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

```
· 1.1 Product identifier
```

the mixture

PEROXAN ME-50 LS-PX

· Trade name: 1.2 Relevant identified uses of the substance or mixture and uses advised against No further relevant information available. · Application of the substance /

Reaction initiator For industrial use

 1.3 Details of the supplier of the Manufacturer/Supplier: 	safety data sheet 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: 	Qualified person: E-mail: msds@pergan.com - Tel: +49 2871 9902-0

SECTION 2: Hazards identification

· 2.1 Classification of the substance or mixture

• Classification according to Regulation (EC) No 1272/2008			
Org. Perox. D	H242	Heating may cause a fire.	
Acute Tox. 4	H332	Harmful if inhaled.	
Skin Corr. 1B	H314	Causes severe skin burns and eye damage.	
Eye Dam. 1	H318	Causes serious eye damage.	
Repr. 2	H361d	Suspected of damaging the unborn child.	
Aquatic Chronic 3	H412	Harmful to aquatic life with long lasting effects.	

· 2.2 Lahel elemente

 2.2 Label elements Labelling according to Regulation (EC) No 1272/2008 Hazard pictograms 	The product is clas	sified and labelled according to the CLP regulation.	
	GHS02 GHS05 GH	IS07 GHS08	
· Signal word	Danger		
 Hazard-determining components of labelling: 			
· Hazard statements	H361d Suspected		
· Precautionary statements	P210 P220	Keep away from heat, hot surfaces, sparks, open flames and other ignit smoking. Keep away from dirt, rust, chemicals in particular concentrated acids, al	
	P234	accelerators (e. g. heavy metal compounds and amines).	
		Keep only in original packaging. Wash thoroughly after handling.	
	P280	Wear protective gloves/protective clothing/eye protection/face protection protection.	1/hearing
		IF ON SKIN (or hair): Take off immediately all contaminated clothing. Ri water [or shower].	nse skin with
		IF IN EYES: Rinse cautiously with water for several minutes. Remove c present and easy to do. Continue rinsing.	ontact lenses, if
	P310	Immediately call a POISON CENTER/doctor.	
	P405	Store locked up.	
	P410	Protect from sunlight.	
	P411+P235	Store at temperatures not exceeding +30°C. Keep cool.	
	P420	Store separately.	
		Dispose of contents/container in accordance with local/regional/national regulations.	/international
· Additional information:		Reportable explosives precursors. Making available, introduction, posses ation (EU) 2019/1148, Article 9.	sion and use
		(- / - · · · · · · · · · · · · · · · · ·	(Contd. on page 2)

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· 2.3 Other hazards	(Con	td. of page 1)
· Results of PBT and vPv	B assessment	
· PBT:	The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex X	III.
· vPvB:	The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex X	III.
· Determination of endoc	rine-disrupting properties	
78-93-3 butanone		List II

