

Material Safety Data Sheet

Effective Date: 23-JAN-2000
Product: BUFFER XTRA STRENGTH

I. IDENTIFICATION

Chemical Name: NOT APPLICABLE, FORMULATED MIXTURE.
Chemical Family: ANIONIC SURFACTANT
Formula: NOT APPLICABLE, FORMULATED MICTURE
Synonyms: HM-8910, BUFFER XS
CAS Number: SEE INGREDIENT STATEMENT, SECTION III.
EPA Number: NONE REQUIRED

II. PHYSICAL DATA

Boiling Point: >200 DEGREES F.
Freezing Point: <35 DEGREES F.
Spec Gravity: 1.193 GMS/CC
Vapor Pressure: NOT DETERMINED
Vapor Density: NOT DETERMINED
Solubility: 100%
Volatiles: <0.5%
Evaporation: NOT DETERMINED
Melting Point: NOT DETERMINED
Appearance: CLEAR YELLOW LIQUID, SURFACTANT ODOR.

III. INGREDIENTS

Material	CAS Number	Percent	TLV	Hazard
PROPRIETARY BLEND OF ALKYL ARYL POLYETHOXY ETHANOL PHOSPHATES AND ORGANIC PHOSPHATIC ACIDS		50.00	SEE INGRED 3 & 4	CORROSIVE, SKIN & EYE IRRITANT
WATER AND FORMULATION AIDS		50.00	NOT APPLICA BLE	NONHAZARDOUS
METHYL ALCOHOL	00067-56-1		262 PPM (SKIN)	
PHOSPHORIC ACID	07664-38-2		1 MG/M3	

IV. FIRE AND EXPLOSION HAZARD

Flash Point: >200 DEGREES F.
Autoignition Temp: NOT DETERMINED
Flammable Limit: NOT DETERMINED
Extinguishing Media: WATER, ALCOHOL FOAM, DRY CHEMICAL, AND CARBON
DIOXIDE.
Special Fire Fight Proc: WEAR A (POSITIVE PRESSURE) SELF-CONTAINED

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Breathing Apparatus and Protective Clothing.
Fire and Expl Hazard: MAY PRODUCE HAZARDOUS FUMES OR HAZARDOUS
DECOMPOSITION PRODUCTS UNDER FIRE CONDITIONS.
(USE EMERGENCY RESPONSE GUIDE # 154)

V. HEALTH HAZARD

Carcinogen Information: NONE CURRENTLY KNOWN.

ACUTE EFFECTS OF OVER EXPOSURE

Swallowing: HARMFUL IF SWALLOWED, MAY CAUSE CORROSIVE
DAMAGE TO THE DIGESTIVE TRACT.
Skin Absorption: NO DATA AVAILABLE, LOW HAZARD EXPECTED.
Inhalation: HARMFUL IF INHALED, MAY CAUSE IRRITATION TO
THE NASAL PASSAGES.
Skin contact: MAY RESULT IN SEVERE SKIN IRRITATION.
Eye Contact: MAY RESULT IN SEVERE EYE IRRITATION.
Chronic Effects: CHRONIC EFFECTS AND MEDICAL CONDITIONS
AGGRAVATED BY OVER-EXPOSURE TO THIS PRODUCT
HAVE NOT BEEN ESTABLISHED.
Other Hazard: NONE CURRENTLY KNOWN.

EMERGENCY AND FIRST AID PROCEDURES

Swallowing: IF SWALLOWED, DO NOT INDUCE VOMITING.
IMMEDIATELY DRINK A LARGE QUANTITY OF MILK OR
WATER AND CALL A PHYSICIAN. NEVER GIVE ANYTHING
BY MOUTH TO AN UNCONSCIOUS PERSON.
Skin: IMMEDIATELY WASH SKIN WITH SOAP AND WATER,
WHILE REMOVING CLOTHING AND SHOES. IF
IRRITATION DEVELOPS, CONSULT A PHYSICIAN.
Inhalation: MOVE TO FRESH AIR. IF BREATHING BECOMES
DIFFICULT, OBTAIN MEDICAL ATTENTION
IMMEDIATELY.
Eyes: IMMEDIATELY FLUSH EYES WITH WATER FOR 15
MINUTES, HOLDING EYELIDS OPEN. IMMEDIATELY
CALL A PHYSICIAN.
Notes to Physician: IN THE EVENT OF AN ADVERSE RESPONSE, TREATMENT
SHOULD BE DIRECTED TOWARD CONTROL OF THE
SYMPTOMS. IF SWALLOWED, PRODUCT MAY CAUSE
CORROSIVE DAMAGE TO THE DIGESTIVE TRACT.

