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M A T E R I A L   S A F E T Y   D A T A   S H E E T  
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SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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PRODUCT NAME : BUEHLER MASTERMET  
IDENTIFICATION NUMBER: 40-6370-064, 40-6370-006  
PRODUCT USE/CLASS : Polishing compound

SUPPLIER:

Buehler, Ltd.  
41 Waukegan Road  
Lake Bluff, IL 60044  
EMERGENCY: 800-424-9300  
INFORMATION: 847-295-6500

PREPARER: Technical Department, PHONE: 847-295-6500, PREPARE DATE 08/22/00

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SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

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ITEM	----- CHEMICAL NAME -----	CAS NUMBER	WT/WT%
No Hazardous Materials per 29 CFR 1910.1200			

(See Section 16 for abbreviation legend)

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SECTION 3 - HAZARDS IDENTIFICATION

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EMERGENCY OVERVIEW: Not expected to present a hazard in normal industrial use.

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

ACUTE EFFECTS - SKIN CONTACT: Substance may cause slight skin irritation.

ACUTE EFFECTS - INHALATION: Not expected to present a hazard in normal industrial use (room temperature processing).

ACUTE EFFECTS - INGESTION May cause nausea and vomiting.

CHRONIC OVEREXPOSURE EFFECTS: None known.

OTHER INFORMATION: No information.

PRIMARY ROUTE(S) OF ENTRY: None known

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SECTION 4 - FIRST AID MEASURES

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

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

INHALATION: Not a likely route of exposure. If symptoms occur, remove to fresh air. Seek medical attention if symptoms persist.

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SECTION 4 - FIRST AID MEASURES

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: No information.

SECTION 5 - FIRE FIGHTING MEASURES

FLASH POINT: N.A. LOWER EXPLOSIVE LIMIT: N.A. UPPER EXPLOSIVE LIMIT: N.A.

AUTOIGNITION TEMPERATURE No data

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. Absorb residue with clay, towels, or other absorbent material. Sweep up or pick up residue. Flush spill area with water.

SECTION 7 - HANDLING AND STORAGE

HANDLING: Follow all MSDS/label precautions even after container is emptied because it may retain product residues.

STORAGE: Keep from freezing

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: General ventilation usually adequate.

RESPIRATORY PROTECTION None normally required under general ventilation

SKIN PROTECTION: Cloth or synthetic gloves.

EYE PROTECTION: Safety glasses.

OTHER PROTECTIVE EQUIPMENT: Accessible eye wash

HYGIENIC PRACTICES: Follow good general industrial safety practices during use. Do not smoke or eat during use.

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| SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES |  
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BOILING RANGE : 212 - Unk deg F VAPOR DENSITY : Unknown  
ODOR : No appreciable ODOR THRESHOLD : No data  
APPEARANCE : White EVAPORATION RATE: Unknown  
SOLUBILITY IN H2O : Moderate  
FREEZE POINT : < 32 deg F SPECIFIC GRAVITY: 1.0153  
VAPOR PRESSURE : No data pH @ 0.0 % : N/A  
PHYSICAL STATE : Liquid VISCOSITY : Medium  
COEFFICIENT OF WATER/OIL DISTRIBUTION: No data  
(See Section 16 for abbreviation legend)

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| SECTION 10 - STABILITY AND REACTIVITY |  
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CONDITIONS TO AVOID: None known.

INCOMPATIBILITY: Strong bases or oxidants

HAZARDOUS DECOMPOSITION PRODUCTS Oxides of carbon

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 |  
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COMPONENT TOXICOLOGICAL INFORMATION: none known

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| SECTION 12 - ECOLOGICAL INFORMATION |  
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ECOLOGICAL TEST DATA: No information.

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| SECTION 13 - DISPOSAL CONSIDERATIONS |  
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DISPOSAL METHOD: Product disposed of "as sold" may be appropriate for  
municipal landfill if local regulations permit. If product becomes  
contaminated, follow disposal instructions for contaminant.

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| TRANSPORTATION INFORMATION |  
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DOT PROPER SHIPPING NAME: Not regulated

DOT TECHNICAL NAME: N/A

DOT HAZARD CLASS: N/A

HAZARD SUBCLASS: N/A

DOT UN/NA NUMBER: N/A

PACKING GROUP: N/A

RESP. GUIDE PAGE

INTERNATIONAL SHIPPING NAME: Not regulated

INTERNATIONAL ID NUMBER: N/A

IMDG CLASS (1ø,2ø): N/A

IMDG PAGE NUMBER: N/A

IMDG EMS: N/A

IATA CLASS (1ø,2ø): N/A

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## CERCLA - SARA HAZARD CATEGORY:

This product has been reviewed, and is considered, under applicable definitions, to meet the following categories: NONE

## SARA SECTION 313:

This product contains the following substances subject to the reporting requirements of Section 313 and 40 CFR part 372:

CHEMICAL NAME	CAS NUMBER	WT/WT % IS LESS THAN
No SARA Section 313 components exist in this product.		

## TOXIC SUBSTANCES CONTROL ACT:

The chemical substances in this product are on the TSCA Section 8 Inventory.

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States

CHEMICAL NAME	CAS NUMBER
No components found.	

## NEW JERSEY RIGHT-TO-KNOW:

The following materials are non-hazardous, but may be among the top five components in this product:

CHEMICAL NAME	CAS NUMBER
Water	7732-18-5
Amorphous silicon dioxide	112945-52-5

## PENNSYLVANIA RIGHT-TO-KNOW:

The following non-hazardous ingredients may be present in the product at greater than 3%:

CHEMICAL NAME	CAS NUMBER
Water	7732-18-5
Amorphous silicon dioxide	112945-52-5

## CALIFORNIA PROPOSITION 65:

No Proposition 65 chemicals known to exist in this product

VOLATILE ORGANIC COMPOUNDS (VOCs): 0 grams/ltr

CANADIAN WHMIS: This MSDS has been prepared in compliance with Controlled Product Regulations except for use of the 16 headings.

CANADIAN WHMIS CLASS: NONE

COMPONENT RCRA CLASSIFICATIONS: No information.

COMPONENT RCRA CODES: No information.

CERCLA RQ VALUE (MINIMUM): No information

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| SECTION 16 - OTHER INFORMATION

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HMIS RATINGS - HEALTH: 1      FLAMMABILITY: 0      REACTIVITY: 0

PREVIOUS MSDS REVISION DATE: various  
REASON FOR REVISION: new format

ADMINISTRATIVE REVISION DATE: 07/19/01  
REASON FOR ADMINISTRATIVE REVISION: Additions to Section 16

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

ABBREVIATIONS: ACGIH = American Conference of Governmental Industrial Hygienists; OSHA = US Occupational Safety and Health Administration; UK = United Kingdom; TLV-TWA = Threshold Limit Value-Time Weighted Average (8 hrs); STEL = Short-Term Exposure Limit (15 min); C = Ceiling Value; PEL = Permissible Exposure Limit

DISCLAIMER: To the best of our knowledge, the information contained in this MSDS is accurate or is obtained from sources believed to be accurate. However, no liability, expressed or implied, is assumed for the accuracy or completeness of the information contained herein. Buyer assumes liability in its use of the material.

Consult [www.buehler.com](http://www.buehler.com) periodically to assure latest revision

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<END OF MSDS>