

**01. Identification of the substance / preparation and of the company****Product:** VariDur 20 Powder**Use:** Technical plastic**Company: Buehler UK**

Saturn Building, 101 Lockhurst Lane

Coventry CV6 5SF

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Substance	EINECS/ELINCS	CAS	Range [%]	Symbol / R-phr.
Dibenzoyl peroxide	202-327-6	94-36-0	0,1 - < 1	E, Xi, R2, R36, R43

03. Hazards identification

R001: May produce an allergic reaction.

04. First aid measures

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

05. Fire-fighting measures

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

**06. Accidental release measures**

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

07. Handling and storage

Advice on safe handling	Avoid the formation and deposition of dust. Provide extraction if dust raised.
Advice on protection against fire and explosion	Dust can form an explosive mixture with air.
Requirements for storage rooms and vessels	Keep only in original container.
Advice on storage compatibility	None.
Further information on storage conditions	Keep container tightly closed. Keep container in a well-ventilated place. Store in a dry place. Do not keep at temperatures above 30 °C.

08. Exposure controls / personal protection

Additional advice on system design Ensure adequate ventilation on workstation.

Ingredients with occupational exposure limits to be monitored:

Substance	LTEL[ppm]	LTEL[mg/m³]	General remarks
Dibenzoyl peroxide		5	

LTEL: Long-term exposure limit

Respiratory protection	Not applicable.
Hand protection	Butyl rubber, >120 min (EN 374)
Eye protection	Safety glasses.
Skin protection	Not applicable.
General protective measures	Do not inhale dust. Avoid contact with eyes and skin.
Hygiene measures	Wash hands before breaks and after work. Use barrier skin cream.
Delimitation and monitoring of the environmental exposition	Not determined.

**09. Physical and chemical properties**

Form:	Powder.	Vapour pressure [kPa]:	Not determined.
Colour:	Various.	Density [g/ml]:	2,1
Odour:	Almost odourless.	Bulk density [kg/m³]:	Not determined.
pH-value:	Not applicable.	Solubility in water:	Insoluble.
pH-value, 1%:	Not applicable.	Partition coefficient: n-octanol / water:	Not determined.
Boiling point [°C]:	Not applicable.	Viscosity:	Not applicable.
Flash point [°C]:	>250	Relative vapour density determined in air:	Not applicable.
Flammability:[°C]	Not applicable.	Evaporation speed:	Not applicable.
Lower explosion limit:	Not determined.	Melting point [°C]:	Not determined.
Upper explosion limit:	Not determined.	Autoignition temperature:	400°C
Combustible properties:	No.	Decomposition temperature:	250°C

10. Stability and reactivity

Hazardous reactions	Accumulation of fine dust may entail the risk of a dust explosion in the presence of air.
Hazardous decomposition products	No hazardous decomposition products known.

11. Toxicological information

Acute oral toxicity OECD 401	Not determined.
Acute dermal toxicity OECD 402	Not determined.
Acute inhalational toxicity OECD 403	Not determined.
Irritant effect on eye OECD 405	Not determined.
Irritant effect on skin OECD 404	Not determined.
Sensitization OECD 406	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	No toxicological data are available. No classification 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.
Chemical oxygen demand (COD)	Not determined.
Biochemical oxygen demand (BOD5)	Not determined.
AOX-advice	No dangerous components.
Contains compounds of 76/464/EC	Not applicable.
General information	Ecological data are not available.

13. Disposal considerations

Disposal / Product	Disposal in an incineration plant in accordance with the regulations of the local authorities.
Waste no. (recommended)	070213
Disposal / Contaminated packaging	Uncontaminated packaging may be taken for recycling.

14. Transport information

Classification according to ADR:

ADR-Class: not classified as Dangerous Goods

Declaration:

Labelling:

Factor, ADR 1.1.3.6:

Hazard-no:

Label:

LQ, ADR 3.4.6:

Classification according to IMDG:

IMDG-Code-Class:

Declaration: not classified as Dangerous Goods

Labelling:

EmS:

Label:

LQ, [I/kg]:

Classification according to IATA:

IATA-DGR-Class: not classified as Dangerous Goods

Declaration:

Labelling:

Label:



15. Regulatory information

Labelling: The product is labelled in accordance with EC directives
Hazard symbols

contains: Dibenzoyl peroxide

R001: May produce an allergic reaction.

Special labelling for certain preparations

Not applicable.

National regulations (GB)

Not determinated.

16. Other informations

R phrases(Information on ingredients - 02)

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.

Regulatory information

EEC

91/155 (2001/58); 67/548 (2004/73), 29. ATP; 1999/45 (2001/60); 91/689 (2001/118); 89/542

Transport information

ADR (2003); IMDG-Code (31.Amdt.); IATA-DGR (2004)

Additional information

Observe employment restrictions for people

No.

VOC, 1999/13/EG Not determinated.

Customs Tariff Not determinated.

UBA-Registration Not applicable.

89/542/EWG, contains: Not applicable.

Article number: