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

· 1.1 Product identifier

| · Trade name: | PEROXAN NPO-50 IBC |
|--|--|
| · 1.2 Relevant identified uses of the | ne substance or mixture and uses advised against |
| | 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 identifi | cation |
|--|--|
| Org. Perox. FH242 HeatingSkin Irrit. 2H315 CausesSkin Sens. 1H317 May cau | gulation (EC) No 1272/2008 Ible liquid and vapour. may cause a fire. |
| 2.2 Label elements Labelling according to Regulation (EC) No 1272/2008 Hazard pictograms | The product is classified and labelled according to the CLP regulation. |
| · Signal word | Warning |
| Hazard-determining components of labelling: Hazard statements | Di-(3,5,5-trimethylhexanoyl)-peroxide H226 Flammable liquid and vapour. H242 Heating may cause a fire. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H413 May cause long lasting harmful effects to aquatic life. |
| Precautionary statements | P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P234 Keep only in original packaging. P243 Take action to prevent static discharges. P264 Wash thoroughly after handling. P273 Avoid release to the environment. P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. P403+P235 Store in a well-ventilated place. Keep cool. P410 Protect from sunlight. P411+P235 Store at temperatures not exceeding 0°C. Keep cool. P420 Store separately. 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 and option | |
| Determination of endocrine- disrupting properties | The product does not contain substances with endocrine disrupting properties. |

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SECTION 3: Composition/information on ingredients

· 3.2 Mixtures

| •== | | |
|--|---|--------|
| Dangerous components: | | |
| CAS: 3851-87-4 EINECS: 223-356-0 Reg-No.: 01-2119966134-37 | Di-(3,5,5-trimethylhexanoyl)-peroxide Org. Perox. D, H242; Skin Irrit. 2, H315; Skin Sens. 1B, H317 | 50-60% |
| CAS: 93685-81-5 EINECS: 297-629-8 | Hydrocarbons, C4, 1,3-butadiene-free, polymd., triisobutylene fraction, hydrogenated Alternative CAS number: 13475-82-6 | 40-50% |
| Reg-No.: 01-2119490725-29 · Additional information: | Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 4, H413 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 | infor | matio | n: | | |
|-----------------------------|-------|-------|----|--|--|

Take care of personal protection for the first aider.

| | asures |
|--|--|
| 4.3 Indication of any immediate medical attention and special treatment needed | No further relevant information available. |
| 4.2 Most important symptoms and effects, both acute and delayed | No further relevant information available. |
| After swallowing: | If symptoms persist consult doctor. |
| After eye contact: | Immediately remove contaminated clothing. Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor. |
| After skin contact: | In case of unconsciousness place patient stably in side position for transportation. Take affected persons into fresh air and keep quiet. Immediately wash with water and soap and rinse thoroughly. |
| After inhalation: | Supply fresh air and to be sure call for a doctor. |

 5.1 Extinguishing media
 Suitable extinguishing agents:
 5.2 Special hazards arising from the substance or mixture
 5.3 Advice for firefighters
 Protective equipment:
 Additional information
 CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
 CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
 CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
 Dunder certain fire conditions, traces of other toxic gases cannot be excluded. Hydrocarbons, carbondioxide and -monoxid.
 Col 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. |
| emergency procedures | After exceeding the emergency temperature must be diluted with a suitable desentisation agent to < 10 %. |
| | In case of further temperature should be cooled with waterspray from a safe distance. |
| | |
| | Take precautionary measures against static discharges. |
| | Wear breathing apparatus with filter A during decomposition of materials. |
| | Wear protective equipment. Keep unprotected persons away. |
| • 6.2 Environmental precautions: | Do not allow to enter sewers/ surface or ground water. |
| · 6.3 Methods and material for | |
| containment and cleaning up: | Ensure adequate ventilation. |
| 0 1 | 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 Deference to other continue | In age, of large apillage the appricamental authority should be informed |

• 6.4 Reference to other sections In case of large spillage the environmental authority should be informed.

