

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## BPO-Paste Weiss

|         |         |                |                                 |
|---------|---------|----------------|---------------------------------|
| Version |         | Revision Date: | Date of last issue: 13.07.2022  |
| 1.1     | DE / EN | 18.09.2023     | Date of first issue: 13.07.2022 |

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

#### 1.1 Product identifier

Trade name : BPO-Paste Weiss  
Product code : 124.640

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Sub-stance/Mixture : Curing chemical  
Recommended restrictions on use : Industrial use, professional use

#### 1.3 Details of the supplier of the safety data sheet

Company : A.Förster & Co.KG  
Esinger Steinweg 50  
25436 Uetersen  
Germany  
info@foerster-co.de  
Telephone : 04122-3682  
Responsible Department : Laboratory  
04122-3682  
info@foerster-co.de

#### 1.4 Emergency telephone

Telephone : Giftinformationszentrum (GIZ)-Nord,  
Göttingen, Deutschland  
0551 19240

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### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification (REGULATION (EC) No 1272/2008)

|  |  |
|--|--|
| Organic peroxides, Type E                                      | H242: Heating may cause a fire.  |
| Eye irritation, Category 2                                     | H319: Causes serious eye irritation.                                     |
| Skin sensitization, Category 1                                 | H317: May cause an allergic skin reaction.                               |
| Specific target organ toxicity - repeated exposure, Category 2 | H373: May cause damage to organs through prolonged or repeated exposure. |
| Short-term (acute) aquatic hazard, Category 1                  | H400: Very toxic to aquatic life.  |
| Long-term (chronic) aquatic hazard, Category 1                 | H410: Very toxic to aquatic life with long lasting effects.              |

#### 2.2 Label elements

##### Labeling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal Word : Warning

Hazard Statements : H242 Heating may cause a fire.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H373 May cause damage to organs through prolonged or repeated exposure.  
H410 Very toxic to aquatic life with long lasting effects.

Precautionary Statements : P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.

##### Prevention:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P220 Keep/Store away from clothing/ strong acids, bases, heavy metal salts and other reducing substances /combustible materials.  
P234 Keep only in original packaging.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

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### Response:

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P314 Get medical advice/ attention if you feel unwell.

### Storage:

P403 + P235 Store in a well-ventilated place. Keep cool.

P410 Protect from sunlight.

### Disposal:

P501 Dispose of contents/ container to an approved facility in accordance with local, regional, national and international regulations.

### Hazardous ingredients which must be listed on the label:

dibenzoyl peroxide

dibutyl maleate

### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

Chemical nature : Mixture  
contains  
Organic Peroxide

#### Components

| Chemical name      | CAS-No.<br>EC-No.<br>Index-No.<br>Registration number    | Classification  | Concentration<br>(% w/w) |
|--------------------|--|---|--------------------------|
| dibenzoyl peroxide | 94-36-0<br>202-327-6<br>617-008-00-0<br>01-2119511472-50 | Org. Perox. B; H241<br>Eye Irrit. 2; H319<br>Skin Sens. 1; H317<br>Aquatic Acute 1; | >= 49 - <= 51            |

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|                 |   |  |               |
|-----------------|---|--|---------------|
|                 |   | H400<br>Aquatic Chronic 1;<br>H410   |               |
|                 |   | M-Factor (Acute aquatic toxicity): 10<br>M-Factor (Chronic aquatic toxicity): 10 |               |
| dibutyl maleate | 105-76-0<br>203-328-4<br>01-2119523581-45 | Skin Sens. 1B; H317<br>STOT RE 2; H373<br>Aquatic Acute 1;<br>H400               | >= 20 - <= 25 |
|                 |   | M-Factor (Acute aquatic toxicity): 1   |               |

For explanation of abbreviations see section 16.

