

## 1 Identification of the substance / preparation and of the company

### VariDur 3000 Powder Article number: 20-3591-xxx

<b>Use:</b>	Castable (Cold) mounting Compound
<b>Identified use:</b>	none
<b>Method of operation:</b>	See product information.
<b>Company:</b>	Buehler GmbH In der Steele 2 D-40599 Düsseldorf / GERMANY Phone: 0800 707 6273 Fax: 0800 707 6274 Homepage: www.buehler-met.de/en/ E-mail: sales@buehler.co.uk
<b>Emergency phone:</b>	0800 707 6273 (Only valid if dialled within the UK) +49 (0) 211 974100
<b>Responsible:</b>	Schroeder@chemiebuero.de

## 2 Hazards identification

<b>Physico-chemical hazards:</b>	No particular hazards known.
<b>Other hazards:</b>	none
<b>Hazard symbols:</b>	 Irritant
<b>R-phrases:</b>	R 43: May cause sensitisation by skin contact.

## 3 Composition / Information on ingredients

Range [%]	Substance
80 - < 100	Silicon dioxide
	CAS: 7631-86-9, EINECS/ELINCS: 231-545-4 EU-INDEX: ECB-Nr.:
	GHS/CLP: -
	EEC:
1 - < 3	Dibenzoyl peroxide
	CAS: 94-36-0, EINECS/ELINCS: 202-327-6 EU-INDEX: 617-008-00-0 ECB-Nr.:
	GHS/CLP: Org. Perox. B, Eye Irrit. 2, Skin Sens. 1, H241, H319, H317
	EEC: E-Xi, R2-36-43

**Comment on component parts:** Substances of Very High Concern - SVHC: substances are not contained or below 0,1%.  
For the wording of the listed risk phrases refer to section 16.

## 4 First aid measures

<b>General information:</b>	Change soaked clothing.
<b>Inhalation:</b>	Ensure supply of fresh air. In the event of symptoms seek for medical treatment.
<b>Skin contact:</b>	In case of contact with skin wash off immediately with soap and water. Consult a doctor if skin irritation persists.
<b>Eye contact:</b>	In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.
<b>Ingestion:</b>	Supply with medical care. Rinse out mouth and give plenty of water to drink.
<b>Advice to doctor:</b>	Treat symptomatically.

## 5 Fire-fighting measures

<b>Suitable extinguishing media:</b>	Foam. Dry powder. Water spray jet. Carbon dioxide.
<b>Extinguishing media that must not be used:</b>	Full water jet.
<b>Special exposure hazards arising from the substance or preparation itself or combustion products:</b>	Unknown risk of formation of toxic pyrolysis products.
<b>Special protective equipment for firefighters:</b>	Use self-contained breathing apparatus.
<b>Additional information:</b>	Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

## 6 Accidental release measures

<b>Personal precautions:</b>	Avoid dust formation. Ensure adequate ventilation.
<b>Environmental precautions:</b>	not applicable
<b>Methods for cleaning up:</b>	Take up mechanically. Avoid raising dust. Dispose of absorbed material in accordance with the regulations.

## 7 Handling and storage

<b>Advice on safe handling:</b>	Provide vacuuming if dust raised. Avoid the formation and deposition of dust.
<b>Advice on protection against fire and explosion:</b>	No special measures necessary.
<b>Requirements for storage rooms and vessels:</b>	Keep only in original container.
<b>Advice on storage compatibility:</b>	No special measures necessary.
<b>Further information on storage conditions:</b>	Keep container tightly closed. Keep container in a well-ventilated place. Store in a dry place. Do not keep at temperatures above 30 °C.

## 8 Exposure controls / personal protection

**Additional advice on system design:** Ensure adequate ventilation on workstation.

### Ingredients with occupational exposure limits to be monitored: (GB)

Range [%]	Substance / WEL: Workplace exposure limit
80 - < 100	Silicon dioxide / - ppm, 4 mg/m <sup>3</sup> , total inhalable dust

<b>Respiratory protection:</b>	not applicable
<b>Hand protection:</b>	Butyl rubber, >120 min (EN 374). The details concerned are recommendations. Please contact the glove supplier for further information.
<b>Eye protection:</b>	Safety glasses.
<b>Skin protection:</b>	not applicable
<b>General protective measures:</b>	Avoid contact with eyes and skin. Do not inhale dust. Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of these equipments to chemicals should be ascertained with the respective supplier.
<b>Hygiene measures:</b>	Do not eat, drink, smoke or take drugs at work. Wash hands before breaks and after work. Use barrier skin cream.
<b>Delimitation and monitoring of the environmental exposition:</b>	not determined

## 9 Physical and chemical properties

Form:	powder
Color:	light blue
Odor:	odourless
pH-value:	not applicable
pH-value [1%]:	not applicable
Boiling point [°C]:	2230
Flash point [°C]:	not applicable
Flammability [°C]:	not determined
Lower explosion limit:	not determined
Upper explosion limit:	not determined
Oxidizing properties:	no
Vapour pressure [kPa]:	not determined
Density [g/ml]:	not determined
Bulk density [kg/m <sup>3</sup> ]:	not determined
Solubility in water:	insoluble
Partition coefficient [n-octanol/water]:	not determined
Viscosity:	not applicable
Relative vapour density determined in air:	not applicable
Evaporation speed:	not applicable
Melting point [°C]:	not determined
Autoignition temperature [°C]:	370
Decomposition temperature:	>30

## 10 Stability and reactivity

Hazardous reactions:	No hazardous reactions known.
Hazardous decomposition products:	No hazardous decomposition products known.

## 11 Toxicological information

Acute oral toxicity:	not determined
Acute dermal toxicity:	not determined
Acute inhalational toxicity:	not determined
Irritant effect on eye:	not determined
Irritant effect on skin:	not determined
Sensitization:	not determined
Subacute toxicity:	not determined
Chronic toxicity:	not determined
Mutagenicity:	not determined
Reproduction toxicity:	not determined
Carcinogenicity:	not determined
Experiences made in practice:	none
General remarks:	The product was classified on the basis of the calculation procedure of the preparation directive.

## 12 Ecological information

Fish toxicity:	not determined
Daphnia toxicity:	not determined
Behaviour in environment compartments:	not determined
Behaviour in sewage plant:	not determined
Bacteria toxicity:	not determined
Biological degradability:	not determined
COD:	not determined
BOD 5:	not determined
AOX-advice:	No dangerous components.
2006/11/EC:	yes
General information:	No classification on the basis of the calculation procedure of the preparation directive.




### 13 Disposal considerations

<b>Product:</b>	Coordinate disposal with the authorities if necessary. Coordinate disposal with the authorities if necessary.
<b>Contaminated packaging:</b>	Uncontaminated packaging may be taken for recycling.
<b>Waste no. (recommended):</b>	070214*

### 14 Transport information

<b>Classification according to ADR:</b>	NO DANGEROUS GOODS
<b>Classification according to IMDG:</b>	NOT CLASSIFIED AS "DANGEROUS GOODS"
<b>Classification according to IATA:</b>	NOT CLASSIFIED AS "DANGEROUS GOODS"

### 15 Regulatory information

<b>Exposure scenario:</b>	not determined
<b>Chemical safety report:</b>	not determined
<b>Labelling:</b>	The product is classified and labelled in accordance within EC-directives.
<b>Hazard symbols:</b>	 Irritant
<b>Contains:</b>	Dibenzoyl peroxide
<b>R-phrases:</b>	R 43: May cause sensitisation by skin contact.
<b>S-phrases:</b>	S 24: Avoid contact with skin. S 37: Wear suitable gloves.
<b>Special labelling:</b>	none
<b>EEC-REGULATIONS:</b>	1967/548 (2008/58, 30. ATP/ 31. ATP); 1991/689 (2001/118); 1999/13; 2004/42; 648/2004; 1907/2006 (Reach); 1272/2008; 75/324/EWG (2008/47/EG
<b>TRANSPORT-REGULATIONS:</b>	DOT-Classification, ADR (2009); IMDG-Code (34. Amdt.); IATA-DGR (2010).
<b>NATIONAL REGULATIONS (GB):</b>	EH40/2005 Workplace exposure limits with amendments October 2007. CHIP 3/ CHIP 4
<b>Authorisation, TITEL VII:</b>	not applicable
<b>Restrictions, TITEL VIII:</b>	not applicable

### 16 Other informations

<b>R-phrases (Chapter 03):</b>	R 2: Risk of explosion by shock, friction, fire or other sources of ignition. R 36: Irritating to eyes. R 43: May cause sensitisation by skin contact.
<b>Hazard statements (Chapter 03):</b>	H241 Heating may cause a fire or explosion. H319 Causes serious eye irritation. H317 May cause an allergic skin reaction.
<b>Observe employment restrictions for people:</b>	yes
<b>VOC (1999/13/CE):</b>	0%

Disclaimer: This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.  
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