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SECTION 7: Handling and storage

| Keep receptacles tightly sealed. | |
|--|--|
| Keep away from heat and direct sunlight. | |
| Open and handle receptacle with care. | |
| Prevent formation of aerosols. | |
| | |
| Wear suitable respiratory protective device when decanting larger quantities without extractor facilities. | |
| Do not refill residue into storage receptacles. | |
| Restrict the quantity stored at the work place. | |
| Before break and at the end of work hands should be thoroughly washed. | |
| Only use tools made of suitable materials (e. g. polyethylene or stainless steel). | |
| The product must be preserved, stored and transported continously cool. | |
| Keep away from dirt, rust, chemicals in particular concentrated acids, alkalis and accelerators (e. g. heav | |
| metal compounds and amines). | |
| While using do not eat, drink or smoke. | |
| Do not generate flames or sparks. | |
| Keep product and emptied container away from heat and sources of ignition. | |
| Avoid shock and friction. | |
| Take precautionary measures against static discharges. | |
| | |
| bo not smoke. | |
| | |
| - | |
| Protect from heat. | |
| Protect against electrostatic charges. | |
| Prevent impact and friction. | |
| Use explosion-proof apparatus / fittings and spark-proof tools. | |
| Fumes can combine with air to form an explosive mixture. | |
| | |
| Wear shoes with conductive soles. | |
| | |
| Formation of flammable or explosive gas/air-mixtures is possible. | |
| | |
| (Avoid open flames, sparks, direct sunlight and other sources of ignition. | |
| | |
| Keep ignition sources away - Do not smoke. | |
| | |
| including any incompatibilities | |
| Pay attention to the special requirements of your local autorithies for storing dangerous goods. | |
| | |
| Store only in the original receptacle. | |
| Prevent any seepage into the ground. | |
| Use only receptacles specifically permitted for this substance/product. | |
| | |
| | |
| Do not store or park organic peroxide together with heavy metal compounds and amines. | |
| Do not store or park organic peroxide together with heavy metal compounds and amines. | |
| | |
| Do not store or park organic peroxide together with heavy metal compounds and amines. Store away from foodstuffs, drinks and feeding stuffs. | |
| Do not store or park organic peroxide together with heavy metal compounds and amines. Store away from foodstuffs, drinks and feeding stuffs. Keep container tightly sealed. | |
| Do not store or park organic peroxide together with heavy metal compounds and amines. Store away from foodstuffs, drinks and feeding stuffs. Keep container tightly sealed. Protect from heat and direct sunlight. | |
| Do not store or park organic peroxide together with heavy metal compounds and amines. Store away from foodstuffs, drinks and feeding stuffs. Keep container tightly sealed. | |
| Do not store or park organic peroxide together with heavy metal compounds and amines. Store away from foodstuffs, drinks and feeding stuffs. Keep container tightly sealed. Protect from heat and direct sunlight. | |
| Do not store or park organic peroxide together with heavy metal compounds and amines. Store away from foodstuffs, drinks and feeding stuffs. Keep container tightly sealed. Protect from heat and direct sunlight. Protect from contamination. | |
| Do not store or park organic peroxide together with heavy metal compounds and amines. Store away from foodstuffs, drinks and feeding stuffs. Keep container tightly sealed. Protect from heat and direct sunlight. Protect from contamination. | |
| Do not store or park organic peroxide together with heavy metal compounds and amines. Store away from foodstuffs, drinks and feeding stuffs. Keep container tightly sealed. Protect from heat and direct sunlight. Protect from contamination. -8 5°C +10°C | |
| Do not store or park organic peroxide together with heavy metal compounds and amines. Store away from foodstuffs, drinks and feeding stuffs. Keep container tightly sealed. Protect from heat and direct sunlight. Protect from contamination. -8 5°C | |
| Do not store or park organic peroxide together with heavy metal compounds and amines. Store away from foodstuffs, drinks and feeding stuffs. Keep container tightly sealed. Protect from heat and direct sunlight. Protect from contamination. -8 5°C +10°C | |
| Do not store or park organic peroxide together with heavy metal compounds and amines. Store away from foodstuffs, drinks and feeding stuffs. Keep container tightly sealed. Protect from heat and direct sunlight. Protect from contamination. -8 5°C +10°C +15°C | |
| Do not store or park organic peroxide together with heavy metal compounds and amines. Store away from foodstuffs, drinks and feeding stuffs. Keep container tightly sealed. Protect from heat and direct sunlight. Protect from contamination. -8 5°C +10°C +15°C 5.2 | |
| Do not store or park organic peroxide together with heavy metal compounds and amines. Store away from foodstuffs, drinks and feeding stuffs. Keep container tightly sealed. Protect from heat and direct sunlight. Protect from contamination. -8 5°C +10°C +15°C 5.2 No further relevant information available. | |
| Do not store or park organic peroxide together with heavy metal compounds and amines. Store away from foodstuffs, drinks and feeding stuffs. Keep container tightly sealed. Protect from heat and direct sunlight. Protect from contamination. -8 5°C +10°C +15°C 5.2 | |
| Do not store or park organic peroxide together with heavy metal compounds and amines. Store away from foodstuffs, drinks and feeding stuffs. Keep container tightly sealed. Protect from heat and direct sunlight. Protect from contamination. -8 5°C +10°C +15°C 5.2 No further relevant information available. | |
| Do not store or park organic peroxide together with heavy metal compounds and amines. Store away from foodstuffs, drinks and feeding stuffs. Keep container tightly sealed. Protect from heat and direct sunlight. Protect from contamination. -8 5°C +10°C +15°C 5.2 No further relevant information available. | |
| Do not store or park organic peroxide together with heavy metal compounds and amines. Store away from foodstuffs, drinks and feeding stuffs. Keep container tightly sealed. Protect from heat and direct sunlight. Protect from contamination. -8 5°C +10°C +15°C 5.2 No further relevant information available. | |
| Do not store or park organic peroxide together with heavy metal compounds and amines. Store away from foodstuffs, drinks and feeding stuffs. Keep container tightly sealed. Protect from heat and direct sunlight. Protect from contamination. -8 5°C +10°C +15°C 5.2 No further relevant information available. | |
| Do not store or park organic peroxide together with heavy metal compounds and amines. Store away from foodstuffs, drinks and feeding stuffs. Keep container tightly sealed. Protect from heat and direct sunlight. Protect from contamination. -8 5°C +10°C +15°C 5.2 No further relevant information available. Dis/personal protection The product does not contain any relevant quantities of materials with critical values that have to be | |
| Do not store or park organic peroxide together with heavy metal compounds and amines. Store away from foodstuffs, drinks and feeding stuffs. Keep container tightly sealed. Protect from heat and direct sunlight. Protect from contamination. -8 5°C +10°C +15°C 5.2 No further relevant information available. | |
| | |