### SECTION 4: First aid measures

#### 4.1 Description of first-aid measures

- General advice : In the case of accident or if you feel unwell, seek medical advice immediately.  
Move out of dangerous area.  
Take off contaminated clothing and shoes immediately.  
Show this material safety data sheet to the doctor in attendance.  
First aider needs to protect himself.
- If inhaled : Move to fresh air.  
Get medical attention.
- In case of skin contact : Wash off immediately with soap and plenty of water.  
Call a physician if irritation persists.
- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.  
Keep eye wide open while rinsing.  
Remove contact lenses.  
Consult a physician.
- If swallowed : Rinse mouth with water.  
Do NOT induce vomiting.  
Call a physician immediately.

#### 4.2 Most important symptoms and effects, both acute and delayed

- Risks : May cause an allergic skin reaction.  
Causes serious eye irritation.  
May cause damage to organs through prolonged or repeated exposure.

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### 4.3 Indication of any immediate medical attention and special treatment needed

Treatment : Treat symptomatically.

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## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media : Carbon dioxide (CO<sub>2</sub>)  
Dry powder  
Water spray jet  
Alcohol-resistant foam

Unsuitable extinguishing media : High volume water jet

### 5.2 Special hazards arising from the substance or mixture

Specific hazards during fire fighting : Hazardous decomposition products formed under fire conditions.

### 5.3 Advice for firefighters

Special protective equipment for fire-fighters : Wear self-contained breathing apparatus and protective suit.

Further information : Use water spray to cool unopened containers.  
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

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## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Wear personal protective equipment.  
Evacuate personnel to safe areas.  
Ensure adequate ventilation, especially in confined areas.  
Remove all sources of ignition.  
Do not smoke.  
Avoid contact with skin, eyes and clothing.  
In the case of vapor formation use a respirator with an approved filter.

### 6.2 Environmental precautions

Environmental precautions : Do not flush into surface water or sanitary sewer system.  
Local authorities should be advised if significant spillages cannot be contained.

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### 6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  
Keep in suitable, closed containers for disposal.  
Do not flush with water.

### 6.4 Reference to other sections

For personal protection see section 8., For disposal considerations see section 13.

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Technical measures : Ensure that eyewash stations and safety showers are close to the workstation location.

Advice on safe handling : Use only with adequate ventilation.  
Provide sufficient air exchange and/or exhaust in work rooms.  
Wear personal protective equipment.  
Keep away from heat and sources of ignition.  
Handle and open container with care.  
Keep container tightly closed and dry.  
Never return unused material to storage receptacle.  
Risk of decomposition.  
Prevent contamination with readily oxidizable materials and polymerization accelerators.  
Avoid inhalation of vapor or mist.  
In case of insufficient ventilation, wear suitable respiratory equipment.  
Avoid release to the environment.

Advice on protection against fire and explosion : Normal measures for preventive fire protection. Keep away from open flames, hot surfaces and sources of ignition. Keep away from direct sunlight. Avoid shock and friction. Take measures to prevent the build up of electrostatic charge. Use explosion-proof equipment.

### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Store in original container. Avoid letting the product become dry. Keep containers tightly closed in a cool, well-ventilated place. Store between 41 and 77 °F in a dry, well ventilated place away from sources of heat, ignition and direct sunlight.

Advice on common storage : Keep away from food, drink and animal feedingstuffs.  
Keep away from reducing agents.  
Incompatible with acids and bases.  
Heavy metal compounds

Storage class (TRGS 510) : 5.2

### 7.3 Specific end use(s)

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Specific use(s) : No data available  
The rules which cover amongst other things the requirement for ventilation, protective clothing, personal protective equipment etc. can be obtained from the National Occupational Health and Safety Board.

### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

##### Occupational Exposure Limits

| Components                 | CAS-No. | Value type (Form of exposure) | Control parameters  | Basis       |
|----------------------------|---------|-------------------------------|---------------------|-------------|
| dibenzoyl peroxide         | 94-36-0 | AGW (Inhalable fraction)      | 5 mg/m <sup>3</sup> | DE TRGS 900 |
| Peak-limit category: 1;(l) |         |                               |                     |             |

##### Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

| Substance name     | End Use   | Routes of exposure | Potential health effects   | Value                  |
|--------------------|-----------|--------------------|----------------------------|------------------------|
| dibenzoyl peroxide | Consumers | Oral               | Long-term systemic effects | 2 mg/kg bw/day         |
|                    | Workers   | Dermal             | Long-term systemic effects | 13,3 mg/kg bw/day      |
|                    | Workers   | Inhalation         | Long-term systemic effects | 39 mg/m <sup>3</sup>   |
| dibutyl maleate    | Workers   | Inhalation         | Long-term systemic effects | 5,87 mg/m <sup>3</sup> |
|                    |           | Skin contact       | Long-term systemic effects | 0,42 mg/kg             |
|                    | Consumers | Ingestion          | Acute systemic effects     | 0,5 mg/kg              |
|                    | Consumers | Ingestion          | Long-term systemic effects | 0,25 mg/kg             |

##### Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

| Substance name     | Environmental Compartment    | Value                           |
|--------------------|------------------------------|---------------------------------|
| dibenzoyl peroxide | Fresh water                  | 0,00002 mg/l                    |
|                    | Intermittent use/release     | 0,000602 mg/l                   |
|                    | Sea water                    | 0,000002 mg/l                   |
|                    | Fresh water sediment         | 0,0127 mg/kg dry weight (d.w.)  |
|                    | Sea sediment                 | 0,00127 mg/kg dry weight (d.w.) |
|                    | Soil                         | 0,0025 mg/kg dry weight (d.w.)  |
|                    | Sewage treatment plant (STP) | 0,35 mg/l                       |
| dibutyl maleate    | Fresh water                  | 0,0012 mg/l                     |
|                    | Sea water                    | 0,00012 mg/l                    |
|                    | Intermittent use/release     | 0,012 mg/l                      |
|                    | Sewage treatment plant (STP) | 4,886 mg/l                      |

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|  |                            |              |
|--|----------------------------|--------------|
|  | Fresh water sediment       | 0,06 mg/kg   |
|  | Sea sediment               | 0,006 mg/kg  |
|  | Soil                       | 0,0155 mg/kg |
|  | Oral (Secondary Poisoning) | 6,33 mg/kg   |

### 8.2 Exposure controls

#### Personal protective equipment

Eye/face protection : Safety glasses with side-shields conforming to EN166

#### Hand protection

Material : Nitrile rubber  
Break through time : > 30 min  
Glove thickness :  $\geq 0,14$  mm  
Directive : DIN EN 374  
Protective index : Class 2

Remarks : Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. The data about break through time/strength of material are standard values! The exact break through time/strength of material has to be obtained from the producer of the protective glove. The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other.

Skin and body protection : Please wear suitable protective clothing, e.g. made of cotton or heat-resistant synthetic fibres.  
Long sleeved clothing

Respiratory protection : Apply technical measures to comply with the occupational exposure limits.  
When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Protective measures : When using do not eat, drink or smoke.  
Ensure that eye flushing systems and safety showers are located close to the working place.  
Avoid contact with the skin and the eyes.  
Use only with adequate ventilation.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state : paste  
Color : white  
Odor : slight  
Melting point/range : Decomposition



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|  |  |
|--|--|
| Boiling point/boiling range                        | : Decomposition  |
| Upper explosion limit / Upper flammability limit   | : No data available  |
| Lower explosion limit / Lower flammability limit   | : No data available  |
| Flash point  | : Not applicable, Decomposition                              |
| Self-Accelerating decomposition temperature (SADT) | : 50 °C  |
| pH   | : Not applicable substance/mixture is non-soluble (in water) |
| Viscosity  |  |
| Viscosity, dynamic                                 | : not determined   |
| Viscosity, kinematic                               | : not determined   |
| Solubility(ies)                                    |  |
| Water solubility                                   | : (20 °C)<br>insoluble                                       |
| Partition coefficient: n-octanol/water             | : No data available  |
| Vapor pressure                                     | : Not applicable   |
| Density  | : No data available  |

### 9.2 Other information

|                          |   |
|--------------------------|---|
| Oxidizing properties     | : Organic peroxide<br>Sustains combustion   |
| Organic peroxides        | : Peroxide content: 50 %<br>The substance or mixture is an organic peroxide classified as type E. |
| Available oxygen content | : 3,31 %  |

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No decomposition if used as directed.