SECTION 3: Composition/information on ingredients

· 3.2 Mixtures

 Dangerous components: 		
CAS: 6846-50-0 EINECS: 229-934-9 Reg-No.: 01-2119451093-47	1-isopropyl-2,2-dimethyltrimethylene diisobutyrate Repr. 2, H361d; Aquatic Chronic 3, H412	40-50%
CAS: 1338-23-4 EC number: 700-954-4 Reg-No.: 01-2119514691-43	Reaction mass of butane-2,2-diyl dihydroperoxide and di-sec-butylhexaoxidane Org. Perox. D, H242; Skin Corr. 1B, H314; Eye Dam. 1, H318; Acute Tox. 4, H302; Acute Tox. 4, H332	30-40%
CAS: 123-42-2 EINECS: 204-626-7 Index number: 603-016-00-1 Reg-No.: 01-2119473975-21	4-hydroxy-4-methylpentan-2-one Flam. Liq. 3, H226; Repr. 2, H361d; Eye Irrit. 2, H319; STOT SE 3, H335 Specific concentration limit: Eye Irrit. 2; H319: C ≥ 10 %	5-20%
CAS: 78-93-3 EINECS: 201-159-0 Index number: 606-002-00-3 Reg-No.: 01-2119457290-43	butanone Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336, EUH066	1-5%
	hydrogen peroxide solution Ox. Liq. 1, H271; Skin Corr. 1A, H314; Acute Tox. 4, H302; Acute Tox. 4, H332; STOT SE 3, H335; Aquatic Chronic 3, H412 Specific concentration limits: Skin Corr. 1A; H314: C ≥ 70 % Skin Corr. 1B; H314: C ≥ 70 % Skin Corr. 1B; H314: C ≥ 70 % Skin Irrit. 2; H315: 35 % ≤ C < 70 %	1-5%
CAS: 102-82-9 EINECS: 203-058-7 Reg-No.: 01-2119474898-14	tributylamine Acute Tox. 3, H311; Acute Tox. 1, H330; Acute Tox. 4, H302; Skin Irrit. 2, H315	0,1-1%
· 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:	Immediately remove any clothing soiled by the product.		
	Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48		
	hours after the accident.		
	Take care of personal protection for the first aider.		
	Take care of personal protection for the first alder.		
· After inhalation:	Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms		
	persist.		
	In case of unconsciousness place patient stably in side position for transportation.		
• • • • •	Take affected persons into fresh air and keep quiet.		
 After skin contact: 	Immediately wash with water and soap and rinse thoroughly.		
	Immediately remove contaminated clothing.		
After eye contact:	Rinse opened eye for several minutes under running water. Then consult a doctor.		
After swallowing:	Drink plenty of water and provide fresh air. Call for a doctor immediately.		
4.2 Most important symptoms			
and effects, both acute and			
,	No. 6 with an under some the former of the former of the late		
delayed	No further relevant information available.		
 4.3 Indication of any immediate 			
medical attention and special			
treatment needed	No further relevant information available.		
	IE		



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SECTION 5: Firefighting measures

• 5.1 Extinguishing media

· Suitable extinguishing agents:	CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
 5.2 Special hazards arising from 	
the substance or mixture	Under certain fire conditions, traces of other toxic gases cannot be excluded. Hydrocarbons, carbondioxide and -monoxid.
 5.3 Advice for firefighters 	
· Protective equipment:	Mouth respiratory protective device.
	Do not inhale explosion gases or combustion gases.
· Additional information	Cool endangered receptacles with water spray. Self-protection first!

SECTION 6: Accidental release measures

 6.1 Personal precautions, protective equipment and emergency procedures 	Keep away from ignition sources. 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:	Dispose contaminated material as waste according to section 13.
	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.	
	Ensure good ventilation/exhaustion at the workplace.	
	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.	
	Use only in well ventilated areas.	
	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).	
	Avoid contact with skin and eyes.	
	While using do not eat, drink or smoke.	
	Avoid shock and friction.	
	Do not smoke.	
 Information about fire - and 	_	
explosion protection:	Protect from heat.	
	Prevent impact and friction.	
	Fumes can combine with air to form an explosive mixture.	
	Wear shoes with conductive soles.	
	Avoid open flomes, sporks, direct suplicity and other sources of ignition	
	Avoid open flames, sparks, direct sunlight and other sources of ignition.	