| DITEE | |
|-----------|---|
| 3851-87-4 | Di-(3,5,5-trimethylhexanoyl)-peroxide |
| Dermal | DNEL Longterm System 0,67 mg/kg bw/day (Worker) |

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| Inhalative DNEL Longte | erm System 1,18 mg/m3 (Worker) (Contd. of page |
|--|--|
| PNECs | |
| 3851-87-4 Di-(3,5,5-trin | nethylhexanoyl)-peroxide |
| PNEC Marinewater sed | 0,048 mg/kg sed dw (-) |
| PNEC Freshwater | 0,073 mg/l (AF 100) |
| PNEC Freshwater sed | 0,48 mg/kg sed dw (-) |
| PNEC Soil | 0,054 mg/kg soil dw (-) |
| PNEC STP | 75 mg/l (AF 10) |
| PNEC Marinewater | 0,0073 mg/l (AF 1.000) |
| · Additional information | The lists valid during the making were used as basis. |
| 8.2 Exposure controls · Appropriate engineeric controls · Individual protection · General protective and | ing No further data; see section 7. measures, 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. 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 protectio | On: Not necessary if room is well-ventilated. Use suitable respiratory device when it exceed exposure limit and when insufficiently ventilated. |
| [·] Hand protection | Filter A2 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 g material | |
| · Eye/face protection | Tightly sealed goggles |
| · Body protection: | Protective work clothing |

