

MATERIAL SAFETY DATA SHEET**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

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CHEMICAL NAME: Silica quartz powder and dibenzoyl peroxide

PRODUCT: TRI-HARD POWDER

PRODUCT NUMBERS: 11 10 41

2. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT(S):	CAS NUMBER:	%	HAZARD SYMBOLS	R-PHRASES
Benzoyl Peoxide	94-36-0	1 – 3	E, Xi	2,7,36,43

3. HAZARDS IDENTIFICATION

HAZARD DESCRIPTION: May cause sensitisation by skin contact

INFORMATION CONCERNING PARTICULAR HAZARDS TO MAN AND THE ENVIRONMENT: Not Applicable.

4. FIRST AID MEASURES

EMERGENCY AND FIRST AID PROCEDURES:

INHALATION: Remove to fresh air. Get medical help if discomfort persists.

EYES: Flush with water for 15 minutes, including under eyelids. Get medical help if discomfort persists.

SKIN: Wash with soap and water. Get medical help if discomfort persists.

INGESTION: Rinse mouth out with water. Call doctor if amount was large.

5. FIRE FIGHTING MEASURES

EXTINGUISHER METHOD: Water, carbon dioxide, dry chemical, foam

UNSUITABLE METHODS: Water with full jet

SPECIAL FIRE FIGHTING PROCEDURES: No special measures required

UNUSUAL FIRE AND EXPLOSION HAZARDS: Firefighters should wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

PERSON RELATED SAFETY PRECAUTION: Avoid eye and skin contact.

MEASURES FOR ENVIRONMENTAL PROTECTION: No special measures required.

MEASURES FOR CLEANING/COLLECTING: Pick up mechanically. Dispose of according to regulations.

ADDITIONAL INFORMATION: No dangerous substances are released.

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7. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING: Prevent formation of dust.

INFORMATION ABOUT FIRE- AND EXPLOSION PROTECTION: At higher quantities take measures against electrostatic discharges. In event of a fire, the endangered product should be cooled with water.

PRECAUTIONS TO BE TAKEN IN STORAGE: No special requirements. Store in dry conditions.

STORAGE TEMPERATURE: Preferably not exceeding 35 ° C.

OTHER PRECAUTIONS: Wash thoroughly after use and before eating or smoking.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS:

CAS Number	80-62-6
Silica quartz powder	0.15 mg/m ³

Observations

Sensitizing

A hazard of fruit damage does not exist during compliance with the MAK worth (TRGS 900)

MAK (DFG) for

CAS Number	94-36-0		
Dibenzoyl Peroxide	5 mg/m ³	100 ml/ m ³	1994

PERSONAL PROTECTIVE EQUIPMENT

GENERAL PROTECTIVE AND HYGIENE MEASURES: The usual precautionary measures are to be adhered to when handling chemicals. Do not inhale dust.

RESPIRATORY PROTECTION (SPECIFY TYPE): Filtering half mask during dust formation above of the MAK worth.

VENTILATION: Local exhaust at processing equipment.

PROTECTIVE GLOVES: Protective gloves.

EYE PROTECTION: Safety glasses or chemical splash goggles.

9. PHYSICAL AND CHEMICAL PROPERTIES

FORM: Powder

COLOUR: Grey-White

ODOUR: Nearly odourless

MELTING POINT: 1700 °C

SPECIFIC GRAVITY (H₂O=1): NA

VAPOUR PRESSURE: NA

PERCENT VOLATILE W/W%: NA

DENSITY: 2.65 g/cm³

BULK DENSITY: c. 1000 kg/m³

FLASH POINT: >250 °C

AUTOIGNITION TEMPERATURE: >400 °C

FLAMMABLE LIMIT, AIR VOL % LOWER: NA
UPPER: NA

SOLUBILITY IN WATER: Insoluble

10. STABILITY AND REACTIVITY

STABILITY: Stable

CONDITIONS TO AVOID:

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INCOMPATIBILITY (MATERIALS TO AVOID):

HAZARDOUS DECOMPOSITION PRODUCTS: No hazardous products during normal appropriation.

HAZARDOUS POLYMERIZATION:

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY:

LD/LC50 VALUES RELEVANT FOR CLASSIFICATION:

Dibenzoyl Peroxide 78% LD50 oral > 5000 mg/kg rat (lit.)

PROMARY IRRITANT EFFECT:

ON THE SKIN: No irritant effect

ON THE EYE: Slightly Irritating

SENSITISASTION: Allergic reactions on humans were recorded.

CARCINOGENICITY: The substance shows tumor promoting properties in animal tests.

ADDITIONAL TOXICOLOGICAL INFORMATION: The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

12. ECOLOGICAL INFORMATION

AQUATIC TOXICITY: Do not allow to enter soil, waterways or waste water.

ECOLOGICAL TOXICITY:

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHODS: On the basis of the necessary technical regulations and after consultation with the disposal agent and relevant authorities, can be disposed of with domestic waste or incinerated domestic waste.

14. TRANSPORTATION INFORMATION

NON-HAZARDOUS

SHIPPING NAME: None hazardous good within meaning of the transport regulations.

15. REGULATORY INFORMATION

LABELLING ACCORDING TO EU GUIDELINES: labelling required

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HAZARDOUS COMPONENTS FOR LABELLING: Dibenzoyl Peroxide

HAZARD SYMBOLS	Xi Irritant
R PHRASES	43 May cause sensitization by skin contact.
S PHRASES	36/37 Protective gloves & protective clothing
DANGER CATEGORY	1 Self Classification
RUBBISH CODE	57129 Other hardened synthetic waste

16. OTHER INFORMATION

None

MATERIAL SAFETY DATA SHEET

The data sheet was prepared in accordance with Directive 91/155/EEC

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