Printing date 02.04.2024

Version: 6 (replaces version 5)

Revision: 15.02.2023

The Peroxide Company

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

· 1.1 Product identifier

DEDOYAN DD 40 WC

| · Trade name:  | PERUXAN BP-40 WS   |  |
|--|--|--|
| · 1.2 Relevant identified uses of the                              | of the substance or mixture and uses advised against<br>No further relevant information available.   |  |
| <ul> <li>Application of the substance /<br/>the mixture</li> </ul> |  |  |
| · 1.3 Details of the supplier of the                               | safety data sheet  |  |
| · Manufacturer/Supplier:   | PERGAN GmbH<br>Hilfsstoffe für industrielle Prozesse<br>Schlavenhorst 71<br>D-46395 Bocholt<br>Tel: +49 2871 9902-0<br>Fax: +49 2871 9902-50 |  |
| · Further information obtainable                                   |  |  |
| from:  | Environment protection / Security of labour<br>Qualified person: E-mail: msds@pergan.com   |  |
| <ul> <li>1.4 Emergency telephone<br/>number:</li> </ul>            | - Tel: +49 2871 9902-0   |  |
|  |  |  |
| SECTION 2: Hazards identified                                      | cation   |  |

P264

P273

P280

P410

P420

P501

· Additional information:

P411+P235

| Org. Perox. F<br>Eye Irrit. 2<br>Skin Sens. 1<br>Aquatic Acute 1                 | cording to Reg<br>H242 Heating<br>H319 Causes<br>H317 May cau<br>H400 Very tox | yulation (EC) No 12<br>may cause a fire.<br>serious eye irritatio<br>ise an allergic skin<br>ic to aquatic life.  | n.  |
|--|--|---|---|
| 2.2 Label element<br>Labelling accord<br>Regulation (EC) I<br>Hazard pictogra    | ing to<br>No 1272/2008   | The product is cla<br>Constant of the product is cla<br>Check of the product is classical | essified and labelled according to the CLP regulation.  |
| · Signal word  |  | Warning   |   |
| <ul> <li>Hazard-determin<br/>components of I</li> <li>Hazard statemer</li> </ul> | abelling:  |   | y cause a fire.   |
| · Precautionary st   | atements   | P210<br>P220<br>P234  | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No<br>smoking.<br>Keep away from dirt, rust, chemicals in particular concentrated acids, alkalis and<br>accelerators (e. g. heavy metal compounds and amines).<br>Keep only in original packaging. |

Wash thoroughly after handling.

protection.

Avoid release to the environment.

present and easy to do. Continue rinsing.

Wear protective gloves/protective clothing/eye protection/face protection/hearing

Dispose of contents/container in accordance with local/regional/national/international

P305+P351+P338 F IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

\* The product is a suspension with low viscosity and can separate easily. Stirring before use is

Store at temperatures not exceeding +25°C. Keep cool.

absolutely essential. \* · 2.3 Other hazards · Results of PBT and vPvB assessment · PBT: The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII. · vPvB: The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

Protect from sunlight.

Store separately.

regulations.

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· Determination of endocrinedisrupting properties

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The product does not contain substances with endocrine disrupting properties.

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(Contd. of page 1)

### Trade name: PEROXAN BP-40 WS

| SECTION 3: Compositio  | n/information on ingredients   |        |
|--|--|--------|
| · 3.2 Mixtures   |  |        |
| · Dangerous components:  |  |        |
| CAS: 94-36-0<br>EINECS: 202-327-6<br>Index number: 617-008-00-0<br>Reg-No.: 01-2119511472-50 |  | 40-50% |
| CAS: 56-81-5<br>EINECS: 200-289-5<br>Reg-No.: 01-2119471987-18                               | glycerol<br>substance with a Community workplace exposure limit  | 2,5-5% |
| CAS: 9014-85-1<br>NLP: 500-022-5<br>Reg-No.: 01-2119954393-33                                | Ethoxylated-2,4,7,9-tetramethyl-5-decyne-4,7-diol<br>Eye Dam. 1, H318; Skin Sens. 1, H317; Aquatic Chronic 3, H412 | 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:



Take care of personal protection for the first aider.

· After inhalation: Supply fresh air and to be sure call for a doctor. 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. If symptoms persist, consult a doctor. · After swallowing: If symptoms persist consult doctor. 4.2 Most important symptoms and effects, both acute and No further relevant information available. 4.3 Indication of any immediate medical attention and special

No further relevant information available.

#### **SECTION 5: Firefighting measures**

· 5.1 Extinguishing media

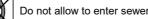
treatment needed

delayed

• 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: 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.