· 9.1 Information on basic physical and chemical properties · General Information · Colour: Colourless Odour: Characteristic Undetermined. · Melting point/freezing point: Boiling point or initial boiling point and boiling range Flash point: Undetermined. 53 °C · Decomposition temperature: +25 °C (SADT) · Viscosity: Dynamic at 20 °C: 77 mPas · Solubility Not miscible or difficult to mix. · water: · Partition coefficient n-octanol/water (log value) not determined

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| | (Contd. of pag |
|---|---|
| · Density and/or relative density | |
| · Density at 20 °C: | 0,825 g/cm³ |
| 9.2 Other information | |
| Appearance: | |
| · Form: | Fluid |
| Important information on protection of health and environment, and on safety. | |
| Ignition temperature: | Product is not selfigniting. |
| · Explosive properties: | Product is not explosive. However, formation of explosive air/vapour mixtures are possible. |
| Information with regard to physical hazard classes | |
| Explosives | Void |
| · Flammable gases | Void |
| Aerosols | Void |
| · Oxidising gases | Void |
| · Gases under pressure | Void |
| Flammable liquids | Flammable liquid and vapour. |
| 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 | Heating may cause a fire. |
| 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 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 In Acute | | ion on hazard classes as defined in Regulation (EC) No 1272/2008 y Based on available data, the classification criteria are not met. |
|------------------|----------|---|
| · LD/L(| C50 val | lues relevant for classification: |
| 3851-8 | 7-4 Di-(| (3,5,5-trimethylhexanoyl)-peroxide |
| Oral | LD50 | >5.000 mg/kg (rattus) |
| Dermal | I LD50 | >2.000 mg/kg (rattus) |
| 93685- | 81-5 Hy | vdrocarbons, C4, 1,3-butadiene-free, polymd., triisobutylene fraction, hydrogenated |
| Oral | LD50 | >5.000 mg/kg (rattus) |
| · Skin c | orrosic | on/irritation Causes skin irritation. |
| | | (Contd. on page |

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| · Serious eye damage/irritation | Low irritant effect (Contd. of page |
|---|--|
| · Respiratory or skin | Low initiant effect |
| 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 hazar | |
| · Endocrine disrupting propertie | IS |
| None of the ingredients is listed. | |
| | |
| | |
| SECTION 12: Ecological info | ormation |
| 12.1 Toxicity | |
| • | |
| · Aquatic toxicity: | |
| . | ,3-butadiene-free, polymd., triisobutylene fraction, hydrogenated |
| EC50 / 48h >0,04 mg/l (daphnia) | |
| IC50 / 72h >0,04 mg/l (algae) | |
| 12.2 Persistence and degradabi | lity |
| · Degree of elimination: | |
| · Classification: | |
| 93685-81-5 Hvdrocarbons, C4, 1 | 3-butadiene-free, polymd., triisobutylene fraction, hydrogenated |
| Degradation (Not readily biodegr | adable) |
| 12.4 Mobility in soil | No further relevant information available. |
| 12.5 Results of PBT and vPvB a | increase mont |
| 12.3 RESULS OF FOT AND VEVD A | 3303311011 |
| · PBT: | |
| | 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. |
| · PBT: | The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII. |
| • PBT: • vPvB: • 12.6 Endocrine disrupting properties | The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII. |
| • PBT: • vPvB: • 12.6 Endocrine disrupting properties • 12.7 Other adverse effects | 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. The product does not contain substances with endocrine disrupting properties. |
| PBT: vPvB: 12.6 Endocrine disrupting properties 12.7 Other adverse effects Additional ecological informati | 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. The product does not contain substances with endocrine disrupting properties. |
| • PBT: • vPvB: • 12.6 Endocrine disrupting properties • 12.7 Other adverse effects | 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. The product does not contain substances with endocrine disrupting properties. ion: Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water |
| PBT: vPvB: 12.6 Endocrine disrupting properties 12.7 Other adverse effects Additional ecological informati | 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. The product does not contain substances with endocrine disrupting properties. |

| SECTION 13: Disposal considerations | | | |
|--|--|--|--|
| • 13.1 Waste treatment methods • Recommendation | After diluting with a suitable desentisation agent to 10 %, the solution must be supplied to a special treatment (e. g. thermal utilization) under observance of all official regulations. Must not be disposed together with household garbage. Do not allow product to reach sewage 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
 UN3119

