
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 CHROMIC OXIDE
 IDENTIFICATION NUMBER: 40-6480-016, 40-6480-080
 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
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PREPARER: Technical Department, PHONE: +18472955600, PREPARE DATE: 02/07/01

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SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

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ITEM	CHEMICAL NAME	CAS NUMBER	WT/WT%
01	Chromium oxide Classification: No information; N.E.	1308-38-9	60.0-100.0

----- EXPOSURE LIMITS -----

	U/K		GERMANY		OTHER	
ITEM	8-HR REL	15-MIN STEL	8-HR MAK	15-MIN MAK	8-HR TWA	SKIN
01*	0.5 mg/m3	N.E.	1.0 mg/m3	N/E	N.E.	NO

*(as Chromium metal)
 (See Section 16 for abbreviation legend)

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SECTION 3 - IDENTIFICATION OF HAZARDS

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EMERGENCY OVERVIEW: Not regulated under ChiP regulations.

PRIMARY ROUTE(S) OF ENTRY: INHALATION,

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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

FLASH POINT: N.A.

LOWER EXPLOSIVE LIMIT: N.A.

UPPER EXPLOSIVE LIMIT: N.A.

AUTOIGNITION TEMPERATURE:

EXTINGUISHING MEDIA: Unknown

UNUSUAL FIRE AND EXPLOSION HAZARDS: No information.

SPECIAL FIREFIGHTING PROCEDURES: No information.

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: 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: No information.

OTHER PROTECTIVE EQUIPMENT: No information.

HYGIENIC PRACTICES: DO NOT reuse empty containers.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

BOILING RANGE	: N.A.	VAPOR DENSITY	: Is heavier than air
ODOR	: none	ODOR THRESHOLD	: none
APPEARANCE	: greean	EVAPORATION RATE:	Is slower than Butyl Acetate
SOLUBILITY IN H2O	: insoluble	SPECIFIC GRAVITY:	5.1009
FREEZE POINT	: N/D	pH @ 0.0 %	: N/D
VAPOR PRESSURE	: N/D	VISCOSITY	: N/A
PHYSICAL STATE	: Powder		
COEFFICIENT OF WATER/OIL DISTRIBUTION: N/D (See Section 16 for abbreviation legend)			

SECTION 10 - STABILITY AND REACTIVITY

CONDITIONS TO AVOID: None known.

INCOMPATIBILITY: Strong acids.

HAZARDOUS DECOMPOSITION PRODUCTS: none known.

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.

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: Not expected to present a hazard. *NOTE: This product contains Chromium (III), and is not known to contain any Chromium (VI).

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

CHRONIC OVEREXPOSURE EFFECTS: None known.

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 considered a dangerous good for transport.

INTERNATIONAL ID NUMBER: N/A

IMDG CLASS (10,20): N/A

PACKING GROUP: N/A

IMDG EMS: N/A

IATA CLASS (10,20): N/A

SECTION 15 - REGULATORY INFORMATION

CHIP SUPPLY LABEL RISK PHRASES: No information.

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:

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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