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The Peroxide Company

# Trade name: PEROXAN BP-40 WS

| · 6.3 Methods and material for    | (Contd. of page 2)  |
|-----------------------------------|---|
|                                   |   |
| containment and cleaning up:      | 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<br>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.   |
|                                   | in dade en large epiliage the environmental admenty enedia be interned.   |

### SECTION 7: Handling and storage

| <ul> <li>• 7.1 Precautions for safe handling         <ul> <li>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 fill insidue into storage receptacles.                  Restrict the quantity stored at the work place.                  Refer the quantity stored at matines).                  Work and method on sparks.                       Refer the quantity stored at members on parks.                  Reper avery from thr. ust, chemicals in parks proof tools.                        Protect from heat.                     Protect from heat.                     Protect from heat.                    Protect from heat.                     Protect from heat.                     Protect from heat.                     Protect from heat.                     Protect from heat.                     Protect from heat.                     Protect from heat.                     Protect from heat.                     Protect from heat.                     Protect from heat.                     Protect from heat.                     Protect from heat.                     Protect from heat.                     Protect from heat.                     Protect from heat.                     Protect from heat.                     Protect from heat.                     Protect from heat.                     Protect from heat.                     Protect from</li></ul></li></ul>  |  |   |
|--|--|---|
| handling       Keep away from heat and direct sunlight.         Open and handle receptacle with care.       Prevent formation of aerosols.         Prevent formation of aerosols.       Weat 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 used tools made of suitable metariating is particular concentrated acids, alkalis and accelerators (e.g. heavy-<br>metal compounds and amines).         While using do not eat, drink or amake.       Do not generate fames or sparks.         Do not generate fames or sparks.       Neep product and emptied container away from heat and sources of ignition.         Avoid stocal and friction.       Table precautionary measures against static discharges.         Protect from heat.       Protect from heat.         Protect from heat.       Protect against electrostatic charges.         Prevent impact and friction.       Use septosion-proof aparatus / fittings and spark-proof tools.         Euroscience       Protect from heat.         Protect from heat and friction.       Protect against electrostatic charges.         Prevent impact and friction.       Protect against electrostatic protective eagles.         Protect from heat and friction.       Protect from heat and friction.         Use septosion   | • 7.1 Precautions for safe                       |   |
| <ul> <li>Open and handle receptacle with care.</li> <li>Prevent formation of acrosols.</li> <li>Wear suitable respiratory protective device when decanting larger quantities without extractor facilities.</li> <li>Do not refil inesidue into storage receptacles.</li> <li>Restrict the quantity stored at the work place.</li> <li>Before break and at the end of work hands should be thoroughly washed.</li> <li>Only use tools made of suitable materials (e. g. polyethylene or stainless steel).</li> <li>Keep away from dir, tust, chemicals in particular concentrated acids, alkalis and accelerators (e. g. heavymetal compounds and amines).</li> <li>While using do not et al. (drink or smoke.</li> <li>Do not generate flames or sparks.</li> <li>Keep away from dir, tust, chemicals in particular concentrated acids, alkalis and accelerators (e. g. heavymetal compounds and amines).</li> <li>While using do not et al. (drink or smoke.</li> <li>Do not generate flames or sparks.</li> <li>Keep anyotic and empleted container away from heat and sources of ignition.</li> <li>Avoid shock and friction.</li> <li>Use explosion protection:</li> <li>Protect from heat.</li> <li>Prevent inpact and friction.</li> <li>Use explosion-proof apparatus / fittings and spark-proof tools.</li> <li>Fumes can combine with air to form an explosive gas/air-mixtures is possible.</li> <li>Keep away form dir, use spaces, advect substance/product.</li> <li>Foreation to the special requirements of your local autorithies for storing dangerous goods.</li> <li>Prevent any seepage into the ground.</li> <li>Use only in the original receptacle.</li> <li>Prevent any seepage into the ground.</li> <li>Use or plane or granic sparks, and feeding stuffs.</li> <li>Formation about storage in on costorage faciliti.</li> <li>Nor tastor or park organic peroxide logether with heavy metal compounds and amines.</li> <li>Storage conditions:</li> <li>Recommended storage</li></ul>   |  | Keen away from heat and direct sunlight                                   |
| Prevent formation of aircsols.         Wear suitable respiratory protective device when decanting larger quantities without extractor facilities.<br>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 used tools made of suitable materiating (e.g. polyethydene or stainless steet).         Keep away from dirt, rust, chemicals in particular concentrated acids, alkalis and accelerators (e.g. heavy-<br>metal compounds and amines).         While using do not est, drink or smoke.         Do not generate fittemes or sparks.         Keep product and emptied container away from heat and sources of ignition.         Avid shock and friction.         Take precautionary measures against static discharges.         Prevent impact and friction.         Use explosion-prof apparatus / fittings and spark-prof tools.         Furmeation of the explosive mixture.         Vise         Vise explosion-prof apparatus / fittings and spark-prof tools.         Furmeation of fittings and spark-prof tools.         Furmeation of fittings and spark-prof tools.         Furmeation about storage in combine with  | nanunny  |   |