 · 14.2 UN proper shipping name · ADR
 UN3119 ORGANIC PEROXIDE TYPE F, LIQUID, TEMPERATURE CONTROLLED (DI-(3,5,5-TRIMETHYLHEXANOYL) PEROXIDE)

 · IMDG
 ORGANIC PEROXIDE TYPE F, LIQUID, TEMPERATURE CONTROLLED (DI-(3,5,5-TRIMETHYLHEXANOYL) PEROXIDE)

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| | (Contd. of page |
|---|---|
| 14.3 Transport hazard class(es) | |
| ADR | |
| | |
| | |
| · Class | 5.2 (P2) Organic peroxides. |
| · Label | 5.2 |
| ·IMDG | |
| | |
| | |
| · Class | 5 2 Organic porovidos |
| Label | 5.2 Organic peroxides. 5.2 |
| · IATA | |
| · Class | X |
| ·Label | X |
| 14.4 Packing group | Void |
| · ADR, IMDG | Võid |
| 14.5 Environmental hazards: · Marine pollutant: | Νο |
| 14.6 Special precautions for user | Warning: Organic peroxides. |
| Hazard identification number (Kemler code): | • |
| EMS Number: | F-F,S-R |
| · Stowage Category · Stowage Code | D SW1 Protected from sources of heat. |
| | SW3 Shall be transported under temperature control. |
| · Segregation Code | SG35 Stow "separated from" SGG1-acids |
| 44.7 Maritima transport in bulk according to IMO instru | SG36 Stow "separated from" SGG18-alkalis. |
| 14.7 Maritime transport in bulk according to IMO instru- | uments Not applicable. |
| • Transport/Additional information: | |
| · ADR · Limited quantities (LQ) | 0 |
| · Excepted quantities (EQ) | Code: E0 |
| | Not permitted as Excepted Quantity |
| Transport category Tunnel restriction code | 1 D |
| · RID / GGVSEB: | no admission |
| | |
| · IMDG · Limited quantities (LQ) | 0 |
| · Excepted quantities (EQ) | Code: E0 |
| · | Not permitted as Excepted Quantity |
| | |
| · Remarks: | no admission |
| Control temperature: | +10°C |
| · Emergency temperature: | +15°C |

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. P6b SELF-REĂCTIVE SUBSTANCES AND MIXTURES and ORGANIC PEROXIDES · Seveso category Qualifying quantity (tonnes) for the application of lower-tier requirements 50 t Qualifying quantity (tonnes) for the application of upper-tier 200 t requirements

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Trade name: PEROXAN NPO-50 IBC

· REGULATION (EC) No

1907/2006 ANNEX XVII Conditions of restriction: 3

• 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.

| · Relevant phrases | H226 Flammable liquid and vapour. H242 Heating may cause a fire. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H317 May cause an allergic skin reaction. 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 |
| · Version number of previous | |
| version: | 7 |
| Abbreviations and acronyms: Abbreviations and acronyms: * Data compared to the previous version altered. | 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 List of Notified Chemical 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 concentration, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative Flam. Liq. 3: Flammable liquids – Category 3 Org. Perox. F: Organic peroxides – Type E/F Skin Irrit. 2: Skin corrosion/irritation – Category 1 Skin Sens. 1: Skin sensitisation – Category 1 Skin Sens. 1: Skin sensitisation – Category 1 Aquatic Chronic 4: Hazardous to the aquatic environment - long-term aquatic hazard – Category 4 |
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