### 10.2 Chemical stability

No decomposition if stored and applied as directed.

### 10.3 Possibility of hazardous reactions

|                     |                          |
|---------------------|--------------------------|
| Hazardous reactions | : Risk of decomposition. |
|---------------------|--------------------------|

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Reacts violently in contact with acids, amines, driers, polymerization accelerators and easily oxidized materials.

### 10.4 Conditions to avoid

Conditions to avoid : Do not expose to temperatures above: > 25 °C  
Extremes of temperature and direct sunlight.  
Keep away from heat and sources of ignition.  
Contact with incompatible substances can cause decomposition at or below SADT.

### 10.5 Incompatible materials

Materials to avoid : Accelerators, strong acids and bases, heavy metals and heavy metal salts, reducing agents

### 10.6 Hazardous decomposition products

Irritant, caustic, flammable, noxious/toxic gases and vapours can develop in the case of fire and decomposition

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## SECTION 11: Toxicological information

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

#### Acute toxicity

Not classified based on available information.

#### Components:

##### **dibenzoyl peroxide:**

Acute oral toxicity : LD50 Oral (Rat): > 2.000 mg/kg

Acute inhalation toxicity : LC0 (Rat): > 24,3 mg/l  
Exposure time: 4 h

##### **dibutyl maleate:**

Acute oral toxicity : LD50 Oral (Rat): >= 3.730 mg/kg

Acute inhalation toxicity : LC50 (Rat): > 5 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: OECD Test Guideline 403

Acute dermal toxicity : LD50 Dermal (Rat): > 2.000 mg/kg  
Method: OECD Test Guideline 402

#### **Skin corrosion/irritation**

Not classified based on available information.

#### **Serious eye damage/eye irritation**

Causes serious eye irritation.

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### Respiratory or skin sensitization

#### Skin sensitization

May cause an allergic skin reaction.

#### Respiratory sensitization

Not classified based on available information.

#### Components:

##### dibutyl maleate:

Routes of exposure : Skin contact  
Species : Guinea pig  
Assessment : The product is a skin sensitizer, sub-category 1B.  
Method : OECD Test Guideline 406  
Result : positive

### Germ cell mutagenicity

Not classified based on available information.

### Carcinogenicity

Not classified based on available information.

### Reproductive toxicity

Not classified based on available information.

### STOT-single exposure

Not classified based on available information.

### STOT-repeated exposure

May cause damage to organs through prolonged or repeated exposure.

#### Components:

##### dibutyl maleate:

Assessment : May cause damage to organs through prolonged or repeated exposure.

### Aspiration toxicity

Not classified based on available information.

## 11.2 Information on other hazards

### Endocrine disrupting properties

#### Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

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### SECTION 12: Ecological information

#### 12.1 Toxicity

##### Components:

##### **dibenzoyl peroxide:**

- Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 0,0602 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203
- NOEC (Oncorhynchus mykiss (rainbow trout)): 0,0316 mg/l  
Exposure time: 96 h
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0,11 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202
- NOEC (Daphnia magna (Water flea)): 0,076 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202
- Toxicity to algae/aquatic plants : EC50 (Pseudokirchneriella subcapitata (microalgae)): 0,0711 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201
- NOEC (Pseudokirchneriella subcapitata (green algae)): 0,02 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201
- M-Factor (Acute aquatic toxicity) : 10
- Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : EC10: 0,001 mg/l  
Exposure time: 21 d  
Species: Daphnia magna (Water flea)  
Method: OECD Test Guideline 211
- M-Factor (Chronic aquatic toxicity) : 10

