

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 ABRASIVE CUT-OFF WHEELS  
 IDENTIFICATION NUMBER: 10-4060-010 through 10-5650-005, 11-4207-010,  
 11-4217-010, 12-4310-010 through 12-4350-010,  
 12-5610-010 through 12-5650-010

PRODUCT USE/CLASS : Abrasive

SUPPLIER:

Buehler UK, Ltd.	Buehler GmbH
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PREPARER: Technical Department, PHONE: +18472955600, PREPARE DATE: 02/07/01

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

ITEM	CHEMICAL NAME	CAS NUMBER	WT/WT%
01	Aminocoumarin Classification: No information; N.E.	91-44-1	1.0-5.0
02	Sulphur Classification: No information.	7704-34-9	1.0-5.0

EXPOSURE LIMITS

ITEM	U/K		GERMANY		OTHER	SKIN
	8-HR REL	15-MIN STEL	8-HR MAK	15-MIN MAK	8-HR TWA	
01	N.E.	N.E.	N.E.	N/E	N.E.	NO
02	10 mg/m3	N.E.	10 mg/m3	N.E.	N.E.	NO

(See Section 16 for abbreviation legend)

SECTION 3 - IDENTIFICATION OF HAZARDS

EMERGENCY OVERVIEW: Not considered a dangerous good for supply.

PRIMARY ROUTE(S) OF ENTRY: INHALATION,

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: 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.

Continued on Page 2)

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Preparation Date: 02/07/01

Page 2

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:ALCOHOL FOAM,CO2,DRY CHEMICAL,FOAM,WATER FOG

UNUSUAL FIRE AND EXPLOSION HAZARDS: N/A

SPECIAL FIREFIGHTING PROCEDURES: N/A

SECTION 6 - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: N/A

SECTION 7 - HANDLING AND STORAGE

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

STORAGE: No information.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: No special ventilation normally required.

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

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

EYE PROTECTION: Safety glasses or goggles.

OTHER PROTECTIVE EQUIPMENT: None normally required.

HYGIENIC PRACTICES: DO NOT reuse empty containers.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

BOILING RANGE	: 69 - 69 C	VAPOR DENSITY	: Is heavier than air
ODOR	: Mild sulphurous	ODOR THRESHOLD	: N/A
APPEARANCE	: Solid wheel	EVAPORATION RATE:	Is slower than Butyl Acetate
SOLUBILITY IN H2O	: Insoluble	SPECIFIC GRAVITY:	2.8898
FREEZE POINT	: N/A	pH @ 0.0 %	: N/A
VAPOR PRESSURE	: N/a	VISCOSITY	: N/A
PHYSICAL STATE	: Solid		

COEFFICIENT OF WATER/OIL DISTRIBUTION: No data

SECTION 10 - STABILITY AND REACTIVITY

CONDITIONS TO AVOID: None known.

INCOMPATIBILITY: None known.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon from burning of base.  
Oxides of sulphur. Hydrocarbons from incomplete combustion.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

STABILITY: This product is stable under normal storage conditions.

Continued on Page 3)

SECTION 11 - TOXICOLOGICAL PROPERTIES

No product or component toxicological information is available.

Toxicological Test Data: No information.

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: Dust may be irritating.

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

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: Not considered a dangerous good for supply.  
CHiP SUPPLY LABEL SAFETY PHRASES: No information.  
CHiP SUPPLY LABEL SYMBOLS: No information.

VOLATILE ORGANIC COMPOUNDS (VOCS): 0 grams/ltr

SECTION 16 - OTHER INFORMATION

PREVIOUS MSDS REVISION DATE: 02/07/01  
REASON FOR REVISION: new format

ADMINISTRATIVE REVISION DATE:  
REASON FOR ADMINISTRATIVE REVISION:

Continued on Page 4)

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Preparation Date: 02/07/01 Page 4

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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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