

Helena Chemical Company
PH: 901-761-0050
CHEMTREC: 800-424-9300

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Material Safety Data Sheet

Effective Date: 25-JAN-2011
Product: BUFFER PS (CORROSIVE)

I. IDENTIFICATION

Chemical Name: NOT APPLICABLE, FORMULATED MIXTURE.
Chemical Family: SURFACTANTS
Formula: NOT APPLICABLE, FORMULATED MIXTURE.
Synonyms: NONE
CAS Number: SEE INGREDIENT STATEMENT, SECTION III.
EPA Number: CAL. REG. NO. 5905-50062-ZA

II. PHYSICAL DATA

Boiling Point: >200 DEGREES F.
Freezing Point: <35 DEGREES F.
Spec Gravity: 1.030 GMS/CC
Vapor Pressure: NOT AVAILABLE
Vapor Density: NOT AVAILABLE
Solubility: 100%
Volatiles: <0.5%
Evaporation: NOT AVAILABLE
Melting Point: NOT AVAILABLE
Appearance: LIGHT BROWN LIQUID, SURFACTANT ODOR.

III. INGREDIENTS

Material	CAS Number	Percent	TLV	Hazard
ALKYL ARYL POLYETHOXY ETHANOL PHOSPHATES AND ORGANIC PHOSPHATIC ACIDS		30.00	SEE INGRED 3 & 4	CORROSIVE, SKIN & EYE IRRITANT
WATER AND FORMULATION AIDS METHYL ALCOHOL	00067-56-1	70.00	N/E 262 PPM (SKIN)	NOT APPLICABLE
PHOSPHORIC ACID	07664-38-2		1 MG/M3	

IV. FIRE AND EXPLOSION HAZARD

Flash Point: >200 DEGREES F.
Autoignition Temp: NOT APPLICABLE
Flammable Limit: NOT APPLICABLE
Extinguishing Media: USE WATER, ALCOHOL FOAM, DRY CHEMICAL, AND
CARBON DIOXIDE EXTINGUISHING AGENTS.
Special Fire Fight Proc: WEAR SELF-CONTAINED (POSITIVE PRESSURE)
BREATHING APPARATUS AND FULL PROTECTIVE
CLOTHING.

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Fire and Expl Hazard: MAY PRODUCE CARBON MONOXIDE, CARBON DIOXIDE
AND OXIDES OF PHOSPHOROUS UNDER FIRE
CONDITIONS.

V. HEALTH HAZARD

Carcinogen Information: NONE CURRENTLY KNOWN

ACUTE EFFECTS OF OVER EXPOSURE

Swallowing: INGESTION CAUSES IRRITATION TO THE THROAT AND
VOMITING.
Skin Absorption: MAY BE HARMFUL IF ABSORBED THROUGH SKIN.
Inhalation: MILD IRRITATION TO THE NASAL PASSAGES OCCURS
AT VERY HIGH CONCENTRATIONS.
Skin contact: PROLONGED OR FREQUENTLY REPEATED SKIN CONTACT
MAY CAUSE ALLERGIC REACTIONS.
Eye Contact: MAY CAUSE SUBSTANTIAL, BUT TEMPORARY EYE
INJURY.
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: DO NOT INDUCE VOMITING. PROMPTLY DRINK A LARGE
QUANTITY OF MILK, EGG WHITES, GELATIN
SOLUTION, OR IF THESE ARE NOT AVAILABLE, DRINK
LARGE QUANTITIES OF WATER. CALL A DOCTOR OR
GET MEDICAL ATTENTION.
Skin: WASH SKIN THOROUGHLY WITH SOAP AND WATER. IF
IRRITATION DEVELOPS, GET MEDICAL ATTENTION.
Inhalation: IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION,
PREFERABLY MOUTH TO MOUTH. GET MEDICAL
ATTENTION.
Eyes: HOLD EYELIDS OPEN AND FLUSH EYES WITH A
STEADY, GENTLE STREAM OF WATER FOR 15 MINUTES.
GET MEDICAL ATTENTION.
Notes to Physician: IN THE EVENT OF AN ADVERSE RESPONSE, TREATMENT
SHOULD BE DIRECTED TOWARD CONTROL OF THE
SYMPTOMS.

VI. REACTIVITY

Stability: Stable

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Conditions to Avoid: NONE CURRENTLY KNOWN.
Polymerization: Will Not Occur
Conditions to Avoid: NONE CURRENTLY KNOWN.
Incompatibility material: AVOID CONTACT WITH ALKALINE MATERIALS AND
STRONG OXIDIZERS.
Hazardous Combustion: MAY PRODUCE CARBON MONOXIDE, CARBON DIOXIDE
AND OXIDES OF PHOSPHOROUS UNDER FIRE
CONDITIONS.

VII. SPILL OR LEAK PROCEDURES

Spill or Leak Proc: DIKE AND ABSORB SPILL WITH AN ABSORBENT SUCH
AS CLAY, SAND, OR SAWDUST. TRANSFER TO
SUITABLE CONTAINERS FOR PROPER DISPOSAL. FLUSH
SPILL AREA WITH WATER, ABSORB AND PLACE IN
CONTAINERS WITH OTHER MATERIAL.
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: USE NIOSH-APPROVED RESPIRATOR WITH ORGANIC
VAPOR CARTRIDGE IF VAPOR CONCENTRATIONS EXCEED
TLV.
Ventilation: USE LOCAL MECHANICAL EXHAUST VENTILATION.
Gloves: IMPERVIOUS GLOVES.
Eyes: SPLASHPROOF GOGGLES.
Other: EYE WASH STATION, IMPERVIOUS APRON , FOOTWEAR
AND FACE SHIELD 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. DO NOT STORE NEAR HEAT OR OPEN FLAMES.
DO NOT STORE NEAR OXIDIZING AGENTS. STORE IN
ORIGINAL CONTAINER.
Other precaution: A) RCRA HAZARDOUS WASTE NUMBER: D002
(CORROSIVITY)
B) SARA TITLE III, SECTION 313: PHOSPHORIC
ACID (.25 TO 1.80%)
C) SARA THRESHOLD PLANNING QUANTITY: 10,000

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LBS.
D) CERCLA REPORTABLE QUANTITY: 100 LB. (AS A
D002 WASTE)
E) 49 CFR 172.101, APPENDIX A: HAZARDOUS
SUBSTANCES
F) CHECK LOCAL STATE WORKER AND COMMUNITY
RIGHT-TO-KNOW LAWS.

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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