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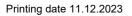
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	(Contd. of page 3)
· 7.2 Conditions for safe storage,	including any incompatibilities
· Storage:	Pay attention to the special requirements of your local autorithies for storing dangerous goods.
Requirements to be met by	
storerooms and receptacles:	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:	Do not store or park organic peroxide together with heavy metal compounds and amines.
	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.
	Store under lock and key and out of the reach of children.
 Recommended storage 	
temperature (To maintain	
quality):	0 +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 Control parameters · Ingredients with limit values that require monitoring at the workplace: 123-42-2 4-hydroxy-4-methylpentan-2-one OEL (Ireland) Long-term value: 240 mg/m³, 50 ppm WEL (Great Britain) Short-term value: 362 mg/m³, 75 ppm Long-term value: 241 mg/m³, 50 ppm 78-93-3 butanone OEL (Ireland) Short-term value: 900 mg/m³, 300 ppm Long-term value: 600 mg/m³, 200 ppm Sk, IOELV Short-term value: 900 mg/m³, 300 ppm IOELV (EU) Long-term value: 600 mg/m³, 200 ppm WEL (Great Britain) Short-term value: 899 mg/m³, 300 ppm Long-term value: 600 mg/m³, 200 ppm Sk, BMGV 7722-84-1 hydrogen peroxide solution Short-term value: 3 mg/m³, 2 ppm OEL (Ireland) Long-term value: 1,5 mg/m3, 1 ppm WEL (Great Britain) Short-term value: 2,8 mg/m³, 2 ppm Long-term value: 1,4 mg/m³, 1 ppm · DNELs 6846-50-0 1-isopropyl-2,2-dimethyltrimethylene diisobutyrate DNEL Longterm System 5 mg/kg bw/day (Worker) Dermal Inhalative DNEL Longterm System 17,62 mg/m3 (Worker) 1338-23-4 Reaction mass of butane-2,2-diyl dihydroperoxide and di-sec-butylhexaoxidane Dermal DNEL Longterm System 1,43 mg/kg bw/day (Worker) Inhalative DNEL Acute Systemic 7,55 mg/m3 DNEL Longterm System 2,52 mg/m3 (Worker) 123-42-2 4-hydroxy-4-methylpentan-2-one DNEL Longterm System 467 mg/kg bw/day (Worker) Dermal Inhalative DNEL Longterm System 32,6 mg/m3 (Worker) 78-93-3 butanone DNEL Longterm System 1.161 mg/kg bw/day (Worker) Dermal Inhalative DNEL Longterm System 600 mg/m3 (Worker) 7722-84-1 hydrogen peroxide solution Inhalative DNEL Longterm Local 1,4 mg/m3 (Worker) 102-82-9 tributylamine Inhalative DNEL Acute Systemic 10,6 mg/m3 (Worker) DNEL Longterm System 5,3 mg/m3 (Worker) (Contd. on page 5)

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DNEL Longte	erm Local 15,2 mg/m3 (Worker) (Contd. of page
·PNECs	
6846-50-0 1-isopropyl-2	2,2-dimethyltrimethylene diisobutyrate
PNEC Marinewater sed	
PNEC Freshwater	0,014 mg/l (AF 50)
PNEC Freshwater sed	5,29 mg/kg sed dw
PNEC Soil	1,05 mg/kg soil dw
PNEC STP	3 mg/l (AF 10)
PNEC Marinewater	0,001 mg/l (AF 500)
1338-23-4 Reaction ma	ss of butane-2,2-diyl dihydroperoxide and di-sec-butylhexaoxidane
PNEC Marinewater sed	0,009 mg/kg sed dw
PNEC Freshwater	0,006 mg/l (AF 1.000)
PNEC Freshwater sed	0,088 mg/kg sed dw
PNEC Soil	0,014 mg/kg soil dw
PNEC STP	1,2 mg/l (AF 10)
PNEC Marinewater	0,001 mg/l (AF 10.000)
123-42-2 4-hydroxy-4-m	nethylpentan-2-one
PNEC Marinewater sed	
PNEC Freshwater	2 mg/l (AF 50)
PNEC Freshwater sed	7,4 mg/kg sed dw
PNEC Soil	0,31 mg/kg soil dw
PNEC STP	100 mg/l (AF 10)
PNEC Marinewater	0,2 mg/l (AF 500)
7722-84-1 hydrogen pe	
PNEC Marinewater sed	
PNEC Freshwater	0,013 mg/l (AF 50)
PNEC Freshwater sed	0,047 mg/kg sed dw
PNEC Soil	0,002 mg/kg soil dw
PNEC STP	4,66 mg/l (AF 100)
PNEC Marinewater	0,013 mg/l (AF 50)
102-82-9 tributylamine	
PNEC Marinewater sed	
PNEC Freshwater	0,008 mg/l (AF 1.000)
PNEC Freshwater sed	35,85 mg/kg sed dw
PNEC Soil	7,17 mg/kg soil dw
PNEC STP	100 mg/l (AF 1)
PNEC Marinewater	0,0008 mg/l (AF 10.000)
· Ingredients with biolo	ogical limit values:
78-93-3 butanone	
BMGV (Great Britain) 7	
	fedium: urine
	ampling time: post shift arameter: butan-2-one
· Additional informatio	
8.2 Exposure controls Appropriate engineeri	
controls	No further data; see section 7.
	measures, 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.
	Avoid contact with the eyes and skin.
	Do not eat, drink, smoke or sniff while working.
	Use skin protection cream for skin protection.
· Respiratory protectio	Be sure to clean skin thoroughly after work and before breaks.
· Respiratory protectio	Be sure to clean skin thoroughly after work and before breaks.



