



MATERIAL SAFETY DATA SHEET

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: BUEHLER UltraMet 2 Sonic Cleaning Solution
 IDENTIFICATION NUMBER: 63-6000-006, 75-6000-032
 PRODUCT USE/CLASS: CLEANING SOLUTION

SUPPLIER:
 BUEHLER, LTD
 41 WAUKEGAN ROAD
 LAKE BLUFF, IL 60044

EMERGENCY: 800-424-9300
 INFORMATION: 847-295-6500
 PREPARER: Technical Department, 847-295-6500
 PREPARE DATE: FEBURARY 10, 2009

SECTION 2 – COMPOSITION/INFORMAITON ON INGREDIENTS

ITEM	CHEMICAL NAME	CAS NUMBER	WT/WT%
NO HAZARDOUS INGREDIENTS PER 29 CFR 1910.1200			

ITEM	ACGIH TLV-TWA	ACGIH TLV-STEL	OSHA PEL-TWA	OSHA PEL – CEILING	COMPANY TLV-TWA	SKIN
NOT APPLICABLE						

(SEE SECTION 16 FOR ABBREVIATION LEGEND)

SECTION 3 – HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: PROLONGED CONTACT WITH EYES MAY CAUSE IRRITATION.
 ACUTE EFFECTS – EYE CONTACT: PROLONGED CONTACT WITH EYES MAY CAUSE TEMPORARY IRRITATION WITH REDNESS AND TEARING.
 ACUTE EFFECTS - SKIN CONTACT: SUBSTANCE MAY CAUSE SLIGHT SKIN IRRITATION.
 ACUTE EFFECTS – INHALATION: NOT EXPECTED TO PRESENT A HAZARD IN NORMAL INDUSTRIAL USE (ROOM TEMPERATURE PROCESSING).
 ACUTE EFFECTS - INGESTION: MAY CAUSE NAUSEA, VOMITING, AND DIARRHEA.
 CHRONIC OVEREXPOSURE EFFECTS: NOT APPLICABLE.
 OTHER INFORMATION: NOT APPLICABLE.
 PRIMARY ROUTE(S) OF ENTRY: UNKNOWN

SECTION 4 – FIRST AID MEASURES

EYE CONTACT: IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER. GET MEDICAL ATTENTION, IF IRRITATION PERSISTS.

SKIN CONTACT: FLUSH WITH WATER. GET MEDICAL ATTENTION IF IRRITATION DEVELOPS OR PERSISTS.

INHALATION: IF SYMPTOMS OCCUR, REMOVE TO FRESH AIR. SEEK MEDICAL ATTENTION IF SYMPTOMS PERSIST.

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: NOT APPLICABLE

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: DOES NOT BURN

UNUSUAL FIRE AND EXPLOSION HAZARDS: DOES NOT BURN

SPECIAL FIREFIGHTING PROCEDURES: DOES NOT BURN

SECTION 6 – ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: FLUSH CLEAN MATERIAL INTO SANITARY SEWER SYSTEM IF LOCAL REGULATIONS PERMIT. IF CONTAMINATED, REVIEW PROCEDURES FOR CONTAMINANT.

SECTION 7 – HANDLING AND STORAGE

HANDLING: AVOID CONTACT WITH SKIN AND EYES.

STORAGE: KEEP FROM FREEZING.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: GENERAL VENTILATION USUALLY ADEQUATE.

RESPIRATORY PROTECTION: NONE NORMALLY REQUIRED UNDER GENERAL VENTILATION.

SKIN PROTECTION: CLEAN CLOTHING TO COVER SKIN. CLOTH OR SYNTHETIC GLOVES.

EYE PROTECTION: SAFETY GLASSES.

OTHER PROTECTIVE EQUIPMENT: NONE NORMALLY REQUIRED.

HYGIENIC PRACTICES: FOLLOW GOOD GENERAL INDUSTRIAL SAFETY PRACTICES DURING USE. DO NOT SMOKE OR EAT DURING USE.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

BOILING RANGE:	APPR 212 DEG F	VAPOR DENSITY:	IS LIGHTER THAN AIR
ODOR:	MILD SWEET	ODOR THRESHOLD:	NO DATA
APPEARANCE:	BLUE	EVAPORATION RATE:	IS SLOWER THAN BUTYL ACETATE
SOLUBILITY IN H ₂ O:	COMPLETE	SPECIFIC GRAVITY:	1.00
VAPOR PRESSURE:	17.5MMHg @20 deg C	pH @ 0.0%:	N.D.

