

1. IDENTIFICATION OF THE PREPARATION AND COMPANY

Product Name and Code : Hardener 10g 170000

NAME AND FULL ADDRESS OF COMPANY:

Heinrich König & Co. KG

An der Rosenhelle 5

D-61138 Niederdorfelden

EMERGENCY-CALL OF COMPANY : 49 / 6101 / 53 60 50 (R & D)

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2. COMPOSITION/INFORMATION ON INGREDIENTS

Substances presenting a health hazard within the meaning of the Dangerous Substances Directive 67/548/EEC.

EINECS-No.	Names R-phrases	Symb.	Conc.
202-327-6	dibenzoyl peroxide		
94-36-0	2-36-43	Xi,E	25-50
See full text of R-phrases under chapter 16			

3. HAZARDS IDENTIFICATION OF THE PREPARATION.

Danger classification : Xi Irritant

O Oxidizing

8 Contact with combustible material may cause fire.

36 Irritating to eyes.

43 May cause sensitisation by skin contact.

4. FIRST AID MEASURES.

General: In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

Inhalation: Remove to fresh air, keep patient warm and at rest, if breathing is irregular or stopped, administer artificial respiration. Give nothing by mouth. If unconscious place in recovery position and seek medical advice.

Eye contact: Remove contact lenses, irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart and seek medical advice.

Skin contact: Remove contaminated clothing. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do **NOT** use solvents or thinners.

Ingestion: If accidentally swallowed obtain immediate medical attention. Keep at rest. Do **NOT** induce vomiting.

5. FIRE FIGHTING MEASURES.

Extinguishing media: recommended : alcohol resistant foam, CO2, powders,
not to be used : waterjet.

Recommendations: Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard. Appropriate breathing apparatus may be required. Cool closed containers exposed to fire with water. Do not allow run-off from fire fighting to enter drains or water-courses.

6. ACCIDENTAL RELEASE MEASURES.

Exclude sources of ignition and ventilate the area. Avoid breathing vapours. Refer to protective measures listed in sections 7 and 8. Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13). Do not allow to enter drains or watercourses. Clean preferably with a detergent; avoid use of solvents. If the product contaminates lakes, rivers or sewages, inform appropriate authorities in accordance with local regulations.

7. HANDLING AND STORAGE.

Handling.

The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Electrical equipment should be protected to the appropriate standard. Keep container tightly closed. Isolate from sources of heat, sparks and open flame. No sparking tools should be used. Avoid skin and eye contact.

Smoking, eating and drinking should be prohibited in application area.

For personal protection see Section 8.

Always keep in containers of same material as the original one.

Comply with the health and safety at work laws.

Storage.

Observe label precautions. Store between 15 and 30°C in a dry, well ventilated place away from sources of heat and direct sunlight.

Keep away from sources of ignition. Keep away from combustible materials, reducing agents (e.g. amines), acids, alkalis, heavy metal compounds (e.g. accelerators, driers, metal soaps). No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION.

Engineering Measures.

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Exposure Limits.

Occupational exposure limit for :

EINECS-No.	Names	STEL	LTEL
202-327-6	dibenzoyl peroxide		5.000 mg/m3

Personal Protection.

Respiratory protection: When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Hand protection: For prolonged or repeated contact, use solvent resistant gloves. Barrier creams may help to protect the exposed areas of the skin, they should however not be applied once exposure has occurred.

Eye protection: Use safety eyewear designed to protect against splash of liquids.

Skin protection: Personnel should wear antistatic clothing made of natural fibre or of high temperature resistant synthetic fibre. All parts of the body should be washed after contact.

9. PHYSICAL AND CHEMICAL PROPERTIES.

Physical state : paste decomposes above 50°C Method
Flash point : 500 c.c.
Viscosity : 999 s 4 mm DIN 53211
Specific gravity : 1.14
Vapour density :
Lower explosion limit: n.a.
Solubility in water : not soluble

10. STABILITY AND REACTIVITY

Stable under recommended storage and handling conditions.(See section 7)
When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, benzoic acid, benzene, diphenyl, phenylbenzoate.
NONE OF THE UPPER DESCRIBED DECOMPOSED PRODUCTS WILL OCCUR UNDER NORMAL CONDITIONS AND PROPER USE !

11. TOXICOLOGICAL INFORMATION.

There are no data available on the preparation itself. The preparation has been assessed following the conventional methods of the Dangerous Preparations Directive 1999/45/EC and classified for toxicological hazards accordingly. See Chapter 2 and 15 for details.

12. ECOLOGICAL INFORMATION.

The product should not be allowed to enter drains or water courses.

13. DISPOSAL CONSIDERATIONS.

Do not allow into drains or water courses. Wastes and emptied containers should be deposited according to the official rules.

Code of waste: 80111

Waste Designation: Waste paint and varnish containing organic solvents or other dangerous substances.

14. TRANSPORT INFORMATION.

Transport only in accordance with ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport.

ADR/RID Class: 5.2
Tremcard: 5.2
UN-No: 3108
Transport document name: ORGANIC PEROXIDE TYPE E, SOLID
(Dibenzoylperoxide, stabilized)
Dibenzoylperoxid
Packaging group: II

IMDG Class: 5.2
EmS-No: F-J, S-R
UN-No: 3108
Proper shipping name: ORGANIC PEROXIDE TYPE E, SOLID
Dibenzoylperoxid
Packaging group: II
marine pollutant: n.a.

Material Safety Data Sheet according 91/155/EEC

Product Name : 170000

Hardener 10g

Date: 30.01.06

Revision date: 05.10.05

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ICAO/IATA Class: 5.2
UN No: 3108
Proper shipping name: ORGANIC PEROXIDE TYPE E, SOLID
(Dibenzoylperoxide, stabilized)
Dibenzoylperoxid
Packaging group: II

15. REGULATORY INFORMATION.

In accordance with requirements of the Classification Packaging and Labelling of Dangerous Substances Regulations.

The product is labelled as follows :

Danger classification : Xi Irritant
O Oxidizing

Contains: dibenzoyl peroxide

R-phrases:

8 Contact with combustible material may cause fire.
36 Irritating to eyes.
43 May cause sensitisation by skin contact.

S-phrases:

17 Keep away from combustible material.
24 Avoid contact with skin.
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
3/7 Keep container tightly closed in a cool place.
36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

Other phrases: n.a.

16. OTHER INFORMATION.

Full text of R-phrases with no. appearing in section 2:

2 Risk of explosion by shock, friction, fire or other sources of ignition.
36 Irritating to eyes.
43 May cause sensitisation by skin contact.

The information of this SDS is based on the present state of our knowledge and on current EU and national laws. The product is not to be used for other purposes than those specified under section 1 without first obtaining written handling instruction. It is always the responsibility of the user to take all necessary steps in order to fulfil the demand laid down in the local rules and legislation. The information in this SDS is meant as a description of the safety requirements of our product: it is not to be considered as a guarantee of the products' properties.