VI. REACTIVITY

Stability: Stable
Conditions to Avoid: NONE CURRENTLY KNOWN.

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Polymerization: Will Not Occur
Conditions to Avoid: NONE CURRENTLY KNOWN.
Incompatibility material: ALKALI, CYANIDES, SULFIDES, ALUMINUM, MAGNESIUM,
ZINC AND CHLORINE RELEASES.
Hazardous Combustion: WHEN HEATED TO DECOMPOSITION, PRODUCT WILL
PRODUCE OXIDES OF PHOSPHOROUS.

VII. SPILL OR LEAK PROCEDURES

Spill or Leak Proc: ROPE OFF CONTAMINATED AREA, COVER THE SPILL
WITH AN ABSORBENT, SUCH AS CLAY, SAND, OR
SAWDUST. PLACE IN RECOVERY DRUMS FOR PROPER
DISPOSAL.
Waste Disposal Method: THIS MATERIAL MUST BE DISPOSED OF ACCORDING TO
FEDERAL, STATE, OR LOCAL PROCEDURES UNDER THE
RESOURCE CONSERVATION AND RECOVERY ACT.

VIII. SPECIAL PROTECTION INFORMATION

Respiration: IF AN OSHA PEL IS EXCEEDED, THEN A NIOSH-
APPROVED RESPIRATOR WITH AN ACID GAS CARTRIDGE
OR SUPPLIED AIR IS RECOMMENDED.
Ventilation: LOCAL EXHAUST SUFFICIENT.
Gloves: IMPERVIOUS
Eyes: CHEMICAL WORKERS GOGGLES.
Other: EYEWASH STATION, IMPERVIOUS APRON, FOOTWEAR,
AND FACESHIELD IF SPLASHING ANTICIPATED.

IX. SPECIAL PRECAUTIONS

Special precaution: KEEP OUT OF REACH OF CHILDREN. DO NOT STORE
WITH FOOD, FEED, OR OTHER MATERIAL TO BE USED
OR CONSUMED BY HUMANS OR ANIMALS. DO NOT
CONTAMINATE WATER SUPPLIES, LAKES, STREAMS, OR
PONDS.
Other precaution: A) RCRA HAZARDOUS WASTE NUMBER: D002 & U154
METHYL ALCOHOL
B) SARA TITLE III, SECTION 313: PHOSPHORIC
ACID (25.0%)
C) SARA THRESHOLD PLANNING QUANTITY: NOT
LISTED
D) CERCLA REPORTABLE QUANTITY: 2,000 GALLONS
E) 49 CFR 172.101, APPENDIX A: HAZARDOUS
SUBSTANCE
F) 49 CFR 172.101, APPENDIX B: NOT LISTED

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X. SHIPPING INFORMATION

Shipping name: CORROSIVE LIQUIDS, N.O.S., (CONTAINS PHOSPHORIC
ACID), 8, UN 1760, PG III (ERG # 154)
Hazard Class: CORROSIVE (8)
Identification No: UN 1760
Labels Required: CORROSIVE (8)
Placarding: CORROSIVE (8)
Freight Class: ADJUVANT, SPREADER OR STICKER, LIQUID, NOIBN
Chemical Name Equivalent R.Q.

PHOSPHORIC ACID (CAS #7664-38-2) 5000 LB/2270 KG
METHYL ALCOHOL (CAS #0067-56-1) 5000 LB/2270 KG

XI. GENERAL PRODUCT INFORMATION

National Fire Protection Association Rating:
(Rating level: 4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum)

Health: 2 Fire: 1 Reactivity: 0

S.A.R.A. Title III Hazard Classification: (Yes/No)

Immediate (Acute) Health: Y Delayed (Chronic) Health: N
Sudden Release of pressure: N Fire: N
Reactive: N

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