

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

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : MICROPOLISH ALUMINA ALPHA, MICROPOLISH GAMMA,
BUEHLER VANGUARD MICROPOLISH
IDENTIFICATION NUMBER: 40-6351-006, 40-6352-006, 40-6353-006, 40-6354-006,
63-6351-006, 63-6352-006, 63-6353-006, 63-6354-006
PRODUCT USE/CLASS : Polishing compound

SUPPLIER:

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

PREPARER: Technical Department, PHONE: +18472955600,
PREPARE DATE: 01/12/03; 1 December, 2003

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

ITEM	CHEMICAL NAME	CAS NUMBER	WT/WT%
------	---------------	------------	--------

No Hazardous Materials are Contained in this Product -
Not considered a dangerous good per supply regulations

SECTION 3 - IDENTIFICATION OF HAZARDS

EMERGENCY OVERVIEW: Not a dangerous good for supply.

PRIMARY ROUTE(S) OF ENTRY: N/A

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.

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.

Continued on Page 2)

=====

Product: 40-6351-006, 40-6352-006, 40-6353-006, 40-6354-006, 63-6351-006,
63-6352-006, 63-6353-006, 63-6354-006

Preparation Date: 01/12/03; 1 December, 2003 Page 2

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.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Industrial ventilation.

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: N/A

HYGIENIC PRACTICES: DO NOT reuse empty containers.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

BOILING RANGE	: 100 - unk deg C	VAPOR DENSITY	: Is lighter than air
ODOR	: None	ODOR THRESHOLD	: N/A
APPEARANCE	: White	EVAPORATION RATE:	Is slower than Butyl Acetate
SOLUBILITY IN H2O	: Appreciable	SPECIFIC GRAVITY:	1.1 - 1.4
FREEZE POINT	: app.0 deg C	pH @ 0.0 %	: No data/Neutral
VAPOR PRESSURE	: 17.5mmHg@20degC	VISCOSITY	: Medium
PHYSICAL STATE	: Liquid		
COEFFICIENT OF WATER/OIL DISTRIBUTION: No data (See Section 16 for abbreviation legend)			

SECTION 10 - STABILITY AND REACTIVITY

CONDITIONS TO AVOID: No information.

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.

SECTION 11 - TOXICOLOGICAL PROPERTIES

COMPONENT TOXICOLOGICAL INFORMATION: No product or component toxicological test data available.

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

Continued on Page 3)

Product: 40-6351-006, 40-6352-006, 40-6353-006, 40-6354-006, 63-6351-006,
63-6352-006, 63-6353-006, 63-6354-006

Preparation Date: 01/12/03; 1 December, 2003

Page 3

SECTION 11 - TOXICOLOGICAL PROPERTIES

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

INTERNATIONAL ID NUMBER: N/A

IMDG CLASS (1°, 2°):

N/A

PACKING GROUP: N/A

IMDG EMS:

N/A

IATA CLASS (1°, 2°): N/A

SECTION 15 - REGULATORY INFORMATION

CHiP SUPPLY LABEL RISK PHRASES: Not a dangerous good for supply.

CHiP SUPPLY LABEL SAFETY PHRASES: N/A

CHiP SUPPLY LABEL SYMBOLS: N/A

OTHER: Safety data sheet available for professional user upon request.

VOLATILE ORGANIC COMPOUNDS (VOCS): 0 grams/ltr (calculated)

SECTION 16 - OTHER INFORMATION

PREVIOUS MSDS REVISION DATE: 05/07/01

REASON FOR REVISION: revised sections: 1,9

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

ABBREVIATIONS: Administrative Revision Date: Reason for administrative revision: 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

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.

<END OF SDS>