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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 FLAT EDGE FILLER  
IDENTIFICATION NUMBER: 20-8196  
PRODUCT USE/CLASS : Cold mounting filler

SUPPLIER:  
Buehler UK Buehler GmbH  
Milburn Hill Road In der Steele 2, 40599 Düsseldorf  
University of Warwick Science Park Postfach 16 03 55, 40599 Düsseldorf  
Coventry CV4 7HS ENGLAND  
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PREPARER: Technical Department, PHONE: +18472955600,  
PREPARE DATE: 10/14/02; 14 Oct 2002

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| SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS |  
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ITEM ----- CHEMICAL NAME ----- CAS NUMBER WT/WT%  
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No Hazardous Materials are Contained in this Product -  
Not considered a dangerous good for supply

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| SECTION 3 - IDENTIFICATION OF HAZARDS |  
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EMERGENCY OVERVIEW: not expected to present a hazard in normal professional use. Not considered a hazardous material under UK/EU regulation. Prolonged inhalation of dust from abraded material may overwhelm lungs with irritation, coughing, and headache.

PRIMARY ROUTE(S) OF ENTRY: N/A

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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 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: If swallowed, do NOT induce vomiting. Give victim a glass of water or milk. Call a physician or poison control centre immediately. Never give anything by mouth to an unconscious person.

NOTES TO PHYSICIAN: Treat symptomatically.

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| SECTION 5 - FIRE FIGHTING MEASURES |  
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FLASH POINT: N.A. LOWER EXPLOSIVE LIMIT: N.A.  
UPPER EXPLOSIVE LIMIT: N.A.

AUTOIGNITION TEMPERATURE: Does not burn

EXTINGUISHING MEDIA: Unknown

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SECTION 5 - FIRE FIGHTING MEASURES

UNUSUAL FIRE AND EXPLOSION HAZARDS: Not Applicable.

SPECIAL FIREFIGHTING PROCEDURES: Not Applicable.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Reclaim clean material. Wash spill area with soap and water.

SECTION 7 - HANDLING AND STORAGE

HANDLING: Minimize dust generation and accumulation. Follow good general industrial safety practices during use and handling.

STORAGE: Not Applicable.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: No special ventilation normally required.

RESPIRATORY PROTECTION: None normally required under good general industrial ventilation. If dust levels are excessive, or if effects occur, use an approved dust/mist respirator in accordance with national regulations and manufacturer's recommendations.

SKIN PROTECTION: Cloth or synthetic gloves. None normally required.

EYE PROTECTION: Not Applicable.

OTHER PROTECTIVE EQUIPMENT: Not Applicable.

HYGIENIC PRACTICES: DO NOT reuse empty containers.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

BOILING RANGE	: N.A.	VAPOR DENSITY	: N/A
ODOR	: None	ODOR THRESHOLD	: N/A
APPEARANCE	: White	EVAPORATION RATE	: N/A
SOLUBILITY IN H2O	: Insoluble		
FREEZE POINT	: N/A	SPECIFIC GRAVITY	: 1.86
VAPOR PRESSURE	: N/a	pH @ 0.0 %	: N/A
PHYSICAL STATE	: Powder	VISCOSITY	: N/A

COEFFICIENT OF WATER/OIL DISTRIBUTION: No data  
(See Section 16 for abbreviation legend)

SECTION 10 - STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Not Applicable.

INCOMPATIBILITY: Not Applicable.

HAZARDOUS DECOMPOSITION PRODUCTS: Not Applicable.

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.

ITEM	CHEMICAL NAME	TLV-TWA-MAK	WT/WT%
01	Aluminum oxide	10 mg/m3	1.0-10.0
02	Silicon dioxide (non-crystalline)	4 mg/m3	25.0-35.0
03	Zirconium Oxide	5 mg/m3	60.0-70.0

Toxicological Test Data: Not Applicable.

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: Extreme overexposure may clog airways with coughing.

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

CHRONIC OVEREXPOSURE EFFECTS: Not Applicable.

SECTION 12 - ECOLOGICAL INFORMATION

ECOLOGICAL TEST DATA: Not Applicable.

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 (10,20): N/A

IMDG PAGE NUMBER: N/A

IMDG EMS: N/A

IATA CLASS (10,20): N/A

SECTION 15 - REGULATORY INFORMATION

CHiP SUPPLY LABEL RISK PHRASES: None required/Not regulated.

CHiP SUPPLY LABEL SAFETY PHRASES: None required.

CHiP SUPPLY LABEL SYMBOLS: NONE REQUIRED.

VOLATILE ORGANIC COMPOUNDS (VOCS): 0 grams/ltr

SECTION 16 - OTHER INFORMATION

PREVIOUS MSDS REVISION DATE: 08/08/01

REASON FOR REVISION: updated Section(s): 1,2,3,8,15

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| SECTION 16 - OTHER INFORMATION |  
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LEGEND: N.A. - Not Applicable, 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

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<END OF SDS>