| Information about fire - and explosion protective device when decanting larger quantities without extractor facilities. Before break and at the end of work hands should be throroughly washed.         On yues tools made of suitable materials (e. g. polyethylene or stainless steel).         Keep away from dir, tuxi, chemicals in particular concentrated acids, alkalis and accelerators (e. g. heavy-metal compounds and amines).         While using do not et al., chemicals in particular concentrated acids, alkalis and accelerators (e. g. heavy-metal compounds and amines).         While using do not et al., chemicals in particular concentrated acids, alkalis and accelerators (e. g. heavy-metal compounds and amines).         While using do not et al., chemicals in particular concentrated acids, alkalis and accelerators (e. g. heavy-metal compounds and amines).         While using do not et al., chemicals in particular concentrated acids, alkalis and accelerators (e. g. heavy-metal compounds and friction.         Take precautionary measures against static discharges.         Protect from heat.         Protect from heat.         Protect from heat.         Protect from heat.         Protect against electrostalic charges.         Formation of flammable or explosive gas/air-mixtures is possible.         Formation of flammable or explosive gas/air-mixtures is possible.         Formation sources away - Do not smoke.         Provent inpact and froction.         Vale explosion-proof apparatus / fluings and spark-proof tools.         Formation of flammable or explosive gas/air-mixtures is possible.         Formation of flammable or explosive gas/air-mixtures is possible.         Provent any seepage into the ground.         Vare only in the original receptacle.         Prevent any seepage into the ground.         Use onot store or pa   |  |   |
| b on of refill residue into storage receptacles.<br>Restrict the quantity stored at the work place.<br>Before break and at the end of work hands should be thoroughly washed.<br>Only use tools made of suitable materials (e.g. polyethylene or stainless steel).<br>Keep away from dirt, rust, chemicals in particular concentrated acids, alkalis and accelerators (e.g. heavy-<br>metal compounds and animes).<br>While using do not eat, drink or smoke.<br>Do not generate flames or sparks.<br>Keep product and emptied container away from heat and sources of ignition.<br>Avoid shock and friction.<br>Take precautionary measures against static discharges.<br>Protect against electrostatic charges.<br>Protect against electrostatic charges.<br>Protect against electrostatic charges.<br>Prevent impact and friction.<br>Use explosion protection:<br>Furmes can combine with air to form an explosive mixtures is possible.<br>Formation of flammable or explosive gas/air-mixtures is possible.<br>Keep ignition sources away - Do not smoke.<br>Storage:<br>Pay attention the special requirements of your local autorithies for storing dangerous goods.<br>Storage:<br>Prevent any seepage linto the ground.<br>Use only receptacles specifically permitted for this substance/product.<br>Information about storage in<br>on common storage facility.<br>Storage conditions is required in direct sum light.<br>Prevent any seepage linto the ground.<br>Use only receptacles specifically permitted for this substance/product.<br>Information about storage in a collecting more is required.<br>Keep container tightly sealed.<br>Prevent from heat and fried more addirect sumlight.<br>Protect from heat and friction.<br>Lead on the original receptacle.<br>Prevent any seepage linto the ground.<br>Use only receptacles specifically permitted for this substance/product.<br>Information about storage in<br>on common storage facility.<br>Protect from heat and direct sumlight.<br>Protect from heat and friction.<br>Storage in a collecting rom is required.<br>Keep container tightly sealed.<br>Protect from heat and direct sumlight.<br>Protect from heat and direct sumli                      |  |   |
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| <ul> <li>Before break and at the end fwork hards should be thoroughly washed.</li> <li>Chy use tools made of suitable materials (e.g. polyethylene or stainless steel).</li> <li>Keep away from dirt, rust, chemicals in particular concentrated acids, alkalis and accelerators (e.g. heavy-metal compounds and amimes).</li> <li>While using do not eat, drink or smoke.</li> <li>Do not generate filames or sparks.</li> <li>Keep product and emptied container away from heat and sources of ignition.</li> <li>Avoid shock and friction.</li> <li>Take precautionary measures against static discharges.</li> <li>Protect against electrostatic charges.</li> <li>Protect against electrostatic charges.</li> <li>Protect against electrostatic charges.</li> <li>Prevent impact and friction.</li> <li>Use or capocide against electrostatic charges.</li> <li>Prevent impact and friction.</li> <li>Use capocide against electrostatic charges.</li> <li>Prevent impact and friction.</li> <li>Use explosion-proto faparatus / fittings and spark-proof tools.</li> <li>Fumes can combine with air to form an explosive mixture.</li> <li>Wear shoes with conductive soles.</li> <li>Avoid open flammable or explosive gas/air-mixtures is possible.</li> <li>Avoid open flames, sparks, direct sunlight and other sources of ignition.</li> <li>Keep ignition sources away - Do not smoke.</li> <li>Pay attention to the special requirements of your local autorithies for storing dangerous goods.</li> <li>Pay attention to the special requirements of your local autorithies for storing dangerous goods.</li> <li>Protect from onlain regulated for this substance/product.</li> <li>Information about storage in a collecting room and field precipital.</li> <li>Protect from containing regulated for this substance/product.</li> <li>Information about storage in a collecting room is required.</li> <li>Protect from contamination.</li> <li>Storage conditions:</li> <li>Re</li></ul>  |  | Do not refill residue into storage receptacles.                           |
| <ul> <li>Before break and at the end fwork hards should be thoroughly washed.</li> <li>Chy use tools made of suitable materials (e.g. polyethylene or stainless steel).</li> <li>Keep away from dirt, rust, chemicals in particular concentrated acids, alkalis and accelerators (e.g. heavy-metal compounds and amimes).</li> <li>While using do not eat, drink or smoke.</li> <li>Do not generate filames or sparks.</li> <li>Keep product and emptied container away from heat and sources of ignition.</li> <li>Avoid shock and friction.</li> <li>Take precautionary measures against static discharges.</li> <li>Protect against electrostatic charges.</li> <li>Protect against electrostatic charges.</li> <li>Protect against electrostatic charges.</li> <li>Prevent impact and friction.</li> <li>Use or capocide against electrostatic charges.</li> <li>Prevent impact and friction.</li> <li>Use capocide against electrostatic charges.</li> <li>Prevent impact and friction.</li> <li>Use explosion-proto faparatus / fittings and spark-proof tools.</li> <li>Fumes can combine with air to form an explosive mixture.</li> <li>Wear shoes with conductive soles.</li> <li>Avoid open flammable or explosive gas/air-mixtures is possible.</li> <li>Avoid open flames, sparks, direct sunlight and other sources of ignition.</li> <li>Keep ignition sources away - Do not smoke.</li> <li>Pay attention to the special requirements of your local autorithies for storing dangerous goods.</li> <li>Pay attention to the special requirements of your local autorithies for storing dangerous goods.</li> <li>Protect from onlain regulated for this substance/product.</li> <li>Information about storage in a collecting room and field precipital.</li> <li>Protect from containing regulated for this substance/product.</li> <li>Information about storage in a collecting room is required.</li> <li>Protect from contamination.</li> <li>Storage conditions:</li> <li>Re</li></ul>  |  | Restrict the guantity stored at the work place.                           |
| Only use tools made of suitable materials (e.g. polyethylene or stainless steel).         Keep away from dir, rust, chemicalis in particular concentrated acids, alkalis and accelerators (e.g. heavymetal compounds and amines).         While using do not eat, drink or smoke.         Do not generate flames or sparks.         Keep product and empiled container away from heat and sources of ignition.         Avoid shock and friction.         Take precautionary measures against static discharges.         Protect form heat.         Protect against electrostatic charges.         Prevent impact and friction.         Use polycin optimize of against electrostatic charges.         Prevent impact and friction.         Use polycin optimize of against electrostatic charges.         Prevent impact and friction.         Use polycin optimize of against electrostatic charges.         Prevent impact and friction.         Use polycin optimize of against electrostatic charges.         Prevent impact and friction.         Use polycin optimize of against electrostatic charges.         Prevent impact and friction.         Use polycin optimize of against electrostatic charges.         Prevent impact and friction.         Vseep ignition sources away - Do not smoke.         Protect from heat.         Prevent impact and friction sources away - Do not smoke.         Stora   |  |   |
| 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.         Do not generate finances or sparks.         Keep product and emptied container away from heat and sources of ignition.         Avoid shock and friction.         Take precautionary measures against static discharges.         Protect from heat.         Protect against electrostatic charges.         Protect from heat.         Protect from heat. <th></th> <th></th>   |  |   |
| <ul> <li>metal compounds and amines).</li> <li>While using do not smoke.</li> <li>Do not generate flames or sparks.</li> <li>Keep product and empiled container away from heat and sources of ignition.</li> <li>Avoid shock and friction.</li> <li>Take precautionary measures against static discharges.</li> <li>Protect prometate flames or sparks.</li> <li>Protect from heat.</li> <li>Protect from heat.</li> <li>Protect against electrostatic charges.</li> <li>Protect against electrostatic charges.</li> <li>Protect against electrostatic charges.</li> <li>Protect against electrostatic charges.</li> <li>Protect minpact and friction.</li> <li>Use explosion-proof apparatus / fittings and spark-proof tools.</li> <li>Fumes can combine with air to form an explosive mixture.</li> <li>Wear shoes with conductive soles.</li> <li>Formation of flammable or explosive gas/air-mixtures is possible.</li> <li>Avoid open flames, sparks, direct sunlight and other sources of ignition.</li> <li>Keep ignition sources away - Do not smoke.</li> <li>Pay attention to the special requirements of your local autorithies for storing dangerous goods.</li> <li>Requirements to be met by storerooms and receptacle.</li> <li>Prevent any seepage into the ground.</li> <li>Use only in the original receptacle.</li> <li>Prevent any seepage into the ground.</li> <li>Use only receptacle specifically permitted for this substance/product.</li> <li>Information about storage in a collecting room is required.</li> <li>Protect from heat and direct sunlight.</li> <li>Protect from heat and direct sunlight.</li> <li>Protect from onteatination.</li> <li>Storage in a collecting room is required.</li> <li>Requirements of storage failed.</li> <li>Protect from ontaination.</li> <li>Storage in a collecting room is required.</li> <li>Protect from ontaination.</li> <li>Storage in a collecting room is required.</li> <li>Protect from c</li></ul>   |  |   |
| While using do not eat, drink or smoke.         Do not generate flames or sparks.         Keep product and emptide container away from heat and sources of ignition.         Avoid shock and friction.         Take precautionary measures against static discharges.         Protect from heat.         Protect from heat.         Protect dagainst electrostatic charges.         Protect against electrostatic charges.         Protect from heat.         Formes can combine with air to form an explosive mixture.         Image:         Vear shoes with conductive soles.         Formation of flammable or explosive gas/air-mixtures is possible.         Vear shoes with conductive soles.         Protect against electrostatic charges.         Pay attention to the special requirements of your local autorithies for storing dangerous goods.         Protect against electrostatic charges.         Protect against electrostatic charges.         Protect from theat.         Formation about storage election         Protect from charge prophace.<   |  |   |
| Do not generate flames or sparks.       Keep product and emplied container away from heat and sources of ignition.<br>Avoid shock and friction.<br>Take precautionary measures against static discharges.         • Information about fire - and<br>explosion protection:       Protect from heat.<br>Protect against electrostatic charges.<br>Protect from heat.<br>Protect against electrostatic charges.<br>Protect from heat.<br>Protect against electrostatic charges.<br>Protect from heat.<br>Protect against electrostatic charges.<br>Protect against electrostatic charges.<br>Protect from heat.<br>Protect from heat and friction.<br>Use explosion-proof apparatus / fittings and spark-proof tools.<br>Further information about storage in<br>one common storage facility<br>Protect from containe proxide together with heavy metal compounds and amines.<br>Storage in a receptacle.<br>Protect from heat and direct sunlight.<br>Protect from containnation.<br>Storage class:<br>Storage in a collecting                   |  |   |
| Keep product and emptied container away from heat and sources of ignition.         Avoid shock and friction.         Take precautionary measures against static discharges.         Pinter target productions         Protect from heat.         Protect from heat.         Protect against electrostatic charges.         Protect against electrostatic charges.         Protect against electrostatic charges.         Protect against electrostatic charges.         Protect from heat.         Protect against electrostatic charges.         Protect against electrostatic charges.         Protect against electrostatic charges.         Prevent impact and friction.         Use explosion-protection:         Vear shoes with conductive soles.         Furmation of flammable or explosive mixtures is possible.         Vear         Vear shoes with conductive soles.         Formation of flammable or explosive gas/air-mixtures is possible.         Vearge:       Pay attention to the special requirements of your local autorithies for storing dangerous goods.         * Storage:       Pay attention to the special requirements of your local autorithies for storing dangerous goods.         * revent any seepage into the ground.       Use only receptacle.         Prevent any seepage into the ground.       Use only receptacle specifically permitted for this substance/pro   |  |   |
| Avoid shock and friction.<br>Take precautionary measures against static discharges.<br>For the precautionary measures against static discharges.<br>Protect against electrostatic charges.<br>Protect from heat.<br>Protect against electrostatic charges.<br>Protect from heat.<br>Protect from heat.<br>Protect from heat.<br>Protect from heat.<br>Protect from heat.<br>Protect from heat.<br>Protect from heat and friction.<br>Use explosive mixture.<br>Protect from heat and friction.<br>Storage conditions for safe storage<br>Hoformation about storage in the original receptacle.<br>Prevent any seepage into the ground.<br>Use only receptacles specifically permitted for this substance/product.<br>Hoformation about storage in<br>execontinent storage facility<br>Protect from not storage proxide together with heavy metal compounds and amines.<br>Storage conditions:<br>Keep container tighty sealed.<br>Protect from heat and direct sunlight.<br>Protect from heat and direct sunlight.<br>Protect from heat and direct sunlight.<br>Protect from contamination.<br>Brotect from heat and direct sunlight.<br>Protect from heat and direct sunlight.<br>Protect from contamination.<br>Brotect from heat and direct sunlight.<br>Protect from contamination.<br>Brotect from heat and direct sunlight.<br>Protect from contamination.<br>Brotect from heat and direct sunlight.<br>Protect from heat and direct sunlight. |  |   |
| Information about fire - and explosion protection:       Protect from heat.<br>Protect against electrostatic charges.<br>Prevent impact and friction.<br>Use explosion-proof apparatus / fittings and spark-proof tools.<br>Fures can combine with air to form an explosive mixture.         Image: Protect against electrostatic charges.<br>Prevent impact and friction.<br>Use explosion-proof apparatus / fittings and spark-proof tools.<br>Fures can combine with air to form an explosive mixture.         Image: Protect against electrostatic charges.<br>Prevent impact and friction.<br>Use proof apparatus / fittings and spark-proof tools.<br>Fures can combine with air to form an explosive gas/air-mixtures is possible.<br>Formation of flammable or explosive gas/air-mixtures is possible.<br>Formation sources away - Do not smoke.         1.1 Conditions for safe storage,<br>Storage:       Information about storage,<br>Prevent any seepage into the special requirements of your local autorithies for storing dangerous goods.<br>Prevent any seepage into the ground.<br>Use only receptacles specifically permitted for this substance/product.<br>Use only receptacles specifically permitted for this substance/product.<br>Use only receptacles specifically permitted for this substance/product.<br>Storage conditions:<br>Further information about<br>storage conditions:<br>Protect from contamination.<br>Torotect from contamination.<br>Storage conditions:<br>Protect from contamination.<br>Burguire in a collecting room is required.<br>Protect from contamination.<br>Storage class:<br>Storage class:<br>Storage class:<br>Storage class:<br>Storage class:<br>Storage class:<br>Storage class:<br>Protect from contamination.<br>Storage class:<br>Storage class   |  |   |
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| temperature (To maintain<br>quality):       +5 +25 °C         • Storage class:       5.2         • 7.3 Specific end use(s)       No further relevant information available.  | · Recommended storage                            |   |
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| • 7.3 Specific end use(s) No further relevant information available.   |  |   |
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|  | <ul> <li>7.3 Specific end use(s)</li> </ul>      |   |
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Version: 6 (replaces version 5)

Revision: 15.02.2023

(Contd. of page 3)

## Trade name: PEROXAN BP-40 WS

| alues that require monitoring at the workplace:   |
|---|
| ide   |
| g-term value: 5 mg/m³   |
|   |
| g-term value: 10 mg/m <sup>3</sup>  |
|   |
| ride  |
| m System 2 mg/kg bw/day (General population)  |
| m System 13,3 mg/kg bw/day (Worker)   |
| m System 39 mg/m3 (Worker)  |
|   |
| m Local 56 mg/m3 (Worker)   |
|   |
|   |
| 0,001 mg/kg sed dw<br>0,00002 mg/l (AF 50)  |
| 0,0002 mg/ (AF 50)<br>0,013 mg/kg sed dw  |
| 0,35 mg/l   |
| 0,000002 mg/l (AF 500)  |
|   |
| 0,33 mg/kg sed dw (-)   |
| 0,885 mg/l (AF 1.000)   |
| 3,3 mg/kg sed dw (-)  |
| 0,141 mg/kg soil dw (-)   |
| 1.000 mg/l (AF 10)  |
| 0,088 mg/l (AF 10.000)  |
| The lists valid during the making were used as basis.   |
|   |
| ng<br>No further data; see section 7.   |
| neasures, such as personal protective equipment   |
| d   |
| The usual precautionary measures are to be adhered to when handling chemicals.  |
| Keep away from foodstuffs, beverages and feed.<br>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.<br>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.  |
| n: Not necessary if room is well-ventilated.  |
| Use suitable respiratory device when it exceed exposure limit and when insufficiently ventilated                                |
| Filter A2<br>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                               |
| degradation   |
| Protective gloves<br>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.   |
| quality and varies from manufacturer to manufacturer.<br>Butyl rubber, BR   |
| quality and varies from manufacturer to manufacturer.<br>Butyl rubber, BR<br>Fluorocarbon rubber (Viton)                        |
| quality and varies from manufacturer to manufacturer.<br>Butyl rubber, BR<br>Fluorocarbon rubber (Viton)<br>Nitrile rubber, NBR |
| quality and varies from manufacturer to manufacturer.<br>Butyl rubber, BR<br>Fluorocarbon rubber (Viton)                        |
|   |





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|   |                                       | (Contd. of pa  |
|---|---------------------------------------|--|
| · Eye/face protection   | Tightly sealed goggles                |  |
| · Body protection:  |                                       |  |
|   | Protective work clothing              |  |
|   |                                       |  |
| SECTION 9: Physical and o   | chemical properties                   |  |
| 9.1 Information on basic phys   | ical and chemical properties          |  |
| · Colour:   |                                       | White  |
| Odour:  |                                       | Characteristic   |
| Odour threshold:  |                                       | Not determined.  |
| · Melting point/freezing point  |                                       | Not applicable.  |
| · Boiling point or initial boilin   | g point and boiling range             | Not applicable.  |
| Flammability  | Res 14                                | Not applicable.  |
| · Lower and upper explosion   | limit                                 | Not determined   |
| · Lower:<br>· Upper:  |                                       | Not determined.<br>Not determined.   |
| Flash point:  |                                       | Not determined.  |
| · Decomposition temperature   | :                                     | > +60 °C (SADT)  |
| · pH  |                                       | Not determined.  |
| · Viscosity:  |                                       |  |
| <ul> <li>Kinematic viscosity</li> </ul>   |                                       | Not determined.  |
| Dynamic:  |                                       | Not determined.  |
| · Solubility  |                                       |  |
| water:  |                                       | Undetermined.  |
| Partition coefficient n-octan   | ol/water (log value)                  | not determined   |
| · Vapour pressure:  | i <b>4</b>                            | Not determined.  |
| <ul> <li>Density and/or relative dens</li> <li>Density:</li> </ul>                                  | ity                                   | Not determined.  |
| · Relative density  |                                       | Not determined.  |
| · Vapour density  |                                       | Not determined.  |
| 9.2 Other information   |                                       |  |
| · Appearance:   |                                       |  |
| · Form:   | A star of he slate and succession and | Suspension   |
|   | ptection of health and environment,   |  |
| and on safety.<br>· Ignition temperature:   |                                       | Product is not selfigniting.   |
| · Explosive properties:   |                                       | Product is not senigriting.<br>Product does not present an explosion hazard. |
| · Change in condition   |                                       | r roudet dood het prosont all explosion nazara.                              |
| · Evaporation rate  |                                       | Not determined.  |
| Information with regard to pl   | aveical hazard classes                |  |
| · Explosives  | 1301001 1102010 0103303               | Void   |
| Flammable gases   |                                       | Void   |
| · Aerosols  |                                       | Void   |
| · Oxidising gases   |                                       | Void   |
| · Gases under pressure  |                                       | Void   |
| Flammable liquids   |                                       | Void   |
| Flammable solids  |                                       | Void   |
| Self-reactive substances and  | d mixtures                            | Void   |
| Pyrophoric liquids  |                                       | Void   |
| Pyrophoric solids     Solf-boating substances and   | 1 mixturos                            | Void<br>Void   |
| <ul> <li>Self-heating substances and<br/>Substances and mixtures w</li> </ul>                       | /hich emit flammable gases in         | VUIU   |
| contact with water  | nich ennt nannnable yases ill         | Void   |
| · Oxidising liquids   |                                       | Void   |
|   |                                       | Void   |
| Oxidising solids  |                                       | Heating may cause a fire.  |
| Oxidising solids<br>Organic peroxides   |                                       | <b>e</b> ,   |
| <ul> <li>Organic peroxides</li> <li>Corrosive to metals</li> </ul>                                  |                                       | Void   |
| <ul> <li>Organic peroxides</li> <li>Corrosive to metals</li> <li>Desensitised explosives</li> </ul> |                                       | Void<br>Void   |
| <ul> <li>Organic peroxides</li> <li>Corrosive to metals</li> </ul>                                  |                                       |  |