PHYSICAL STATE: LIQUID	VISCOSITY: LOW
COEFFICIENT OF WATER/OIL DISTRIBUTION: N.A.	
(SEE SECTION 16 FOR ABBREVIATION LEGEND)	

SECTION 10 – STABILITY AND REACTIVITY

CONDITIONS TO AVOID: NOT APPLICABLE
 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

NO PRODUCT OR COMPONENT TOXICOLOGICAL INFORMATION IS AVAILABLE.

SECTION 12 – ECOLOGICAL INFORMATION

ECOLOGICAL TEST DATA: NOT AVAILABLE.

SECTION 13 – DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: REVIEW ALL CURRENT FEDERAL, STATE, AND LOCAL REGULATIONS REGARDING HEALTH AND DISPOSAL FOR APPROPRIATE DISPOSAL PROCEDURES. NOT REGULATED AS A HAZARDOUS WASTE IF DISPOSED OF 'AS SOLD'. IF CONTAMINATED, FOLLOW DISPOSAL INSTRUCTIONS FOR CONTAMINANT.

SECTION 14 – TRANSPORTATION INFORMATION

DOT PROPER SHIPPING NAME: NOT REGULATED FOR TRANSPORT.	
DOT TECHNICAL NAME: N.A.	
DOT HAZARD CLASS: N.A.	HAZARD SUBCLASS: N.A.
DOT UN/NA CLASS: N.A.	PACKAGING GROUP: N.A.
	RESP. GUIDE PAGE:
INTERNATIONAL SHIPPING NAME: NOT REGULATED FOR TRANSPORT	
INTERNATIONAL ID NUMBER: N.A.	
IMDG CLASS (1°, 2°): N.A.	IMDG PAGE NUMBER: N.A.
IMDG EMS: N.A.	IATA CLASS (1°, 2°): N.A.

SECTION 15 – REGULATORY INFORMATION

OSHA:

CERCLA – SARA HAZARD CATEGORY: THIS PRODUCT HAS BEEN REVIEWED, AND IS CONSIDERED, UNDER APPLICABLE DEFINITIONS, TO MEET THE FOLLOWING CATEGORIES: NONE

SARA SECTION 313: THIS PRODUCT CONTAINS THE FOLLOWING SUBSTANCES SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 AND 40 CFR PART 372: NO SARA SECTION 313 COMPONENTS EXIST IN THIS PRODUCT.

TOXIC SUBSTANCE CONTROL ACT: THE CHEMICAL SUBSTANCES IN THIS PRODUCT ARE ON THE TSCA SECTION 8 INVENTORY. THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL SUBSTANCES SUBJECT TO THE REPORTING REQUIREMENTS OF TSCA 12(B) IF EXPORTED FROM THE UNITED STATES: NO COMPONENTS FOUND.

NEW JERSEY RIGHT-TO-KNOW: THE FOLLOWING MATERIALS ARE NON-HAZARDOUS, BUT ARE AMONG THE TOP 5 COMPONENTS IN THIS PRODUCT: NOT REGULATED.

PENNSYLVANIA RIGHT-TO-KNOW: THE FOLLOWING NON-HAZARDOUS INGREDIENTS ARE PRESENT IN THE PRODUCT AT GREATER THAN 3%: NOT REGULATED.

CALIFORNIA PROPOSITION 65: NO PROPOSITION 65 CHEMICALS KNOWN TO EXIST IN THIS PRODUCT.

CANADIAN WHMIS: THIS MSDS HAS BEEN PREPARED IN COMPLIANCE WITH CONTROLLED PRODUCT REGULATIONS EXCEPT FOR USE OF THE 16 HEADINGS.

CANADIAN WHMIS CLASS: NONE

COMPONENT RCRA CLASSIFICATIONS: NOT APPLICABLE

COMPONENT RCRA CODES: NOT APPLICABLE

CERCLA RQ VALUE (MINIMUM): NOT APPLICABLE

SECTION 16 – OTHER INFORMATION

HMIS RATINGS

HEALTH: 0

FLAMMABILITY: 0

REACTIVITY: 0

PREVIOUS MSDS REVISION DATE: OCTOBER 14, 2005

REASON FOR REVISION: SEPERATED OUT 2 PRODUCTS, NEW MSDS

VOLATILE ORGANIC COMPOUNDS: 0 GRAMS/LTR (CALCULATED)

LEGEND:

N.A. – NO INFORMATION

N.E. – NOT ESTABLISHED

N.D. – NOT DETERMINED

ABBREVIATIONS: ACGIH = AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS; OSHA = OCCUPATIONAL HEALTH AND SAFETY ADMINISTRATION; 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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