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

Product identifier
Product name: CLAROCIT POWDER
Cat. No. 40200074, 40200072

Container size: 800 g, 3 kg

Relevant identified uses of the substance or mixture and uses advised against
Application: For embedding of materialographic specimens

Details of the supplier of the safety data sheet
Supplier: Struers Australia
27 Mayneview Street
Milton QLD 4064, Australia

Responsible for safety data sheet authoring: Responsible for safety data sheet authoring: DHI
Any questions to the contents of this safety data sheet should be sent to: struers@struers.dk

Emergency telephone number

+61 7 3512 9600
(Only during office hours)

SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture
WHS: The product is not classified.

Label elements
The substance/mixture does not meet the criteria for classification, but the following labelling must be applied:

Contains Dibenzoyl peroxide. May produce an allergic reaction.
Safety data sheet available on request.

Other hazards
Fine particles may form explosive vapour/air mixtures.

PBT/vPvB: No information available.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures
The product contains: acrylic resin.
SECTION 4: FIRST AID MEASURES

**Description of first aid measures**

**Inhalation:**
Move into fresh air and keep at rest.

**Skin contact:**
In case of eczema or other skin disorders: Seek medical attention and bring these instructions.

**Eye contact:**
Immediately flush with plenty of water for at least 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: Continue flushing during transport to hospital. Bring along these instructions.

**Ingestion:**
Immediately rinse mouth and drink plenty of water. Keep person under observation. If person becomes uncomfortable seek hospital and bring these instructions.

**Most important symptoms and effects, both acute and delayed**

**Symptoms/effects:**
See section 11 for more detailed information on health effects and symptoms.

**Indication of any immediate medical attention and special treatment needed**

**Medical attention/treatments:**
Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

**Extinguishing media**

**Extinguishing media:**
Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable extinguishing media: Avoid water in straight hose stream; will scatter and spread fire.

**Special hazards arising from the substance or mixture**

**Specific hazards:**
None in particular.

**Advice for firefighters**

**Protective equipment for firefighters:**
Selection of respiratory protection for fire fighting: follow the general fire precautions indicated in the workplace.
SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Protective equipment: Avoid inhalation of dust. Avoid contact with skin and eyes. For personal protection, see section 8. (*)

Emergency procedures: No specific recommendations. For personal protection, see section 8. (*)

Environmental precautions

Environmental precautions: Do not discharge into drains, water courses or onto the ground.

Methods and material for containment and cleaning up

Spill Cleanup Methods: Collect spillage with shovel, broom or the like.

Reference to other sections

References: For personal protection, see section 8. For waste disposal, see section 13.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Safe handling advice: Avoid inhalation of dust. Avoid contact with skin and eyes. Avoid spreading dust. Observe good chemical hygiene practices.

Technical measures: Work practice should minimise contact.

Technical precautions: Local exhaust is recommended.

Conditions for safe storage, including any incompatibilities

Technical measures for safe storage: No special precautions.

Storage conditions: Store in closed original container in a dry place.

Specific end use(s)

Specific use(s): No information available.
SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Occupational exposure limits:

<table>
<thead>
<tr>
<th>CAS-No.</th>
<th>Chemical name</th>
<th>As</th>
<th>Exposure limits</th>
<th>Type</th>
<th>Notes</th>
<th>References</th>
</tr>
</thead>
<tbody>
<tr>
<td>94-36-0</td>
<td>Benzoyl peroxide</td>
<td></td>
<td>5 mg/m3</td>
<td>TWA</td>
<td>-</td>
<td>NOHSC</td>
</tr>
</tbody>
</table>

**Exposure controls**

**Engineering measures:** Provide adequate ventilation. Observe occupational exposure limits and minimise the risk of inhalation of dust. Local exhaust is recommended.

**Personal protection:** Personal protection equipment should be chosen according to relevant AS/NZS standards and in discussion with the supplier of the personal protective equipment.

**Respiratory equipment:** In case of inadequate ventilation or risk of inhalation of dust, use suitable respiratory equipment with particle filter (type P2).

**Hand protection:** Wear protective gloves. Butyl rubber gloves are recommended. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

**Eye protection:** Risk of contact: Wear goggles/face shield.

**Skin protection:** No special precautions.

**Environmental Exposure Controls:** Not available.
SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

(*)

<table>
<thead>
<tr>
<th>Property</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form:</td>
<td>Powder</td>
</tr>
<tr>
<td>Colour:</td>
<td>Colourless</td>
</tr>
<tr>
<td>Odour:</td>
<td>Characteristic</td>
</tr>
<tr>
<td>Odour threshold:</td>
<td>Not available</td>
</tr>
<tr>
<td>pH:</td>
<td>Not available</td>
</tr>
<tr>
<td>Melting point:</td>
<td>100 °C</td>
</tr>
<tr>
<td>Boiling point:</td>
<td>Not available</td>
</tr>
<tr>
<td>Flash point:</td>
<td>Not available</td>
</tr>
<tr>
<td>Evaporation rate:</td>
<td>Not available</td>
</tr>
<tr>
<td>Flammability (solid, gas):</td>
<td>Not available</td>
</tr>
<tr>
<td>Explosion limits:</td>
<td>Not available</td>
</tr>
<tr>
<td>Vapour pressure:</td>
<td>Not available</td>
</tr>
<tr>
<td>Vapour density:</td>
<td>Not available</td>
</tr>
<tr>
<td>Relative density:</td>
<td>Not available</td>
</tr>
<tr>
<td>Solubility:</td>
<td>Insoluble in water</td>
</tr>
<tr>
<td>Partition coefficient (n-octanol/water):</td>
<td>Not available.</td>
</tr>
<tr>
<td>Auto-ignition temperature (°C):</td>
<td>Not available</td>
</tr>
<tr>
<td>Decomposition temperature (°C):</td>
<td>Not available</td>
</tr>
<tr>
<td>Viscosity:</td>
<td>Not available</td>
</tr>
<tr>
<td>Explosive properties:</td>
<td>Not considered to be explosive</td>
</tr>
<tr>
<td>Oxidising properties:</td>
<td>Not available</td>
</tr>
</tbody>
</table>

**Other information**

**Other data:** Volatile Organic Compound (VOC): 0 g/l (calculated)
SECTION 10: STABILITY AND REACTIVITY

Reactivity: No data available.

Chemical stability: Stable under normal temperature conditions.

Possibility of hazardous reactions: No data available.

Conditions to avoid: No information available.

Incompatible materials: Strong oxidising substances.

Hazardous decomposition products: Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects:

Acute Toxicity (Oral): Based on available data, the classification criteria are not met.

Acute Toxicity (Dermal): Based on available data, the classification criteria are not met.

Acute Toxicity (Inhalation): Based on available data, the classification criteria are not met.

Skin Corrosion/Irritation: Based on available data, the classification criteria are not met.

Serious eye damage/irritation: Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation: Based on available data, the classification criteria are not met.

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met. National Toxicology Program (NTP): No. IARC Cancer Review: Group 3 for Benzoyl peroxide.

Reproductive Toxicity: Based on available data, the classification criteria are not met.

STOT - Single exposure: Based on available data, the classification criteria are not met.

STOT - Repeated exposure: Based on available data, the classification criteria are not met.

Inhalation hazard: Based on available data, the classification criteria are not met.

Inhalation: Dust may irritate throat and respiratory system and cause coughing.

Skin contact: Prolonged contact may cause redness and irritation. Risk of sensitisation or allergic reactions among sensitive individuals.

Eye contact: Dust may cause irritation.

Ingestion: No harmful effects expected in amounts likely to be ingested by accident.
SECTION 12: ECOLOGICAL INFORMATION

Toxicity
Ecotoxicity: The product is not expected to be hazardous to the environment.

Persistence and degradability
Degradability: The degradability of the product has not been stated.

Bioaccumulative potential
Bioaccumulative potential: No data available on bioaccumulation.

Mobility in soil
Mobility: No data available.

Results of PBT and vPvB assessment
PBT/vPvB: No information available.

Other adverse effects
Other adverse effects: No information available.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods
Waste from residues: Dispose of waste and residues in accordance with local authority requirements.
Contaminated packaging: Dispose of waste and residues in accordance with local authority requirements.

SECTION 14: TRANSPORT INFORMATION

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADG).

UN number
UN-No: -

UN proper shipping name
Proper Shipping Name: -

Transport hazard class(es)
Class: -

Packing group
PG: -

Environmental hazards
Marine pollutant: -
Environmentally Hazardous substance: -

Special precautions for user
Special precautions: None known.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Transport in bulk: Not relevant.
SECTION 15: REGULATORY INFORMATION

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

Special provisions: AICS: Listed.

National regulation:
- Work Health and Safety Regulations 2011, with amendments.
- The Industrial Chemicals (Notification and Assessment) Act 1989, as amended.

SECTION 16: OTHER INFORMATION

The user must be instructed in the proper work procedure and be familiar with the contents of these instructions.

The following sections contain revisions or new statements: 6, 9.
The (*) indicates the changes made with respect to the previous version.

Approved by DHI.

Additional information:
- Classification according to WHS Regulations 2011: Calculation method.

Wording of H-statements:
- H241 Heating may cause a fire or explosion.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.

The information on this data sheet represents our current data and is reliable provided that the product is used under the prescribed conditions and in accordance with the application specified on the packaging and/or in the technical guidance literature. Any other use of the product which involves using the product in combination with any other product or any other process is the responsibility of the user.

Made by DHI - Environment and Toxicology, Agern Allé 5, DK-2970 Hørsholm, Denmark.