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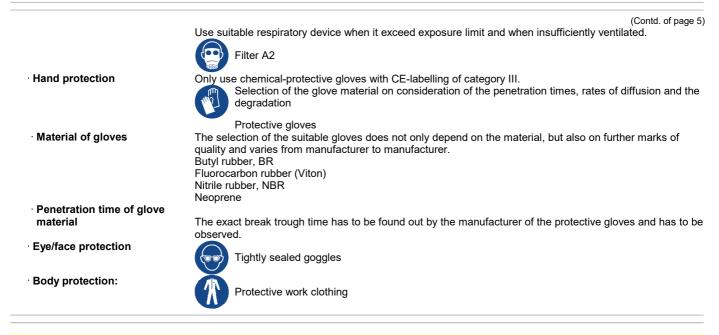
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SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties	
General Information	
· Physical state	Fluid
· Colour:	Colourless
· 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 life.
· Lower:	Not determined.
	Not determined.
· Flash point:	> SADT
Decomposition temperature:	+60 °C (SADT) Not determined.
· pH	Not determined.
Viscosity:	
Kinematic viscosity	Not determined.
Dynamic:	Not determined.
· Solubility	
· water:	Undetermined.
 Partition coefficient n-octanol/water (log value) 	not determined
	Not determined.
· Vapour pressure:	Not determined.
Density and/or relative density	
· Density at 20 °C:	1,01 g/cm ³
· Relative density	Not determined.
· Vapour density	Not determined.
· 9.2 Other information	
· Appearance:	
· Form:	Fluid
· Important information on protection of health and environment,	
and on safety.	
· Ignition temperature:	Draduat is not colfigniting
· Explosive properties:	Product is not selfigniting. Product is not explosive. However, formation of explosive air/vapour
Explosive properties.	
Change in condition	mixtures are possible.
Change in condition	Net determined
· Evaporation rate	Not determined.
Information with regard to physical hazard classes	
Explosives	Void
· Flammable gases	Void
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		(Contd. of page 6
· 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 ga	ases in	
contact with water	Void	
· Oxidising liquids	Void	
• Oxidising solids	Void	
Organic peroxides	Heating may cause a fire.	
· Corrosive to metals	Void	
Desensitised explosives	Void	
Other safety characteristics		
Active oxygen	8,8 - 9,3 %	

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 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. 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	
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 Inf Acute 1		ses as defined in Regulation (EC) No 1272/2008 Harmful if inhaled.	
· LD/LC	50 values relevant for cl	assification:	
6846-50	-0 1-isopropyl-2,2-dimet	hyltrimethylene diisobutyrate	
Oral	LD50 3.200 mg/kg (rattu	s)	
Dermal	LD50 18.900 mg/kg (cav	iinae)	
1338-23	1338-23-4 Reaction mass of butane-2,2-diyl dihydroperoxide and di-sec-butylhexaoxidane		
Oral	LD50 1.017 mg/kg (rattu	s)	
123-42-	2 4-hydroxy-4-methylpen	itan-2-one	
Oral	LD50 3.002 mg/kg (rattu	s)	
102-82-	9 tributylamine		
Oral	LD50 540 mg/kg (rattus)		
Dermal	LD50 250 mg/kg (cunicu	losus)	
· Skin co	orrosion/irritation	Causes severe skin burns and eye damage.	
	s eye damage/irritation	Causes serious eye damage.	
Respiratory or skin			
sensiti		Based on available data, the classification criteria are not met.	
	cell mutagenicity	Based on available data, the classification criteria are not met.	
	ogenicity	Based on available data, the classification criteria are not met.	
•	ductive toxicity	Suspected of damaging the unborn child.	
· STOT-	single exposure	Based on available data, the classification criteria are not met.	
		(Contd. on page 8	