##### **dibutyl maleate:**

- Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 0,6 mg/l  
End point: mortality  
Exposure time: 96 h  
Method: OECD Test Guideline 203
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 21 mg/l  
End point: Immobilization  
Exposure time: 48 h

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Method: OECD Test Guideline 202

Toxicity to algae/aquatic plants : EC50 (Desmodesmus subspicatus (green algae)): 6,2 mg/l  
End point: Biomass  
Exposure time: 72 h  
Method: OECD Test Guideline 201

NOEC (Desmodesmus subspicatus (green algae)): 4,2 mg/l  
End point: Biomass  
Exposure time: 72 h  
Method: OECD Test Guideline 201

M-Factor (Acute aquatic toxicity) : 1

Toxicity to microorganisms : EC50 (Bacteria): 488,6 mg/l  
Exposure time: 3 h  
Method: OECD Test Guideline 209

### 12.2 Persistence and degradability

#### Components:

##### **dibenzoyl peroxide:**

Biodegradability : Result: Readily biodegradable.  
Biodegradation: 71 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301D

##### **dibutyl maleate:**

Biodegradability : Result: Readily biodegradable.

### 12.3 Bioaccumulative potential

#### Components:

##### **dibenzoyl peroxide:**

Partition coefficient: n-octanol/water : log Pow: 3,2 (20 °C)

##### **dibutyl maleate:**

Partition coefficient: n-octanol/water : log Pow: 3,39 (25 °C)  
pH: 7

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

#### Product:

Assessment : This substance/mixture contains no components considered

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to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### 12.6 Endocrine disrupting properties

**Product:**

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### 12.7 Other adverse effects

**Product:**

Additional ecological information : No data available

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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : Do not mix waste streams during collection.  
Do not dispose of with domestic refuse.  
Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.  
Dispose of in accordance with local regulations.

Contaminated packaging : Packaging that is not properly emptied must be disposed of as the unused product.  
Dispose of in accordance with local regulations.

Waste Code : The following Waste Codes are only suggestions:  
16 05 06, laboratory chemicals, consisting of or containing hazardous substances, including mixtures of laboratory chemicals  
16 09 03, peroxides, for example hydrogen peroxide

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## SECTION 14: Transport information

### 14.1 UN number or ID number

**ADN** : UN 3108  
**ADR** : UN 3108  
**RID** : UN 3108  
**IMDG** : UN 3108  
**IATA** : UN 3108

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### 14.2 UN proper shipping name

**ADN** : ORGANIC PEROXIDE TYPE E, SOLID  
(ORGANIC PEROXIDE TYPE B, SOLID (DIBENZOYL PEROXIDE))

**ADR** : ORGANIC PEROXIDE TYPE E, SOLID  
(ORGANIC PEROXIDE TYPE B, SOLID (DIBENZOYL PEROXIDE))

**RID** : ORGANIC PEROXIDE TYPE E, SOLID  
(ORGANIC PEROXIDE TYPE B, SOLID (DIBENZOYL PEROXIDE))

**IMDG** : ORGANIC PEROXIDE TYPE E, SOLID  
(ORGANIC PEROXIDE TYPE B, SOLID (DIBENZOYL PEROXIDE))

**IATA** : Organic peroxide type E, solid  
(ORGANIC PEROXIDE TYPE B, SOLID (DIBENZOYL PEROXIDE))

### 14.3 Transport hazard class(es)

|             | Class | Subsidiary risks |
|-------------|-------|------------------|
| <b>ADN</b>  | : 5.2 |                  |
| <b>ADR</b>  | : 5.2 |                  |
| <b>RID</b>  | : 5.2 |                  |
| <b>IMDG</b> | : 5.2 |                  |
| <b>IATA</b> | : 5.2 | HEAT             |

