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

· 1.1 Product identifier

PEROXAN BP-Pulver 30 W

Trade name: PERUXAN BP-PUIVER			
· 1.2 Relevant identified uses of the substance or mixture and uses advised ag	jainst		
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			

SECTION 2: Hazards identification

· 2.2 Label elements

Eye Irrit. 2 H319 Causes serious eye irritation.

Skin Sens. 1 H317 May cause an allergic skin reaction.

 Labelling according to Regulation (EC) No 1272/2008 Hazard pictograms 	The product is clas	sified and labelled according to the GB CLP regulation.
· Signal word	Warning	
 Hazard-determining components of labelling: Hazard statements 	dibenzoyl peroxide H319 Causes seric H317 May cause a	
 Precautionary statements 	P264 P272 P273 P280	Avoid breathing dust. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
	P305+P351+P338 P362+P364 P333+P313 P337+P313 P501	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Dispose of contents/container in accordance with local/regional/national/international regulations.
• Additional information: • 2.3 Other hazards	Restricted to profe	5
 Results of PBT and vPvB asses PBT: 		the mixture do not meet the PBT/vPvB criteria according to UK REACH, annex XIII.
· vPvB:	The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH, annex XIII.	

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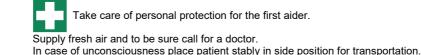
SECTION 3: Composition/information on ingredients

· 3.2 Mixtures

•=		
· Dangerous components:		
CAS: 84-61-7 EINECS: 201-545-9 Index number: 607-719-00-4 Reg-No.: 01-2119978223-34		25-30%
CAS: 94-36-0 EINECS: 202-327-6 Index number: 617-008-00-0 Reg-No.: 01-2119511472-50		25-30%
SVHC		
84-61-7 dicyclohexyl phthala	te	
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.

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· After inhalation:

· After skin contact:

· After eye contact:

After swallowing:

· 4.2 Most important symptoms and effects, both acute and delaved

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available

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.

SECTION 5: Firefighting measures

5.1 Extinguishing media

· Protective equipment:

Additional information

• Suitable extinguishing agents: CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam. • 5.2 Special hazards arising from the substance or mixture Under certain fire conditions, traces of other toxic gases cannot be excluded. 5.3 Advice for firefighters

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

SECTION 6: Accidental release 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.
0.1	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.

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

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In case of large spillage the environmental authority should be informed. **SECTION 7: Handling and storage** · 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. heavymetal 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. 0 · 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 met by storerooms and receptacles: Store only in the original receptacle. Prevent any seepage into the ground. Use only receptacles specifically permitted for this substance/product. · Information about storage in one common storage facility: Store away from foodstuffs, drinks and feeding stuffs. Further information about storage conditions: Keep container tightly sealed. Protect from heat and direct sunlight. Protect from contamination. · Recommended storage temperature (To maintain quality): max.: +30 °C Storage class: 5.2 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

· 8.1 Contro	ol parameters	5	
· Ingredier	nts with limit	values that	t require monitoring at the workplace:
84-61-7 di	icyclohexyl pl	hthalate	
WEL (Gre	at Britain) Lor	ng-term valu	Je: 5 mg/m³
94-36-0 di	ibenzoyl pero	xide	
WEL (Gre	at Britain) Lor	ng-term valu	le: 5 mg/m³
·DNELs			
84-61-7 di	icyclohexyl pl	hthalate	
Dermal	DNEL Longte	erm System	0.5 mg/kg bw/day (Worker)
Inhalative	DNEL Longte	erm System	35.2 mg/m3 (Worker)
94-36-0 di	ibenzoyl pero	xide	1
Oral	DNEL Longte	erm System	2 mg/kg bw/day (General population)
Dermal	DNEL Longte	erm System	13.3 mg/kg bw/day (Worker)
Inhalative	DNEL Longte	erm System	39 mg/m3 (Worker)
· PNECs			
84-61-7 di	icyclohexyl pl	hthalate	
PNEC Ma	rinewater sed	0.106 mg/k	رg sed dw
PNEC Fre	shwater	0.004 mg/l	(AF 50)
PNEC Fre	shwater sed	1.06 mg/kg	j sed dw
PNEC Soi	I	0.21 mg/kg	j soil dw
PNEC ST	Р	10 mg/l (AF	F 10)
PNEC Ma	rinewater	0 mg/l (AF	500)
			(Contd. on page

