SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier
Product name: Duracryl plv. Duracryl Plus plv.

1.2. Relevant identified uses of the substance or mixture and uses advised against
Relevant identified uses
Main use category: Professional use
Function or use category: Dental materials

Uses advised against
No additional information available

1.3. Details of the supplier of the safety data sheet
Supplier
Kerr Italia S.r.l.
Via Passanti, 332
84018 Scafati (SA) - Italy
T +39-081-850-8311
E-mail: safety@kerrhawe.com

Manufacturer
SpofaDental a.s.
Markova 238
CZ-506 46 Jicin Czech Republic
T +420 493 583 204

Contact person: safety@kerrhawe.com - tel. 00-800-41-050-505 (08.00-17.00)

1.4. Emergency telephone number
Emergency number: CHEMTREC® Emergency Call Center. Emergency Telephone Number (for USA only) 001-800-424-9300 International and Maritime Telephone Number +1 (703) 527-3867

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture
Classification according to Regulation (EC) No. 1272/2008 [CLP]
Skin Sens. 1 : H317
Aquatic Acute 1 : H400

Full text of hazard classes and H-statements: see section 16

2.2. Label elements
Labelling according to Regulation (EC) No. 1272/2008 [CLP]
Hazard pictograms (CLP):

Signal word (CLP): Warning
Hazardous ingredients: dibenzoyl peroxide, benzoyl peroxide
Hazard statements (CLP):
H317 - May cause an allergic skin reaction
H400 - Very toxic to aquatic life
Precautionary statements (CLP):
P261 - Avoid breathing dust
P273 - Avoid release to the environment
P280 - Wear protective gloves
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention
P362+P364 - Take off contaminated clothing and wash it before reuse
according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

2.3. Other hazards

Other hazards not contributing to the classification:

- None under normal conditions.

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII.
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance

Not applicable

3.2. Mixture

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>Classification according to Regulation (EC) No. 1272/2008 [CLP]</th>
</tr>
</thead>
<tbody>
<tr>
<td>dibenzoyl peroxide, benzoyl peroxide</td>
<td>(CAS No) 94-36-0 (EC no) 202-327-6 (EC index no) 617-008-00-0 (REACH-no) 01-2119511472-50</td>
<td>&lt; 5</td>
<td>Org. Perox. B, H241 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Acute 1, H400 (M=10)</td>
</tr>
<tr>
<td>inert or nuisance dust, inhalable substance with national workplace exposure limit(s) (GB)</td>
<td></td>
<td></td>
<td>Not classified</td>
</tr>
<tr>
<td>dust, respirable substance with national workplace exposure limit(s) (GB)</td>
<td></td>
<td></td>
<td>Not classified</td>
</tr>
</tbody>
</table>

Full text of H-statements: see section 16

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

- First-aid measures general: Never give anything by mouth to an unconscious person. In all cases of doubt, or when symptoms persist, seek medical attention.
- First-aid measures after inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
- First-aid measures after skin contact: Gently wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.
- First-aid measures after eye contact: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention if you feel unwell.
- First-aid measures after ingestion: If swallowed, rinse mouth with water (only if the person is conscious). Call a POISON CENTER or doctor/physician if you feel unwell.

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

- Symptoms/injuries after skin contact: May cause an allergic skin reaction.

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

- In all cases of doubt, or when symptoms persist, seek medical attention. Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

- Suitable extinguishing media: Use extinguishing media appropriate for surrounding fire. Foam, carbon dioxide (CO2) and powder.
- Unsuitable extinguishing media: Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

- Fire hazard: May ignite spontaneously if exposed to air.
- Explosion hazard: Dust may form explosive mixture in air.
- Hazardous decomposition products in case of fire: Carbon oxides (CO, CO2).

5.3. Advice for firefighters

- Firefighting instructions: Use water spray or fog for cooling exposed containers. Prevent fire fighting water from entering the environment.
- Protection during firefighting: Do not enter fire area without proper personal protective equipment, including respiratory protection.
SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

General measures: Use personal protective equipment as required. Avoid contact with skin and eyes. Avoid dust formation. Do not breathe dust.

For non-emergency personnel

Protective equipment: See Heading 8.

For emergency responders

No additional information available.

6.2. Environmental precautions

Discharging into rivers and drains is forbidden.

6.3. Methods and material for containment and cleaning up

For containment: Collect all waste in suitable and labelled containers and dispose according to local legislation.

Methods for cleaning up: Mechanically recover the product. Wash off with plenty of water.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Precautions for safe handling: Use personal protective equipment as required. Do not eat, drink or smoke when using this product. Avoid contact with skin and eyes. Avoid dust formation. Do not breathe dust. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Hygiene measures: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a dry place. Store in a closed container. Store in original container. Store in a well-ventilated place. Keep cool.

