

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 ULTRAMET, ULTRAMET 2 CLEANING SOLUTION  
IDENTIFICATION NUMBER: 75-5000-032, 75-6000-002, 75-6000-032  
PRODUCT USE/CLASS : Cleaning Solution

SUPPLIER:

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PREPARE DATE: 23/12/02; 23 Dec 2002

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

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

SECTION 3 - IDENTIFICATION OF HAZARDS

EMERGENCY OVERVIEW: Not expected to present a hazard in normal professional use. Not considered a dangerous good for supply.

PRIMARY ROUTE(S) OF ENTRY: Not applicable

SECTION 4 - FIRST AID MEASURES

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

SKIN CONTACT: Flush with 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: Unknown

UNUSUAL FIRE AND EXPLOSION HAZARDS: Does not burn.

SPECIAL FIREFIGHTING PROCEDURES: Does not burn.

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SECTION 6 - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Flush clean material into municipal, industrial, or sanitary drains if local regulations permit. If material is contaminated, review instructions for contaminant to determine proper procedures.

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.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: None normally required.

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: No information.

HYGIENIC PRACTICES: DO NOT reuse empty containers.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

BOILING RANGE	: N.A.	VAPOR DENSITY	: Is lighter than air
ODOR	: Mild soapy	ODOR THRESHOLD	: No data
APPEARANCE	: clear	EVAPORATION RATE	: Is slower than Butyl Acetate
SOLUBILITY IN H2O	: Clear	SPECIFIC GRAVITY	: 1.00
FREEZE POINT	: No data	pH @ 0.0 %	: 6-8
VAPOR PRESSURE	: No data	VISCOSITY	: Low
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: Chlorine bleach. Strong acids.

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: none known

Toxicological Test Data: No information.

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SECTION 11 - TOXICOLOGICAL PROPERTIES

ACUTE EFFECTS - EYE CONTACT: May cause slight transient irritation with tearing and redness.  
ACUTE EFFECTS - SKIN CONTACT: Substance may cause slight skin irritation.  
ACUTE EFFECTS - INHALATION: Not expected to present a hazard in normal industrial use.  
ACUTE EFFECTS - INGESTION: May cause nausea and vomiting. Small amounts (a tablespoonful) swallowed during normal handling operations are not likely to cause injury; swallowing amounts larger than that may cause injury.

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 (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: None required.  
CHiP SUPPLY LABEL SAFETY PHRASES: None required.  
CHiP SUPPLY LABEL SYMBOLS: None required.  
OTHER: RESTRICTED TO PROFESSIONAL USERS. Safety Data Sheet available for professional user on request.

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

SECTION 16 - OTHER INFORMATION

PREVIOUS MSDS REVISION DATE: 12/23/02; 23 Dec 2002  
REASON FOR REVISION: Revise Section(s): 3,4,6,9,11,15

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

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