



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

### MasterPolish

Article number: 40-10084, 40-6375-032, 40-6375-006

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:	Frequent persistent contact with the skin can cause skin irritation. If swallowed or in the event of vomiting, risk of product entering the lungs.
Other hazards:	none
Hazard symbols:	none
R-phrases:	none

## 3 Composition / Information on ingredients

Range [%]	Substance
10 - 30	Propane-1,2-diol CAS: 57-55-6, EINECS/ELINCS: 200-338-0 EU-INDEX: ECB-Nr.: GHS/CLP: - EEC:
1 - < 20	Aluminium oxide CAS: 1344-28-1, EINECS/ELINCS: 215-691-6 EU-INDEX: ECB-Nr.: GHS/CLP: - EEC:
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:	Change soaked clothing.
Inhalation:	Ensure supply of fresh air. In the event of symptoms seek for medical treatment.
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 plenty of water and seek medical advice.
Ingestion:	Seek medical advice immediately. Rinse out mouth and give plenty of water to drink. Do not induce vomiting.
Advice to doctor:	If swallowed or in the event of vomiting, risk of product entering the lungs.

## 5 Fire-fighting measures

<b>Suitable extinguishing media:</b>	Water spray jet. Dry powder. Foam. 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>	High risk of slipping due to leakage/spillage of product.
<b>Environmental precautions:</b>	Prevent spread over a wide area (e.g. by containment or oil barriers). Do not discharge into the drains/surface waters/groundwater.
<b>Methods for cleaning up:</b>	Take up with absorbent material (e.g. general-purpose binder). Dispose of absorbed material in accordance with the regulations.

## 7 Handling and storage

<b>Advice on safe handling:</b>	Use only in well-ventilated areas.
<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.

## 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
10 - 30	Propane-1,2-diol / 150 ppm, 474 mg/m <sup>3</sup> , vapour and particulates
1 - < 20	Silicon dioxide / - ppm, 4 mg/m <sup>3</sup> , total inhalable dust
1 - < 20	Aluminium oxide / - ppm, 10 mg/m <sup>3</sup> , (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

Form:	liquid
Color:	white
Odor:	characteristic
pH-value:	not determined
pH-value [1%]:	not determined
Boiling point [°C]:	not determined
Flash point [°C]:	not applicable
Flammability [°C]:	not determined
Lower explosion limit:	not applicable
Upper explosion limit:	not applicable
Oxidizing properties:	no
Vapour pressure [kPa]:	not determined
Density [g/ml]:	1,015 (20°C / 68,0°F)
Bulk density [kg/m³]:	not applicable
Solubility in water:	partially miscible
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]:	<0
Autoignition temperature [°C]:	not determined
Decomposition temperature:	not determined

## 10 Stability and reactivity

Hazardous reactions:	Reactions with strong acids.
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:	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.
<b>Contaminated packaging:</b>	Uncontaminated packaging may be taken for recycling.
<b>Waste no. (recommended):</b>	120199

**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 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>	~ 46%

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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