Storage temperature: < 25 °C

7.3. Specific end use(s)

No additional data.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

<table>
<thead>
<tr>
<th>Parameter</th>
<th>United Kingdom</th>
<th>United Kingdom</th>
<th>United Kingdom</th>
</tr>
</thead>
<tbody>
<tr>
<td>dormant or nuisance dust, inhalable</td>
<td>WEL STEL (mg/m³)</td>
<td>10 mg/m³</td>
<td></td>
</tr>
<tr>
<td>dust, respirable</td>
<td>WEL TWA (mg/m³)</td>
<td>4 mg/m³</td>
<td></td>
</tr>
<tr>
<td>Dibenzyloxy peroxide, benzoyl peroxide (94-36-0)</td>
<td>WEL TWA (mg/m³)</td>
<td></td>
<td>5 mg/m³</td>
</tr>
</tbody>
</table>

8.2. Exposure controls

Appropriate engineering controls: Ensure good ventilation of the work station.

Personal protective equipment: Gloves.

Hand protection: Wear suitable gloves. Chemical resistant PVC gloves (to European standard EN 374 or equivalent). Layer thickness: 0.09mm. Breakthrough time: >480 min.

Eye protection: In case of dust production: protective goggles. STANDARD EN 166

Skin and body protection: Wear suitable protective clothing.

Respiratory protection: Respiratory protection not applicable. Dust production: dust mask with filter type P2. Standard EN 149

Other information: Do not eat, drink or smoke during use.
SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Solid</td>
</tr>
<tr>
<td>Colour</td>
<td>According to product specification.</td>
</tr>
<tr>
<td>Odour</td>
<td>No data available</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative evaporation rate (butylacetate=1)</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point</td>
<td>No data available</td>
</tr>
<tr>
<td>Freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>No data available</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative vapour density at 20 °C</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>No data available</td>
</tr>
<tr>
<td>Solubility</td>
<td>No data available</td>
</tr>
<tr>
<td>Log Pow</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, dynamic</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Product is not explosive.</td>
</tr>
<tr>
<td>Explosive limits</td>
<td>No data available</td>
</tr>
</tbody>
</table>

9.2. Other information

**Additional information**

None to our knowledge.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

Once prepared, this mixture must be used as rapidly as possible to avoid solidification and risk of destruction of the handling equipment/tools.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Heat.

10.5. Incompatible materials

Organic peroxides.

10.6. Hazardous decomposition products

No decomposition if stored and used normally.

SECTION 11: TOXICOCHEMICAL INFORMATION

11.1. Information on toxicological effects

**Acute toxicity**

Not classified

Based on available data, the classification criteria are not met

<table>
<thead>
<tr>
<th>Compound</th>
<th>Classification</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>dibenzoyl peroxide, benzoyl peroxide (94-36-0)</td>
<td>Not classified</td>
<td>Dust from this product may cause eye irritation</td>
</tr>
</tbody>
</table>

**Skin corrosion/irritation**

Not classified

Based on available data, the classification criteria are not met

**Serious eye damage/irritation**

Not classified

**Respiratory or skin sensitisation**

May cause an allergic skin reaction.
Germ cell mutagenicity: Not classified
Based on available data, the classification criteria are not met

Carcinogenicity: Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity: Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure): Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure): Not classified
Based on available data, the classification criteria are not met

Aspiration hazard: Not classified
Based on available data, the classification criteria are not met

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity
Ecology - water: Very toxic to aquatic life.

dibenzoyl peroxide, benzoyl peroxide (94-36-0)
LC50 fish 1: 0.01 - 0.1 mg/l
EC50 Daphnia 1: 0.07 mg/l 48h (Daphnia magna)

12.2. Persistence and degradability
Duracryl plv. Duracryl Plus plv.
Persistence and degradability: Readily biodegradable.

dibenzoyl peroxide, benzoyl peroxide (94-36-0)
Persistence and degradability: Readily biodegradable.
Biodegradation: 84 % MITI-test

12.3. Bioaccumulative potential
Duracryl plv. Duracryl Plus plv.
Bioaccumulative potential: Bioaccumulation unlikely.

dibenzoyl peroxide, benzoyl peroxide (94-36-0)
Bioconcentration factor (BCF REACH): 5.62
Log Pow: 3.71

12.4. Mobility in soil
Duracryl plv. Duracryl Plus plv.
Ecology - soil: No data available.

12.5. Results of PBT and vPvB assessment
Duracryl plv. Duracryl Plus plv.
This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Other adverse effects
Other adverse effects: None to our knowledge.
Additional information: No other effects known