### 14.4 Packing group

**ADN**  
Packing group : Not assigned by regulation  
Classification Code : P1  
Labels : 5.2

**ADR**  
Packing group : Not assigned by regulation  
Classification Code : P1  
Labels : 5.2  
Tunnel restriction code : (D)

**RID**  
Packing group : Not assigned by regulation  
Classification Code : P1  
Hazard Identification Number : 539  
Labels : 5.2

**IMDG**  
Packing group : Not assigned by regulation  
Labels : 5.2  
EmS Code : F-J, S-R

**IATA (Cargo)**

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Packing instruction (cargo aircraft) : 570  
Packing group : Not assigned by regulation  
Labels : Organic Peroxides, Keep Away From Heat

### IATA (Passenger)

Packing instruction (passenger aircraft) : 570  
Packing group : Not assigned by regulation  
Labels : Organic Peroxides, Keep Away From Heat

### 14.5 Environmental hazards

#### ADN

Environmentally hazardous : no

#### ADR

Environmentally hazardous : no

#### RID

Environmentally hazardous : no

#### IMDG

Marine pollutant : no

### 14.6 Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

### 14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

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## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII) : Conditions of restriction for the following entries should be considered:  
Number on list 75  
If you intend to use this product as tattoo ink, please contact your vendor.

REACH - Candidate List of Substances of Very High Concern for Authorization (Article 59). : Not applicable

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not applicable

Regulation (EU) 2019/1021 on persistent organic pollutants (recast) : Not applicable



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according to Regulation (EC) No. 1907/2006



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REACH - List of substances subject to authorisation (Annex XIV) : Not applicable

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances. P6b SELF-REACTIVE SUBSTANCES AND MIXTURES and ORGANIC PEROXIDES

E1 ENVIRONMENTAL HAZARDS

Water hazard class (Germany) : WGK 2 obviously hazardous to water  
Classification according to AwSV, Annex 1 (5.2)

### Other regulations:

Gefahrengruppe nach § 3 BGV B4: II (German regulatory requirements)

BG-Merkblatt M001 beachten (German regulatory requirements)  
BGV B4 organische Peroxide. (German regulatory requirements)

The product is subject to the supply restrictions of the Ordinance on the Prohibition of Chemicals.  
§ 5Abs. 4b : Derogation according to the Ordinance on the Prohibition of Chemicals (ChemVerbotsV)

The product is subject to the supply restrictions of the Ordinance on the Prohibition of Chemicals.

Take note of Directive 94/33/EC on the protection of young people at work or stricter national regulations, where applicable.

### 15.2 Chemical Safety Assessment

A chemical safety assessment according to (EC) regulation 1907/2006 (REACH) has not been carried out for this product.

## SECTION 16: Other information

### Full text of H-Statements

H241 : Heating may cause a fire or explosion.  
H317 : May cause an allergic skin reaction.  
H319 : Causes serious eye irritation.  
H373 : May cause damage to organs through prolonged or repeated exposure.  
H400 : Very toxic to aquatic life.  
H410 : Very toxic to aquatic life with long lasting effects.

### Full text of other abbreviations

Aquatic Acute : Short-term (acute) aquatic hazard  
Aquatic Chronic : Long-term (chronic) aquatic hazard

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Eye Irrit. : Eye irritation  
Org. Perox. : Organic peroxides  
Skin Sens. : Skin sensitization  
STOT RE : Specific target organ toxicity - repeated exposure  
DE TRGS 900 : Germany. TRGS 900 - Occupational exposure limit values.  
DE TRGS 900 / AGW : Time Weighted Average

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

### Further information

#### Classification of the mixture:

Org. Perox. E H242  
Eye Irrit. 2 H319  
Skin Sens. 1 H317  
STOT RE 2 H373  
Aquatic Acute 1 H400  
Aquatic Chronic 1 H410

#### Classification procedure:

Based on product data or assessment  
Calculation method  
Calculation method  
Calculation method  
Calculation method  
Calculation method

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