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STOT-repeated exposure Aspiration hazard 11.2 Information on other haz	Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met. ards	(Contd. of page
Endocrine disrupting propert	ies	
78-93-3 butanone		List I
SECTION 12: Ecological in	formation	
12.1 Toxicity		
Aquatic toxicity:		
1338-23-4 Reaction mass of b	utane-2,2-diyl dihydroperoxide and di-sec-butylhexaoxidane	
LC50 / 96h 44,2 mg/l (-)		
78-93-3 butanone		
LC50 / 96h 3.220 mg/l (pimeph	ales promelas)	
EC50 / 48h 5.091 mg/l (daphnia		
12.2 Persistence and degrada Degree of elimination:		
· Classification:		
	ethyltrimethylene diisobutyrate	
	dable, failing 10-d wind) (OECD 301 B)	
	utane-2,2-diyl dihydroperoxide and di-sec-butylhexaoxidane	
Degradation (Readily biodegra		
123-42-2 4-hydroxy-4-methylp		
Degradation (Readily biodegra	dable) (OECD 301 A)	
78-93-3 butanone		
Degradation (Readily biodegra	dable) (OECD 301 D)	
7722-84-1 hydrogen peroxide		
Degradation (Readily biodegra	dable)	
102-82-9 tributylamine		
Degradation (Readily biodegra		
12.3 Bioaccumulative potentia		
· Partition coefficient: nOctan		
1338-23-4 Reaction mass of bu	tane-2,2-diyl dihydroperoxide and di-sec-butylhexaoxidane	2,04 (25°C
123-42-2 4-hydroxy-4-methylp	entan-2-one	-0,09 (20°C
78-93-3 butanone		0,3 (40°C)
7722-84-1 hydrogen peroxide s	olution	-1,57 (20°C
102-82-9 tributylamine		3,34 (25 °C
Bioconcentration factor (BCF		
6846-50-0 1-isopropyl-2,2-dim	ethyltrimethylene diisobutyrate	
BCF 183-194 (piscis)		
102-82-9 tributylamine		
BCF 7,3		
12.4 Mobility in soil 12.5 Results of PBT and vPvB	No further relevant information available.	
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	
12.6 Endocrine disrupting	5	
properties	For information on endocrine disrupting properties see section 11.	
12.7 Other adverse effects Remark:	Harmful to fish	
Additional ecological informa		
· General notes:	Must not reach sewage water or drainage ditch undiluted or unneutralised.	
	Harmful to aquatic organisms	, .
	Water hazard class 1 (German Regulation) (Self-assessment): slightly hazard	
	Do not allow undiluted product or large quantities of it to reach ground water, v	valer course or sewade
	system.	5

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13.1 Waste treatment methods	
· Recommendation	After diluting with a suitable desentisation agent to 10 %, the solution must be supplied to a speci treatment (e. g. thermal utilization) under observance of all official regulations.
<u>Z</u>	Must not be disposed together with household garbage. Do not allow product to reach sewage
	system. ease contact your hazardous waste disposers to assign the right EWC-(European waste catalog)- umber.
· Uncleaned packaging: · Recommendation: Th	nis material and its container must be disposed of as hazardous waste.
SECTION 14: Transport informa	ition
14.1 UN number or ID number · ADR, IMDG, IATA	UN3105
14.2 UN proper shipping name ADR	UN3105 ORGANIC PEROXIDE TYPE D, LIQUID (METHYL ETHYL KETONE PEROXIDE(S))
· IMDG, IATA	ORGANIC PEROXIDE TYPE D, LIQUID (METHYL ETHYL KETONE PEROXIDE(S))
14.3 Transport hazard class(es)	
· ADR	
· Class · Label	5.2 (P1) Organic peroxides. 5.2
· IMDG, IATA	
· Class · Label	5.2 Organic peroxides. 5.2
14.4 Packing group · ADR, IMDG, IATA	Void
14.5 Environmental hazards:	Not applicable.
14.6 Special precautions for user · Hazard identification number (Ken · Stowage Category · Stowage Code	Warning: Organic peroxides. nler code): D 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 acco	ording to IMO instruments Not applicable.
· Transport/Additional information:	
 ADR Limited quantities (LQ) Excepted quantities (EQ) 	125 ml Code: E0 Not permitted as Excepted Quantity
 Transport category Tunnel restriction code 	2 D
· RID / GGVSEB:	like ADR
· IMDG	
· Limited quantities (LQ)	125 ml (Contd. on page 1