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94-36-0 dibenzoyl perc	(Contd. of page		
PNEC Marinewater sed			
PNEC Freshwater			
	0.00002 mg/l (AF 50)		
PNEC Freshwater sed	0.013 mg/kg sed dw		
PNEC STP	0.35 mg/l		
PNEC Marinewater	0.000002 mg/l (AF 500)		
• Additional information	on: The lists valid during the making were used as basis.		
8.2 Exposure controls	5		
Appropriate engineer	ring		
controls	No further data; see section 7.		
	measures, such as personal protective equipment		
General protective a			
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.		
	Avoid close or long term contact with the skin.		
	Avoid contact with the eyes and skin.		
	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			
	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 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			
material	The exact break trough time has to be found out by the manufacturer of the protective gloves and has to		
	observed.		
 Eye/face protection 			
	Tightly sealed goggles		
· Body protection:			
	Protective work clothing		
	$\mathbf{\Psi}$		
SECTION 9: Physica	al and chemical properties		
0.4 Information on how	ais advariant and advariant memories		
9.1 Information on bas • General Information	sic physical and chemical properties		
· Colour:	Whitish		
· Odour:	Characteristic		
Odour threshold:	Not determined.		
· Melting point/freezin			
	al boiling point and boiling range Not applicable.		
· Flammability	May cause fire.		
Lower and upper exp	•		
· Lower:	Not determined.		
· Unnor:	Not determined		

Not determined.

Not applicable. +60 °C (SADT) Not applicable.

- · Lower:
- · Upper:
- Flash point:
- Decomposition temperature: · pH

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· Viscosity:		
Kinematic viscosity	Not applicable.	
· Dynamic:	Not applicable.	
Solubility		
water:	Undetermined.	
 Partition coefficient n-octanol/water (log value) 	not determined	
Vapour pressure:	Not applicable.	
Density and/or relative density		
Density:	Not determined.	
Relative density	Not determined.	
 Bulk density at 20 °C: 	780 kg/m³	
Vapour density	Not applicable.	
9.2 Other information	No further relevant information available.	
· Appearance:		
· Form:	Powder	
Important information on protection of health and environme	ent,	
and on safety.	Desclust is not collimities	
Ignition temperature:	Product is not selfigniting.	
Explosive properties:	Not determined.	
Change in condition	Natawijashla	
· Evaporation rate	Not applicable.	
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	
Self-reactive substances and mixtures	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	Void	
Corrosive to metals	Void	
· Desensitised explosives	Void	

SECTION 10: Stability and reactivity

 10.1 Reactivity 10.2 Chemical stability Thermal decomposition / 	No further relevant information available.	
conditions to be avoided:	SADT (Self Accelerating Decomposition Temperature) is the lowest temperature at which self acceler 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.	0
· 10.3 Possibility of hazardous	No decomposition if used and stored according to specifications.	
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 heavy-metal compounds and amines).	; (e. g.
· 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.	
		— GB —

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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 cla	assification:	
84-61-7 dicyclohexyl phthalate		
Oral LD50 >2,000 mg/kg (rattus)		
94-36-0 dibenzoyl peroxide		
Oral LD50 >5,000 mg/kg (rattus)		
Skin corrosion/irritation	Based on available data, the classification criteria are not met.	
· Serious eye damage/irritation	Causes serious eye irritation.	
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 hazard	ds	
 Endocrine disrupting properties 	S	
84-61-7 dicyclohexyl phthalate		List I; II

SECTION 12: Ecological information

12.1 Toxicity · Aquatic toxicity: 94-36-0 dibenzoyl peroxide EC50 / 72h 0.0711 mg/l (pseudokirchneriella subcapitata) LC50 / 96h 0.0602 mg/l (oncorhynchus mykiss) EC50 / 48h 110 mg/l (daphnia) 12.2 Persistence and degradability · Degree of elimination: · Classification: 84-61-7 dicyclohexyl phthalate Degradation (Readily biodegradable) 94-36-0 dibenzoyl peroxide Degradation (Readily biodegradable) (OECD 301 D) 12.3 Bioaccumulative potential · Partition coefficient: nOctanol/water: [Log Kow] 84-61-7 dicyclohexyl phthalate 4,82 (25 °C) 94-36-0 dibenzoyl peroxide 3,2 (20 °C) · Bioconcentration factor (BCF) 84-61-7 dicyclohexyl phthalate BCF 85 12.4 Mobility in soil No further relevant information available. 12.5 Results of PBT and vPvB assessment The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH, annex XIII. · PBT: The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH, annex XIII. · vPvB: 12.6 Endocrine disrupting For information on endocrine disrupting properties see section 11. properties No further relevant information available. 12.7 Other adverse effects · Remark: Very toxic for fish Additional ecological information: Also poisonous for fish and plankton in water bodies. · General notes: Very toxic for aquatic organisms Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water Do not allow product to reach ground water, water course or sewage system. Danger to drinking water if even small quantities leak into the ground.

