

S A F E T Y D A T A S H E E T

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : BUEHLER MASTERMET 2
 IDENTIFICATION NUMBER: 40-6380-006, 40-6380-064
 PRODUCT USE/CLASS : Polishing compound

SUPPLIER:

Buehler UK, Ltd. Saturn Building 101, Lockhurst Lane Coventry CV6 5SF ENGLAND TEL: (+44) (0) 24 7658 2158 FAX: (+44) (0) 24 7658 2159	Buehler GmbH In der Steele 2, 40599 Düsseldorf Postfach 16 03 55, 40599 Düsseldorf Telefon: (+49) 0211-974100 Telefax: (+49) 0211-9741079
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PREPARER: Technical Department, PHONE: +18472955600, PREPARE DATE: 05/07/01

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

ITEM	CHEMICAL NAME	CAS NUMBER	WT/WT%
01	Potassium hydroxide Classification: C, Xn; R22-35	1310-58-3	0.1-1.0

EXPOSURE LIMITS

ITEM	U/K		GERMANY		OTHER	SKIN
	8-HR REL	15-MIN STEL	8-HR MAK	15-MIN MAK	8-HR TWA	
01	2mg/m3	N.E.	2mg/m3	N/E	2 mg/m3	NO

(See Section 16 for abbreviation legend)

SECTION 3 - IDENTIFICATION OF HAZARDS

EMERGENCY OVERVIEW: (R36/38) Irritating to eyes and skin.

PRIMARY ROUTE(S) OF ENTRY: SKIN CONTACT, EYE CONTACT

SECTION 4 - FIRST AID MEASURES

EYE CONTACT: Immediately flush eyes with plenty of water. Get medical attention if irritation develops or persists.

SKIN CONTACT: Wash with soap and water. Get medical attention if irritation develops or persists.

INHALATION: No specific treatment is necessary since this material is not likely to be hazardous by inhalation. If exposed to excessive levels of dusts or fumes, remove to fresh air and get medical attention if cough or other symptoms develop.

INGESTION: Swallowing less than an ounce will not cause significant harm. For larger amounts, do not induce vomiting, but give one or two glasses of water to drink and get medical attention.

NOTES TO PHYSICIAN: Treat symptomatically.

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SECTION 5 - FIRE FIGHTING MEASURES

FLASH POINT: N.A.

LOWER EXPLOSIVE LIMIT: N.A.

UPPER EXPLOSIVE LIMIT: N.A.

AUTOIGNITION TEMPERATURE: N/A

EXTINGUISHING MEDIA: N/A

UNUSUAL FIRE AND EXPLOSION HAZARDS: Does not burn.

SPECIAL FIREFIGHTING PROCEDURES: Does not burn.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Reclaim clean material. Place contaminated material in covered waste container and dispose of in accordance with local and national regulations.

SECTION 7 - HANDLING AND STORAGE

HANDLING: Avoid prolonged or repeated contact with skin. Follow good general industrial safety practices during use and handling. FOR INDUSTRIAL USE ONLY.

STORAGE: Keep from freezing. KEEP OUT OF THE REACH OF CHILDREN. Use proper grounding procedures.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Good general industrial ventilation recommended.

RESPIRATORY PROTECTION: None normally required under good general industrial ventilation.

SKIN PROTECTION: Clean clothing to cover skin. Cloth or synthetic gloves.

EYE PROTECTION: Safety glasses with side shields.

OTHER PROTECTIVE EQUIPMENT: No information.

HYGIENIC PRACTICES: DO NOT reuse empty containers.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

BOILING RANGE : 212 - 260 F VAPOR DENSITY : Is lighter than air
ODOR : Mild soapy ODOR THRESHOLD : No data
APPEARANCE : Milky EVAPORATION RATE: Is slower than Butyl
SOLUBILITY IN H2O : Complete Acetate
FREEZE POINT : 32 deg F SPECIFIC GRAVITY: 1.3648
VAPOR PRESSURE : 17.5 mmHg @20C pH @ 0.0 % : N/A
PHYSICAL STATE : Liquid VISCOSITY : Low
COEFFICIENT OF WATER/OIL DISTRIBUTION: No data
(See Section 16 for abbreviation legend)

SECTION 10 - STABILITY AND REACTIVITY

CONDITIONS TO AVOID: None known.

INCOMPATIBILITY: Strong acids

HAZARDOUS DECOMPOSITION PRODUCTS: Irritating fumes.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

STABILITY: This product is stable under normal storage conditions.

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SECTION 11 - TOXICOLOGICAL PROPERTIES

No product or component toxicological information is available.

ACUTE EFFECTS - EYE CONTACT: Not expected to present a hazard in normal industrial use.

ACUTE EFFECTS - SKIN CONTACT: Not expected to present a hazard in normal industrial use.

ACUTE EFFECTS - INHALATION: Not expected to present hazard in normal industrial use.

ACUTE EFFECTS - INGESTION: May cause nausea and vomiting.

CHRONIC OVEREXPOSURE EFFECTS: No information.

SECTION 12 - ECOLOGICAL INFORMATION

ECOLOGICAL TEST DATA: No information.

SECTION 13 - DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Material as sold may be disposed of in landfill. If material becomes contaminated, follow disposal instructions for contaminant.

SECTION 14 - TRANSPORTATION INFORMATION

INTERNATIONAL SHIPPING NAME: Not regulated for transport

INTERNATIONAL ID NUMBER: N/A

IMDG CLASS (1ø,2ø): N/A

PACKING GROUP: N/A

IMDG EMS: N/A

IATA CLASS (1ø,2ø): N/A

SECTION 15 - REGULATORY INFORMATION

CHiP SUPPLY LABEL RISK PHRASES: (R36/38) Irritating to eyes and skin.
CHiP SUPPLY LABEL SAFETY PHRASES: (S24/25) Avoid contact with skin and eyes.

CHiP SUPPLY LABEL SYMBOLS: Irritant, Xi

VOLATILE ORGANIC COMPOUNDS (VOCS): 0 grams/ltr

SECTION 16 - OTHER INFORMATION

PREVIOUS MSDS REVISION DATE: 05/07/01

REASON FOR REVISION: new format

ADMINISTRATIVE REVISION DATE:

REASON FOR ADMINISTRATIVE REVISION:

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SECTION 16 - OTHER INFORMATION

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LEGEND: N.A. - No information, N.E. - Not Established,
 N.D. - Not Determined

ABBREVIATIONS: ACGIH = American Conference of Governmental Industrial Hygienists; UK = United Kingdom; REL = Recommended Exposure Limit; MAK = Maximale Arbetisplatzkonzentration (Maximum Concentration in the Workplace); TLV-TWA = Threshold Limit Value-Time Weighted Average (8 hours); STEL = Short-Term Exposure Limit (15 minutes); C = Ceiling Value; PEL = Permissible Exposure Limit

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