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**SECTION 10: Stability and reactivity**  10.1 Reactivity No further relevant information available. 10.2 Chemical stability Thermal decomposition / 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 selfaccelerating 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 Hydrocarbons, carbondioxide and -monoxid. products: 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.

| Acute      | Acute toxicity Dased of available data, the classification chiefia are not met.                  |       |  |
|------------|--|-------|--|
| · LD/LC    | · LD/LC50 values relevant for classification:  |       |  |
| 94-36-0    | ) dibenzoyl peroxide   |       |  |
| Oral       | LD50 >5.000 mg/kg (ratt  | us)   |  |
| 56-81-5    | 5 glycerol   |       |  |
| Oral       | LD50 12.600 mg/kg (ratt  | us)   |  |
| Dermal     | LD50 >18.700 mg/kg (ra   | bbit) |  |
| · Skin c   | Skin corrosion/irritation Based on available data, the classification criteria are not met.      |       |  |
| · Seriou   | · 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.       |       |  |
| · Carcin   | • Carcinogenicity Based on available data, the classification criteria are not met.              |       |  |
| · Repro    | • <b>Reproductive toxicity</b> Based on available data, the classification criteria are not met. |       |  |
| · STOT-    | • STOT-single exposure Based on available data, the classification criteria are not met.         |       |  |
| · STOT-    | • STOT-repeated exposure Based on available data, the classification criteria are not met.       |       |  |
| · Aspira   | • Aspiration hazard Based on available data, the classification criteria are not met.            |       |  |
| · 11.2 Inf | formation on other hazar   | ds    |  |
| · Endoc    | rine disrupting propertie  | S     |  |
| None of    | None of the ingredients is listed.   |       |  |
|            |  |       |  |

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

| · 12.1 Toxici | ty   |  |  |  |
|---------------|--|--|--|--|
| · Aquatic to  | · Aquatic toxicity:                              |  |  |  |
|               | enzoyl peroxide                                  |  |  |  |
| EC50 / 72h    | 0,0711 mg/l (pseudokirchneriella subcapitata)    |  |  |  |
| LC50 / 96h    | 0,0602 mg/l (oncorhynchus mykiss)                |  |  |  |
| EC50 / 48h    | EC50 / 48h 110 mg/l (daphnia)                    |  |  |  |
| 9014-85-1 E   | thoxylated-2,4,7,9-tetramethyl-5-decyne-4,7-diol |  |  |  |
| LC50 / 96h    | 52 mg/l (fish)                                   |  |  |  |
| LC50 / 48h    | LC50 / 48h 166 mg/l (daphnia)                    |  |  |  |
|               | (Contd. on page 7)                               |  |  |  |

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|                              | tence and degrada<br>elimination: | inity   |                 |
|------------------------------|-----------------------------------|---|-----------------|
| · Classifica                 | tion:                             |   |                 |
| 94-36-0 dib                  | enzoyl peroxide                   |   |                 |
| Degradation                  | n (Readily biodegra               | adable) (OECD 301 D)  |                 |
| 56-81-5 gly                  | cerol                             |   |                 |
| Degradation                  | n (Readily biodegra               | idable)   |                 |
| 9014-85-1 E                  | Ethoxylated-2,4,7,9-              | -tetramethyl-5-decyne-4,7-diol  |                 |
| Degradatior                  | Not readily biode                 | gradable)   |                 |
| 12.3 Bioaco                  | cumulative potentia               | al  |                 |
| · Partition                  | coefficient: nOctan               | nol/water: [Log Kow]  |                 |
| 94-36-0                      | dibenzoyl peroxide                |   | 3,2 (20 °C)     |
| 56-81-5                      | glycerol                          |   | -1,75 (25°C)    |
| 9014-85-1                    | Ethoxylated-2,4,7,9               | 9-tetramethyl-5-decyne-4,7-diol   | 1,8 - 2,5 (21°C |
| 61791-12-6                   | Castor oil, ethoxyla              | ated  | 4,3 (25°C)      |
| 12.4 Mobili                  |                                   | No further relevant information available.  |                 |
|                              | s of PBT and vPvB                 | 3 assessment  |                 |
| · PBT:                       |                                   | The substances in the mixture do not meet the PBT/vPvB criteria according to REA                                    |                 |
| · vPvB:                      |                                   |   | CH, annex XIII. |
|                              | rine disrupting                   | <b>-</b>  |                 |
| properties                   | advaraa offaata                   | The product does not contain substances with endocrine disrupting properties.                                       |                 |
| · 12.7 Other adverse effects |                                   | Very toxic for fish   |                 |
| · Romark                     | ecological informa                |   |                 |
| Remark:     Additional       |                                   | Also poisonous for fish and plankton in water bodies.   |                 |
|                              | otes:                             |   |                 |
| · Additional                 | otes:                             | Very toxic for aquatic organisms  |                 |
| · Additional                 | otes:                             | Very toxic for aquatic organisms<br>Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water |                 |
| · Additional                 | otes:                             | Very toxic for aquatic organisms  |                 |

· 13.1 Waste treatment methods · Recommendation



system.

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

· 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<br>· ADR, IMDG, IATA | UN3109  |
|--|---|
| 14.2 UN proper shipping name                       |   |
| ADR  | UN3109 ORGANIC PEROXIDE TYPE F, LIQUID (DIBENZOYL<br>PEROXIDE), ENVIRONMENTALLY HAZARDOUS |
| ·IMDG  | ORGANIC PEROXIDE TYPE F, LIQUID (DIBENZOYL PEROXIDE),<br>MARINE POLLUTANT                 |
|  | ORGANIC PEROXIDE TYPE F, LIQUID (DIBENZOYL PEROXIDE)                                      |
| · 14.3 Transport hazard class(es)                  |   |
| ADR  |   |
|  |   |
| Class  | 5.2 (P1) Organic peroxides.   |
|  | (Contd. on page a   |

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|  | (Contd. of page  |
|--|--|
| · Label  | 5.2  |
| IMDG   |  |
|  |  |
| · Class<br>· Label                                     | 5.2 Organic peroxides.<br>5.2  |
| IATA   | 0.2  |
|  |  |
| · Class  | 5.2 Organic peroxides.   |
| · Label  | 5.2  |
| 14.4 Packing group                                     |  |
| ADR, IMDG, IATA  | Void   |
| 14.5 Environmental hazards:                            | Product contains environmentally hazardous substances: DIBENZOYL<br>PEROXIDE       |
| Marine pollutant:                                      | Yes<br>Symbol (fish and tree)  |
| Special marking (ADR):                                 | Symbol (fish and tree)   |
| 14.6 Special precautions for user                      | Warning: Organic peroxides.  |
| Hazard identification number (Kemler code):            | •  |
| Stowage Category                                       | D  |
| Stowage Code<br>Segregation Code                       | SW1 Protected from sources of heat.  |
| · Segregation Code                                     | SG35 Stow "separated from" SGG1-acids<br>SG36 Stow "separated from" SGG18-alkalis. |
|  | SG72 See 7.2.6.3.2.  |
| 14.7 Maritime transport in bulk according to IMO instr | uments Not applicable.   |
| Transport/Additional information:                      |  |
| ADR  |  |
| · Limited quantities (LQ)                              | 125 ml   |
| Excepted quantities (EQ)                               | Code: E0<br>Not permitted as Excepted Quantity                                     |
| · Transport category                                   | 2  |
| · Tunnel restriction code                              | D  |
| · RID / GGVSEB:  | like ADR   |
| IMDG   |  |
| · Limited quantities (LQ)                              | 125 ml   |
| · Excepted quantities (EQ)                             | Code: E0   |
|  | Not permitted as Excepted Quantity   |

### **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     Seveso category | None of the ingredients is listed.<br>P6b SELF-REACTIVE SUBSTANCES AND MIXTURES and ORGANIC PEROXIDES<br>E1 Hazardous to the Aquatic Environment |
|---|--|
| · Qualifying quantity (tonnes) for  |  |
| the application of lower-tier   |  |
| requirements  | 50 t   |
| <ul> <li>Qualifying quantity (tonnes) for</li> </ul>                                |  |
| the application of upper-tier   |  |
| requirements  | 200 t  |
| · REGULATION (EC) No  |  |
| 1907/2006 ANNEX XVII  | Conditions of restriction: 3   |
| · DIRECTIVE 2011/65/EU on the re<br>II  | estriction of the use of certain hazardous substances in electrical and electronic equipment – Annex   |
| None of the ingredients is listed.  |  |

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| <b>REGULATION (EU) 2019/1148</b>            | (Contd. of page  |
|---|--|
|   | DSIVES 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   |
| None of the ingredients is listed.          |  |
| Regulation (EC) No 111/2005  <br>precursors | aying down rules for the monitoring of trade between the Community and third countries in drug   |
| None of the ingredients is listed.          |  |
| SECTION 16: Other informa                   | tion   |
|   | present knowledge. However, this shall not constitute a guarantee for any specific product features and sha  |
| Department issuing SDS:<br>Contact:         | Environment protection / Security of labour<br>Tel: +49 2871 9902-0  |
|   | E-mail: mail@pergan.com  |
| Version number of previous version:         | 5  |
| Abbreviations and acronyms:                 | ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International<br>Carriage of Dangerous Goods by Road)<br>IMDG: International Maritime Code for Dangerous Goods<br>IATA: International Air Transport Association<br>GHS: Globally Harmonised System of Classification and Labelling of Chemicals |

 \* Data compared to the previous version altered.

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