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SECTION 13: Disposal considerations

• 13.1 Waste treatment methods • Recommendation

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:

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 	UN3077
· 14.2 UN proper shipping name · ADR	UN3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (DIBENZOYL PEROXIDE)
· IMDG · IATA	ENVIRÒNMENTALLY HAZARDÓUS SUBSTANCE, SOLID, N.O.S. (DIBENZOYL PEROXIDE), MARINE POLLUTANT ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
	(DIBENZOYL PEROXIDE)
· 14.3 Transport hazard class(es)	
· Class · Label	9 (M7) Miscellaneous dangerous substances and articles. 9
· IMDG, IATA	
· Class · Label	9 Miscellaneous dangerous substances and articles. 9
· 14.4 Packing group · ADR, IMDG, IATA	III
· 14.5 Environmental hazards:	Product contains environmentally hazardous substances: DIBENZOYL PEROXIDE
· Marine pollutant:	Yes
· Special marking (ADR):	Symbol (fish and tree) Symbol (fish and tree)
· Special marking (IATA):	Symbol (fish and tree)
14.6 Special precautions for user Hazard identification number (Kemler code):	Warning: Miscellaneous dangerous substances and articles. 90
· EMS Number: · Stowage Category	F-A,S-F A
· Stowage Code	SW23 When transported in BK3 bulk container, see 7.6.2.12 and 7.7.3.9.
\cdot 14.7 Maritime transport in bulk according to IMO instru	iments Not applicable.
· Transport/Additional information:	
· ADR	
Limited quantities (LQ)	5 kg
 Excepted quantities (EQ) 	Code: E1
	Maximum net quantity per inner packaging: 30 g Maximum net quantity per outer packaging: 1000 g
· Transport category	3
• Tunnel restriction code	E
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 Limited quantities (LQ) Excepted quantities (EQ) 	5 kg Code: E1 Maximum net quantity per inner packaging: 30 g Maximum net quantity per outer packaging: 1000 g
SECTION 15: Regulatory information	
I5.1 Safety, health and environmental regulations/le Poisons Act	gislation specific for the substance or mixture
Regulated explosives precursors	
None of the ingredients is listed.	
Regulated poisons	
None of the ingredients is listed.	
Reportable explosives precursors	
None of the ingredients is listed.	
Reportable poisons	
None of the ingredients is listed.	
Qualifying quantity (tonnes) for the application of lower-tier requirements100 tQualifying quantity (tonnes) for the application of upper-tier requirements200 t	ne Aquatic Environment
11	e of certain hazardous substances in electrical and electronic equipment – Anr
None of the ingredients is listed.	
	RS (Upper limit value for the purpose of licensing under Article 5(3))
None of the ingredients is listed.	
Annex II - REPORTABLE EXPLOSIVES PRECURSO)RS
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 precursors	r the monitoring of trade between the Community and third countries in drug
None of the ingredients is listed.	
National regulations:	
Other regulations, limitations and prohibitive regulations Please note:	lations spective local regulations.
Substances of very high concern (SVHC) accordin	
34-61-7 dicyclohexyl phthalate	
Substances of very high concern (SVHC) according	TO REACH. ARTICLE 5/

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	 H241 Heating may cause a fire or explosion. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.
· Department issuing SDS:	Environment protection / Security of labour

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· Contact:	Tel: +49 2871 9902-0
	E-mail: mail@pergan.com
* Data compared to the	 RID: Réglement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail) ICAO: International Civil Aviation Organisation ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods IATA: International Maritime Code for Dangerous Goods IATA: 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 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 concentration, 50 percent PD50: Lethal concentration, Toxic vPvB: very Persistent and very Bioaccumulative Org. Perox. 6: Organic peroxides – Type B Org. Perox. 6: Organic peroxides – Type B Org. Perox. 6: Organic peroxides – Type G Eye Irrit. 2: Serious evel damage/eye irritation – Category 1 Aquatic Acute 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1 Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3
previous version altered.	

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