

BUFFER XTRA STRENGTH

Helena Chemical Company
PH: 901-761-0050

CHEMTREC: 1-800-424-9300

Effective Date: 01-23-00

Product: BUFFER XTRA STRENGTH

I. IDENTIFICATION

Chemical Name: NOT APPLICABLE, FORMULATED MIXTURE.

Chemical Family: ANIONIC SURFACTANT

Formula: NOT APPLICABLE, FORMULATED MIXTURE

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 INGREDED 3 & 4	CORROSIIVE, SKIN & EYE IRRITANT
WATER AND FORMULATION AIDS		50.00	NOT APPLICABLE	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 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 OVEREXPOSURE 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.

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

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

Mail inquiries to: 225 Schilling Blvd., Suite 300 Collierville, TN 38017

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