




1 Identification of the substance / preparation and of the company

Buehler ProbeMet Article number: 20-3385-064

Use:	Compression Mounting Compound
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:	See chapter 10.
Other hazards:	none
Hazard symbols:	 Harmful
R-phrases:	R 36/38: Irritating to eyes and skin. R 40: Limited evidence of a carcinogenic effect. R 43: May cause sensitisation by skin contact. R 52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

3 Composition / Information on ingredients

Range [%]	Substance
40 - 60	Copper CAS: 7440-50-8, EINECS/ELINCS: 231-159-6 EU-INDEX: ECB-Nr.: GHS/CLP: - EEC:
30 - < 50	Silica, vitreous CAS: 60676-86-0, EINECS/ELINCS: 262-373-8 EU-INDEX: ECB-Nr.: GHS/CLP: - EEC:
10 - < 15	Reaction product: bisphenol-A-(epichlorhydrin) Epoxy resin (number average molecular weight \leq 700) CAS: 25068-38-6, EINECS/ELINCS: 500-033-5 EU-INDEX: 603-074-00-8 ECB-Nr.: GHS/CLP: Eye Irrit. 2, Skin Irrit. 2, Skin Sens. 1, Aquatic Chronic 2, H319, H315, H317, H411 EEC: Xi-N, R36/38-51/53-43
1 - < 5	Diantimony trioxide CAS: 1309-64-4, EINECS/ELINCS: 215-175-0 EU-INDEX: 051-005-00-X ECB-Nr.: GHS/CLP: - EEC: Xn, R40
1 - < 5	2,4,6-Tris(dimethylaminomethyl)phenol CAS: 90-72-2, EINECS/ELINCS: 202-013-9 EU-INDEX: 603-069-00-0 ECB-Nr.: GHS/CLP: - EEC: Xn, R22-36/38

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**

General information:	Remove contaminated soaked clothing immediately and dispose of safely.
Inhalation:	Ensure supply of fresh air. In the event of symptoms seek 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:	Consult a doctor immediately. Do not induce vomiting. Rinse out mouth and give plenty of water to drink.
Advice to doctor:	Treat symptomatically.

5 Fire-fighting measures

Suitable extinguishing media:	Dry powder. Carbon dioxide. Foam. 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:	Unknown 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 within the local regulations.

6 Accidental release measures

Personal precautions:	Ensure adequate ventilation.
Environmental precautions:	Do not discharge into the drains/surface waters/groundwater.
Methods for cleaning up:	Take up mechanically. Dispose of absorbed material in accordance within the regulations.

7 Handling and storage

Advice on safe handling:	No special measures necessary if used correctly. Use only in well-ventilated areas.
Advice on protection against fire and explosion:	No special measures necessary.
Requirements for storage rooms and vessels:	Keep only in original container.
Advice on storage compatibility:	Do not store together with oxidizing agents.
Further information on storage conditions:	Keep container tightly closed. Keep container in a well-ventilated place.



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
40 - 60	Copper / - ppm, 1 mg/m ³ , dusts and mists (as Cu), 0,2mg/m ³ * (fume)
30 - < 50	Silica, vitreous / - ppm, 0,08 mg/m ³ , respirable dust

Respiratory protection: not applicable

Hand protection: Nitrile rubber, >480 min (EN 374).

The details concerned are recommendations. Please contact the glove supplier for further information.

Eye protection: Safety glasses.

Skin protection: Light protective clothing of plastic material.

General protective measures: Avoid contact with eyes and skin.

Do not inhale dust.

It is essential for pregnant women to avoid inhaling the product and not to let it come in contact with the skin.

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.

Hygiene measures: After worktime and before work breaks the affected skin areas must be thoroughly cleaned.

Remove soiled or soaked clothing immediately.

Do not eat, drink, smoke or take drugs at work.

Use barrier skin cream.

Delimitation and monitoring of the environmental exposition:

not determined

9 Physical and chemical properties

Form: solid

Color: copper colours

Odor: characteristic

pH-value: not applicable

pH-value [1%]: not applicable

Boiling point [°C]: not determined

Flash point [°C]: 204

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]: not determined

Bulk density [kg/m³]: not applicable

Solubility in water: insoluble

Partition coefficient [n-octanol/water]: not determined

Viscosity: not applicable

Relative vapour density determined in air: not determined

Evaporation speed: not determined

Melting point [°C]: not determined

Autoignition temperature [°C]: not determined

Decomposition temperature: not determined

10 Stability and reactivity

Hazardous reactions: Reactions with alkalis (lyes).

Reactions with oxidizing agents.

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. 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:	The product contains organically bound halogen in accordance with the formulation.
2006/11/EC:	yes
General information:	The product was classified on the basis of the calculation procedure of the preparation directive.

13 Disposal considerations


Product:	Disposal in an incineration plant in accordance with the regulations of the local authorities. Coordinate disposal with the authorities if necessary.
Contaminated packaging:	Packaging that cannot be cleaned should be disposed of as for product. Uncontaminated packaging may be taken for recycling.
Waste no. (recommended):	080409*

14 Transport information

Classification according to ADR:	NO DANGEROUS GOODS
Classification according to IMDG:	UN 3077 Environmentally hazardous substance, solid, n.o.s. (contains Copper metal powder) 9 III MARINE POLLUTANT
- EMS	F-A, S-F
- Label:	 
- IMDG LQ	5 kg
Classification according to IATA:	NOT CLASSIFIED AS "DANGEROUS GOODS"



15 Regulatory information

Exposure scenario:	not determined
Chemical safety report:	not determined
Labelling:	The product is classified and labelled in accordance within EC-directives.
Hazard symbols:	 Harmful
Contains:	Reaction product: bisphenol-A-(epichlorhydrin) Epoxy resin (number average molecular weight ≤ 700) Diantimony trioxide
R-phrases:	R 36/38: Irritating to eyes and skin. R 40: Limited evidence of a carcinogenic effect. R 43: May cause sensitisation by skin contact. R 52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
S-phrases:	S 22: Do not breathe dust. S 26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S 36/37/39: Wear suitable protective clothing, gloves and eye/face protection. S 35: This material and its container must be disposed of in a safe way.
Special labelling:	Contains epoxy-containing compounds. Observe manufacturer's instructions.
EEC-REGULATIONS:	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
TRANSPORT-REGULATIONS:	DOT-Classification, ADR (2009); IMDG-Code (34. Amdt.); IATA-DGR (2010).
NATIONAL REGULATIONS (GB):	EH40/2005 Workplace exposure limits with amendments October 2007. CHIP 3/ CHIP 4
Authorisation, TITEL VII:	not applicable
Restrictions, TITEL VIII:	not applicable

16 Other informations

R-phrases (Chapter 03):	R 22: Harmful if swallowed. R 36/38: Irritating to eyes and skin. R 40: Limited evidence of a carcinogenic effect. R 51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R 43: May cause sensitisation by skin contact.
Hazard statements (Chapter 03):	H319 Causes serious eye irritation. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H411 Toxic to aquatic life with long lasting effects.
Observe employment restrictions for people:	yes
VOC (1999/13/CE):	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.

Copyright: Chemiebüro®