



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

### MasterMet 2

Article number: 40-6380-006, 40-6380-064

Use:	Polishing suspension
Identified use:	none
Method of operation:	See product information.
Company:	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
Emergency phone:	0800 707 6273 (Only valid if dialled within the UK) +49 (0) 211 974100
Responsible:	Schroeder@chemiebuero.de

## 2 Hazards identification

Physico-chemical hazards:	No particular hazards known.
Human health dangers:	No particular hazards known.
Other hazards:	none
Hazard symbols:	none
R-phrases:	none

## 3 Composition / Information on ingredients

Range [%]	Substance
1 - < 20	Silicon dioxide
	CAS: 7631-86-9, EINECS/ELINCS: 231-545-4 EU-INDEX: ECB-Nr.:
	GHS/CLP: -
	EEC:

Comment on component parts: Substances of Very High Concern - SVHC: substances are not contained or below 0,1%.

## 4 First aid measures

General information:	none
Inhalation:	not applicable
Skin contact:	When in contact with the skin, clean with soap and water. Consult a doctor if skin irritation persists.
Eye contact:	In case of contact with eyes rinse thoroughly with water. In the event of symptoms seek for medical treatment.
Ingestion:	In the event of symptoms seek for medical treatment. Rinse out mouth and give plenty of water to drink. Induce the patient to vomit of his own accord only if fully conscious.
Advice to doctor:	Treat symptomatically.

## 5 Fire-fighting measures

Suitable extinguishing media:	Product itself is non-combustible. Fire extinguishing method of surrounding areas must be considered.
Extinguishing media that must not be used:	Full water jet.
Special exposure hazards arising from the substance or preparation itself or combustion products:	none
Special protective equipment for firefighters:	No special measures necessary.
Additional information:	none

## 6 Accidental release measures

<b>Personal precautions:</b>	High risk of slipping due to leakage/spillage of product.
<b>Environmental precautions:</b>	Do not discharge into the drains/surface waters/groundwater.
<b>Methods for cleaning up:</b>	Pick up with absorbent material (e.g. sand, sawdust, universal absorbent, diatomaceous earth). Dispose of absorbed material in accordance within the regulations.

## 7 Handling and storage

<b>Advice on safe handling:</b>	No special measures necessary.
<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>	No special measures necessary.

## 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
1 - < 20	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.
<b>Hygiene measures:</b>	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

<b>Form:</b>	liquid
<b>Color:</b>	opaque
<b>Odor:</b>	characteristic
<b>pH-value:</b>	not applicable
<b>pH-value [1%]:</b>	not applicable
<b>Boiling point [°C]:</b>	100
<b>Flash point [°C]:</b>	not applicable
<b>Flammability [°C]:</b>	not applicable
<b>Lower explosion limit:</b>	not applicable
<b>Upper explosion limit:</b>	not applicable
<b>Oxidizing properties:</b>	no
<b>Vapour pressure [kPa]:</b>	not determined
<b>Density [g/ml]:</b>	1,015 (20°C / 68,0°F)
<b>Bulk density [kg/m<sup>3</sup>]:</b>	not applicable
<b>Solubility in water:</b>	miscible
<b>Partition coefficient [n-octanol/water]:</b>	not applicable
<b>Viscosity:</b>	not applicable
<b>Relative vapour density determined in air:</b>	not applicable
<b>Evaporation speed:</b>	not applicable
<b>Melting point [°C]:</b>	<0
<b>Autoignition temperature [°C]:</b>	not applicable
<b>Decomposition temperature:</b>	not applicable

**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:** Toxicological data are not 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  
**COD:** not determined  
**BOD 5:** not determined  
**AOX-advice:** not applicable  
**2006/11/EC:** not applicable  
**General information:** No classification on the basis of the calculation procedure of the preparation directive.

**13 Disposal considerations**

**Product:** Coordinate disposal with the authorities if necessary.  
**Contaminated packaging:** Uncontaminated packaging may be taken for recycling.  
**Waste no. (recommended):** 120199

**14 Transport information**

**Classification according to ADR:** NO DANGEROUS GOODS  
**Classification according to IMDG:** NOT CLASSIFIED AS "DANGEROUS GOODS"  
**Classification according to IATA:** 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 does not require a hazard warning label in accordance with EC-directives.
<b>Hazard symbols:</b>	none
<b>R-phrases:</b>	none
<b>S-phrases:</b>	none
<b>Special labelling:</b>	Safety data sheet available for professional user on request.
<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>Observe employment restrictions for people:</b>	no
<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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