

MATERIAL SAFETY DATA SHEET



according to EEC Directives 91/155/EEC and 93/112/EC

Product name:	CITOFIX POWDER	Page:	1/5
Last revised date:	2000-01-27	Print date:	2000-01-28
P/N-no.:	M1201023	SDS-ID:	US-D/1.0

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

<u>Product name:</u>	CITOFIX POWDER		
<u>Application:</u>	For embedding of materialographic specimens	<u>Container size:</u>	750 g
<u>Supplier:</u>	Struers A/S Valhøjs Allé 176 DK-2610 Rødovre Tel: + 45 3670 3500		

2. COMPOSITION/INFORMATION ON INGREDIENTS

The product contains: binders, fillers and plasticizer.

<u>Chemical name:</u>	<u>CAS-No.:</u>	<u>%:</u>	<u>Hazard classification:</u>	<u>Notes:</u>
Dibutyl phthalate	84-74-2	1-3	Rep3;R62-63 N;R50/53	-
Dibenzoyl peroxide	94-36-0	1-3	E;R2 Xi;R36 R43	-
Filler	-	50-90	-	-
Binder	-	10-40	-	-

3. HAZARDS IDENTIFICATION

Man: Contains a substance/a group of substances with possible risk of harm to the unborn child and with possible risk of impaired fertility. Irritating to eyes. The product contains a small amount of sensitizing substance which may provoke an allergic reaction among sensitive individuals.

Environment: The product contains a substance which is very toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

4. FIRST-AID MEASURES

Inhalation: Move injured person into fresh air and keep person calm under observation. If uncomfortable: Seek hospital and bring along these instructions.

Skin contact: Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and bring along these instructions.

Eye contact: Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: Seek medical attention and bring along these instructions.

Ingestion: Immediately rinse mouth and drink plenty of water. Keep person under observation. If uncomfortable: Seek hospital and bring along these instructions. Do not induce vomiting.

5. FIRE-FIGHTING MEASURES

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

Specific hazards: By heating and fire, irritating vapours may be formed. Risk of dust explosion.

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6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Avoid contact with skin and eyes.

Environmental precautions: Avoid discharge into drains, water courses or onto the ground.

Methods for cleaning up: Moisten spillage with water. Collect spillage with granulates, sawdust, rags or other absorbent. For waste disposal, see point 13.

7. HANDLING AND STORAGE

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

Technical measures: Avoid spreading dust.

Technical precautions: Local exhaust is recommended.

Technical measures for safe storage: No special precautions.

Storage conditions: Store in tightly closed original container.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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

<u>Chemical name:</u>	<u>Exposure limits:</u>	<u>Type:</u>	<u>Notes:</u>	<u>References:</u>
Dibutyl phthalate	5mg/m ³	TWA	-	ACGIH (1999)
Benzoyl peroxide	5mg/m ³	TWA	A4	ACGIH (1999)
Benzoyl peroxide	5mg/m ³	TWA	-	OSHA 1998

Respiratory equipment: During dust-raising work: Use respiratory equipment with particle filter, type P2.

Hand protection: Risk of contact: Wear protective gloves. Laminate (PE/EVOH) gloves are recommended.

Eye protection: Goggles/face shield are recommended.

Skin protection: No special precautions.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: yellow powder
Odour: not available
pH: not relevant
Boiling point: not available
Flash point: >250°C
Explosive properties: not available
Relative density: 2.1
Solubility: insoluble in water

10. STABILITY AND REACTIVITY

Stability: Stable under normal temperature conditions.

Conditions/
materials to avoid: Reacts with acids. Heating.

Hazardous
decomposition products: By heating and fire, irritating vapours may be formed.

11. TOXICOLOGICAL INFORMATION

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

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

Eye contact: Dust in the eyes will cause irritation.

Ingestion: May irritate and cause malaise.

Specific effects: Contains a substance/a group of substances with possible risk of harm to the unborn child and with possible risk of impaired fertility.
Carcinogenicity:
National Toxicology Program (NTP): No.
I.A.R.C. Monographs: No.
OSHA: No.

12. ECOLOGICAL INFORMATION

Mobility: The product is insoluble in water.

Degradability: The product is potentially degradable.

Ecotoxicity: The product contains a substance which is very toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

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13. DISPOSAL CONSIDERATIONS

Dispose of waste and residues according to agreement with local authorities. Waste should be considered as dangerous waste.

Waste from residues: EWC-code: 20 01 12

Contaminated packaging: Dispose of contaminated packings as residue.

14. TRANSPORT INFORMATION

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

15. REGULATORY INFORMATION

Labelling:

Contains: Dibenzoyl peroxide



Irritant

R36

Irritating to eyes.

R43

May cause sensitisation by skin contact.

S36/37

Wear suitable protective clothing and gloves.

NFPA Rating:



Specific provisions:

TSCA: Listed.

National regulation:

EC Directives 67/548/EEC on dangerous substances and 88/379/EEC on dangerous preparations (up to and inclusive of the 25th adaptation).
Europe/USA:

This Safety Data Sheet has been prepared according to the EU-regulation.
Threshold Limit Values (1999), ACGIH, by the American Conference on Governmental Industrial Hygienists.

The Code of Federal Regulation, Title 29, part 1910. Occupational Safety and Health Standards, Air contaminants, 1998.

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16. OTHER INFORMATION

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

Released: 14 March 1995

Approved by DTC.

Christina Meyer

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.

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