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods
Regional legislation (waste): Dispose as hazardous waste.
Waste treatment methods: Recover the product with absorbent material. Dispose of contents/container in accordance with licensed collector’s sorting instructions.
Waste disposal recommendations: Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials: Avoid release to the environment.
European List of Waste (LoW) code: 18 01 06* - chemicals consisting of or containing dangerous substances

SECTION 14: TRANSPORT INFORMATION

In accordance with ADR / RID / IMDG / IATA / ADN

<table>
<thead>
<tr>
<th>ADR</th>
<th>IMDG</th>
<th>IATA</th>
<th>RID</th>
</tr>
</thead>
<tbody>
<tr>
<td>3077</td>
<td>3077</td>
<td>3077</td>
<td>3077</td>
</tr>
</tbody>
</table>
according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

<table>
<thead>
<tr>
<th>ADR</th>
<th>IMDG</th>
<th>IATA</th>
<th>RID</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENVIROMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.</td>
<td>ENVIROMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.</td>
<td>Environmentally hazardous substance, solid, n.o.s.</td>
<td>ENVIROMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.</td>
</tr>
</tbody>
</table>

**Transport document description**

UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (dibenzoyl peroxide, benzoyl peroxide), 9, III, (E)

**14.3. Transport hazard class(es)**

<table>
<thead>
<tr>
<th>ADR</th>
<th>IMDG</th>
<th>IATA</th>
<th>RID</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>9</td>
<td>9</td>
<td>9</td>
</tr>
</tbody>
</table>

**14.4. Packing group**

<table>
<thead>
<tr>
<th>ADR</th>
<th>IMDG</th>
<th>IATA</th>
<th>RID</th>
</tr>
</thead>
<tbody>
<tr>
<td>III</td>
<td>III</td>
<td>III</td>
<td>III</td>
</tr>
</tbody>
</table>

**14.5. Environmental hazards**

Dangerous for the environment : Yes
Marine pollutant : Yes

No supplementary information available

**14.6. Special precautions for user**

- **Overland transport**

Classification code (ADR) : M7
Special provisions (ADR) : 274, 335, 601, 375
Limited quantities (ADR) : 5kg
Excepted quantities (ADR) : E1
Packing instructions (ADR) : P002, IBC08, LP02, R001
Special packing provisions (ADR) : PP12, B3
Mixed packing provisions (ADR) : MP10
Portable tank and bulk container instructions (ADR) : T1, BK1, BK2
Portable tank and bulk container special provisions (ADR) : TP33
Tank code (ADR) : SGAV, LGBV
Vehicle for tank carriage : AT
Transport category (ADR) : 3
Special provisions for carriage - Packages (ADR) : V13
Special provisions for carriage - Bulk (ADR) : VC1, VC2
Special provisions for carriage - Loading, unloading and handling (ADR) : CV13
Hazard identification number (Kemler No.) : 90
Orange plates : 90

Tunnel restriction code (ADR) : E
EAC code : 2Z

- **Transport by sea**

Special provisions (IMDG) : 274, 335, 966, 967, 969
Limited quantities (IMDG) : 5 kg
Excepted quantities (IMDG) : E1
Packing instructions (IMDG) : P002, LP02
Special packing provisions (IMDG) : PP12
IBC packing instructions (IMDG) : IBC08
IBC special provisions (IMDG) : B3
14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: REGULATORY INFORMATION

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

EU-Regulations
Contains no REACH substances with Annex XVII restrictions
Contains no substance on the REACH candidate list
Contains no REACH Annex XIV substances

National regulations

15.2. Chemical safety assessment
No chemical safety assessment has been carried out for the substance or the mixture by the supplier

SECTION 16: OTHER INFORMATION

Date of issue : 8/30/2016
Revision date : 8/30/2016
Date of total revision : 8/30/2016
Version : 1.0
Signature : A. Åsebø Murel

Full text of H- and EUH-statements:

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>H241</td>
<td>Heating may cause a fire or explosion</td>
</tr>
<tr>
<td>H317</td>
<td>May cause an allergic skin reaction</td>
</tr>
<tr>
<td>H319</td>
<td>Causes serious eye irritation</td>
</tr>
<tr>
<td>H400</td>
<td>Very toxic to aquatic life</td>
</tr>
<tr>
<td>Aquatic Acute 1</td>
<td>Hazardous to the aquatic environment — Acute Hazard, Category 1</td>
</tr>
<tr>
<td>Eye Irrit. 2</td>
<td>Serious eye damage/eye irritation, Category 2</td>
</tr>
<tr>
<td>Org. Perox. B</td>
<td>Organic Peroxides, Type B</td>
</tr>
<tr>
<td>Skin Sens. 1</td>
<td>Sensitisation — Skin, Category 1</td>
</tr>
</tbody>
</table>

The information in this safety data sheet is based on information from the manufacturer/supplier, present European and national legislation, and presupposes that the product is used within the specified area of application.