable gases Void · Gases under pressure Void · Flammable liquids Void · Flammable solids Flammable solid. · Self-reactive substances and mixtures Void · Self-reacting substances and mixtures Void · Substances and mixtures, which emit flammable gases in contact with water Void · Substances and mixtures, which emit flammable gases in contact with water Void · Substances and mixtures Void · Substances and mixtures Void · Substances and mixtures Void · Substances		
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See section 3. • 9.2 Other information No further relevant information available. • Appearance: Solid • Form: Solid • Form: Solid o safety. Powder • Important information on protection of health and environment, and on safety. Product is not selfigniting. • Explosive properties: No t determined. • Change in condition Imformation with regard to physical hazard classes • Explosives Void • Planimable gases Void • Aerosols Void • Chammable liquids Void • Flammable liquids Void • Self-reactive substances and mixtures Void • Self-reactive substances and mixtures Void • Systances and mixtures, which emit flammable gases in Void • Substances and mixtures, which emit flammable gases in Void • Oxidising liquids Void • Substances and mixtures, which emit flammable gases in Void • Oxidising liquids Void • Oxidising liquids Void		Not applicable.
9.2 Other information No further relevant information available. Appearance: Solid • Form: Solid Powder Powder Important information on protection of health and environment, and on safety. Product is not selfigniting. • Ignition temperature: Product is not selfigniting. • Laposive properties: Not determined. • Change in condition Explosive properties: • Explosives Not applicable. • Information with regard to physical hazard classes Void • Flammable gases Void • Flammable gases Void • Gases under pressure Void • Flammable gases Void • Flammable gases Void • Flammable solids Flammable solids • Flammable solids Flammable solid. • Self-reactive substances and mixtures Void • Pyrophoric solids Void • Pyrophoric solids Void • Substances and mixtures, which emit flammable gases in contact with water Void • Oxidising liquids Void • Oxidising solids Void	· Particle characteristics	
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Printing date 02.04.2024

Version: 11 (replaces version 10)

The Peroxide Company

Revision: 20.12.2022

Trade name: PEROXAN BIB-40 P

	(Contd. of page 4)
· Organic peroxides	Void
Corrosive to metals	Void
· Desensitised explosives	Void
SECTION 10: Stability and re	eactivity
 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.
10.3 Possibility of hazardous	
reactions	Self-accelerating decomposition at SADT.
 10.4 Conditions to avoid 	No further relevant information available.
 10.5 Incompatible materials: 	Rapid decomposition by dirt, rust, chemicals in particular concentrated acids, alkalis and accelerators (e. g. heavy-metal compounds and amines).
· 10.6 Hazardous decomposition	
products:	Hydrocarbons, carbondioxide and -monoxid. No hazardous decomposition products if used and stored according to specifications.
· Additional information:	Emergency procedures will vary depending on conditions. The customer should have an emergency response plane in place.

SECTION 11: Toxicological information

· 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

• Acute toxicity Based on available data, the classification criteria are not met.		
· LD/LC50 values relevant for classification:		
25155-25-3 [1,3 (or 1,4)-phenyler	nebis(1-methylethylidene)]bis[tert-butyl] peroxide	
Oral LD50 >5.000 mg/kg (rattu	us)	
Dermal LD50 >2.000 mg/kg (rattu	us)	
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 	• 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 hazards		
· Endocrine disrupting properties		
None of the ingredients is listed.		

SECTION 12: Ecological information

12.1 Toxicity
· Aquatic toxicity:
25155-25-3 [1,3 (or 1,4)-phenylenebis(1-methylethylidene)]bis[tert-butyl] peroxide
LC50 / 96h 750 mg/l (fish)
12.2 Persistence and degradability Degree of elimination:
· Classification:
25155-25-3 [1,3 (or 1,4)-phenylenebis(1-methylethylidene)]bis[tert-butyl] peroxide
Degradation (Not readily biodegradable) (OECD 301 D)
 (Contd. on page 6)
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Printing date 02.04.2024

Version: 11 (replaces version 10)



Revision: 20.12.2022

Trade name: PEROXAN BIB-40 P

• Partition coefficient: nOctar	nol/water: [Log Kow]
	lenebis(1-methylethylidene)]bis[tert-butyl] peroxide 7,3 (20°C
Bioconcentration factor (BC	F)
25155-25-3 [1,3 (or 1,4)-pheny	/ /lenebis(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 vPvE	3 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.
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 inform	ation:
· 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 co	nsiderations
13.1 Waste treatment method	s Must not be disposed together with household garbage. Do not allow product to reach sewage



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

· Waste disposal key:

· Uncleaned packaging:

· Recommendation:

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

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	UN1325
14.2 UN proper shipping name · ADR	UN1325 FLAMMABLE SOLID, ORGANIC, N.O.S. (DI-(tert- BUTYLPEROXYISOPROPYL)-BENZENE(S))
· IMDG, IATA	FLAMMABLE SOLID, ORGANIC, N.O.S. (DI-(tert- BUTYLPEROXYISOPROPYL)-BENZENE(S))
14.3 Transport hazard class(es)	
ADR	
Class	4.1 (F1) Flammable solids, self-reactive substances, polymerizing substances and solid desensitized explosives
·Label	4.1
· IMDG, IATA	
₩	
Class	4.1 Flammable solids, self-reactive substances, polymerizing substance and solid desensitized explosives
· Label	4.1
14.4 Packing group · ADR, IMDG, IATA	II
· 14.5 Environmental hazards:	Not applicable.
14.6 Special precautions for user	Warning: Flammable solids, self-reactive substances, polymerizing substances and solid desensitized explosives
EMS Number:	F-A,S-G
· Stowage Category	В

Printing date 02.04.2024

Version: 11 (replaces version 10)

PERGAN The Peroxide Company

Revision: 20.12.2022

Trade name: PEROXAN BIB-40 P

	(Contd. of page
14.7 Maritime transport in bulk according to IMC) instruments Not applicable.
· Transport/Additional information:	
· ADR	
· Limited quantities (LQ)	1 kg
Excepted quantities (EQ)	Code: E2
,	Maximum net quantity per inner packaging: 30 g
	Maximum net quantity per outer packaging: 500 g
· Transport category	2
Tunnel restriction code	E
· IMDG	
· Limited quantities (LQ)	1 kg
Excepted quantities (EQ)	Code: E2
,	Maximum net quantity per inner packaging: 30 g
	Maximum net quantity per outer packaging: 500 g

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 II

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.

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: 	Environment protection / Security of labour
· Contact:	Tel: +49 2871 9902-0
	E-mail: mail@pergan.com
 Version number of previous 	
version:	10
· 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
	Eliness European Inventory of Example Commercial 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
	Flam. Sol. 1: Flammable solids – Category 1
	Org. Perox. D: Organic peroxides – Type C/D
	Org. Perox. G: 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. 	