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	(Con	td. of page 9)
 Excepted quantities (EQ) 	Code: E0	
	Not permitted as Excepted Quantity	
SECTION 15: Regulatory inf	formation	
· 15.1 Safety, health and environ	mental regulations/legislation specific for the substance or mixture	
Directive 2012/18/EU		
 Named dangerous substance ANNEX I 	s None of the ingredients is listed.	
· Seveso category	P6b SELF-REACTIVE SUBSTANCES AND MIXTURES and ORGANIC PEROXIDES	
· Qualifying quantity (tonnes) for	or	
the application of lower-tier	50.1	
requirements · Qualifying quantity (tonnes) for	50 t	
the application of upper-tier		
requirements	200 t	
	O an littlement of methods in a D	
1907/2006 ANNEX XVII	Conditions of restriction: 3	A A a a a a a
II	restriction of the use of certain hazardous substances in electrical and electronic equipmen	t – Annex
None of the ingredients is listed.		
· REGULATION (EU) 2019/1148		
	OSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))	
None of the ingredients is listed.		
Annex II - REPORTABLE EXP	LOSIVES PRECURSORS	
None of the ingredients is listed.		
· Regulation (EC) No 273/2004	on drug precursors	
78-93-3 butanone		3
 Regulation (EC) No 111/2005 precursors 	laying down rules for the monitoring of trade between the Community and third countries in	drug
78-93-3 butanone		3
·		

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	H225 Highly flammable liquid and vapour.
	H226 Flammable liquid and vapour.
	H242 Heating may cause a fire.
	H271 May cause fire or explosion; strong oxidiser.
	H272 May intensify fire; oxidiser.
	H302 Harmful if swallowed.
	H311 Toxic in contact with skin.
	H314 Causes severe skin burns and eye damage.
	H315 Causes skin irritation.
	H318 Causes serious eye damage.
	H319 Causes serious eye irritation.
	H330 Fatal if inhaled.
	H332 Harmful if inhaled.
	H335 May cause respiratory irritation.
	H336 May cause drowsiness or dizziness.
	H361d Suspected of damaging the unborn child.
	H412 Harmful to aquatic life with long lasting effects.
	EUH066 Repeated exposure may cause skin dryness or cracking.
· Contact:	Tel: +49 2871 9902-0
	E-mail: mail@pergan.com
 Version number of previous 	
version:	4
 Abbreviations and acronyms: 	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
	INDEX. International manufacture code to Dangerous Goods
	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)
	(Contra on page 11)



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Trade name: PEROXAN ME-50 LS-PX

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. Liq. 2: Flammable liquids – Category 2 Flam. Liq. 3: Flammable liquids – Category 3 Ox. Liq. 1: Oxidizing liquids – Category 1 Orq. Perox. D: Organic peroxides – Type C/D
Acute Tox. 4: Acute toxicity – Category 4
Acute Tox. 3: Acute toxicity – Category 3 Acute Tox. 1: Acute toxicity – Category 1
Skin Corr. 1A: Skin corrosion/irritation – Category 1A
Skin Corr. 1B: Skin corrosion/irritation – Category 1B Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Repr. 2: Reproductive toxicity – Category 2 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard - Category 3

 * Data compared to the previous version altered.