

===== Product Identification =====

Product ID:LIQUID DESCALER

MSDS Date:11/01/1992

FSC:6850

NIIN:01-198-6633

MSDS Number: BTKVM

=== Responsible Party ===

Company Name:AMSCO SCIENTIFIC,DIVISION OF AMERICAN STERILIZER

Address:1002 LUFKIN RD.

City:APEX

State:NC

ZIP:27502

Country:US

Info Phone Num:919-362-0842

Emergency Phone Num:919-362-0842

Preparer's Name:LORI HALLER

CAGE:JO

507

=== Contractor Identification ===

Company Name:AMERICAN STERILIZER CO

Address:2424 W. 23RD ST

Box:City:ERIE

State:PA

ZIP:16514

Country:US

Phone:814-452-3100 / 814-870-8350

CAGE:02964

Company Name:AMSCO SCIENTIFIC

Address:1002 LUFKIN RD

Box:City:APEX

State:NC

ZIP:27902

Country:US

Phone:919-362-0842

CAGE:0T1E8

Company Name:AMSCO SCIENTIFIC

Address:1002 LUFKIN RD

Box:City:APEX

State:NC

ZIP:27902

Country:US

Phone:919-362-0842

CAGE:JO507

===== Composition/Information on Ingredients =====

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Ingred Name:PHOSPHORIC ACID (SARA III)
CAS:7664-38-2
RTECS #:TB6300000
Fraction by Wt: 50%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:1 MG/M3
ACGIH TLV:1 MG/M3/3 STEL; 9394
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:GLYCOLIC ACID (HYDROXYACETIC ACID)
CAS:79-14-1
RTECS #:MC5250000
Fraction by Wt: 3%
Other REC Limits:NONE RECOMMENDED

Ingred Name:WATER
CAS:7732-18-5
RTECS #:ZC0110000
Fraction by Wt: BALANCE
Other REC Limits:NONE RECOMMENDED

===== Hazards

Identification =====

LD50 LC50 Mixture:ORAL LD50 (RAT) IS 1530MG/KG(H*3PO*4)
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:EYES:CORROSIVE.MAY CAUSE SEVERE
BURNS.SKIN:CORROSIVE.MAY CAUSE SEVERE BURNS.INHAL:SEVERE IRRITANT
TO NOSE,THROAT AND LUNGS.INGEST:CORROSIVE.WILL CAUSE SEVERE BURNS
AND TISSUE DAMAGE TO THE MOUTH,THROA T,ESOPHAGUS AND STOMACH.
Explanation of Carcinoge
nicity:THERE ARE NO INGREDIENTS ABOVE 0.1%
WHICH ARE IDENTIFIED AS CARCINOGENS BY NTP,IARC OR OSHA.
Effects of Overexposure:INHAL:WILL CAUSE BURNING
SENSATION,COUGHING,WHEEZING,BRONCHITIS,PNUEMONITIS,PULMONARY EDEMA.
Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING
RESPIRATORY AILMENTS MAY BE AT INCREASED RISK FROM EXPOSURE.

===== First Aid Measures =====

First Aid:SKIN:REMOVE CONTAMINATED CLOTHING;WASH WITH WATER.EYES:FLUSH
WI

TH WATER FOR 15 MINUTES.INHAL:REMOVE TO FRESH AIR.GIVE OXYGEN OR
ARTIFICIAL RESPIRATION IF NEEDED.INGEST:DO NOT INDUCE VOMITING.GET
PROMPT QUALIFIED MEDICAL ATTENTION.IF CONSCIOUS,GIVE LARGE AMOUNTS
OF WATER.

===== Fire Fighting Measures =====

Flash Point:NONE

Extinguishing Media:WATER FOG OR CARBON DIOXIDE.

Fire Fighting Procedures:USE A SELF-CONTAINED BREATHING APPARATUS AND
FULL PROTECTIVE EQUIPMENT.

Unusual Fire/Explosion Hazard:PRODUCT WILL NOT BURN,BUT MAY SPATTER IF
HEATED ABOVE ITS BOILING POINT(275F).

===== Accidental Release Measures =====

Spill Release Procedures:SMOTHER WITH EXCESS LIME OR SODA ASH;SCOOP
INTO AN APPROPRIATE LABELLED CONTAINER FOR DISPOSAL.

Neutralizing Agent:LIME,SODA ASH.

===== Handling and Storage =====

Handling and Storage Precautions:STORE IN A COOL,DRY,WELL-VENTILATED
PLACE.KEEP CONTAINER CLOSED WHEN NOT IN USE.KEEP AWAY FROM

ALKALIES,SULFIDES AND SULFITES.

Other Precautions:NONE

===== Exposure Controls/Personal Protection =====

Respiratory Protection:WHERE ENVIRONMENTAL CONTROLS ARE LACKING OR IN
ENCLOSED SPACES USE A SELF-CONTAINED BREATHING APPARATUS.

Ventilation:LOCAL VENTILATION AT THE WORKSITE;MECHANICAL(GENERAL)
VENTILATION TO MAINTAIN TLV/PEL.

Protective Gloves:NEOPRENE.

Eye Protection:SPLASH PROOF CHEMICAL GOGGLES.

Other Protective Equipment:PROVIDE A LOCAL EYE WASH STATION AND SAFETY

SHOWER,RUBBER BOOTS,ACID RESISTANT RUBBER SUIT.

Work Hygienic Practices:WASH HANDS.SEPARATE WORK CLOTHES FROM STREET
CLOTHES.LAUNDRY WORK CLOTHES BEFORE REUSE.KEEP FOOD OUT OF THE WORK
AREA.

Supplemental Safety and Health
NONE

===== Physical/Chemical Properties =====

HCC:C1

Boiling Pt:B.P. Text:275F,135C

Vapor Pressure:4

Vapor Density:3.4

Spec Gravity:1.361

Evaporation Rate & Reference:>1

Solubility in Water:COMPLETE

Appearance and Odor:LIQ

UID;VIOLET;MILD CHARACTERISTIC ODOR

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:NO

ALKALIS,SULFIDES,SULFITES.

Stability Condition to Avoid:TEMPERATURES ABOVE 275F.

Hazardous Decomposition Products:CARBON DIOXIDE,CARBON MONOXIDE,OXIDES
OF PHOSPHOROUS.

===== Disposal Considerations =====

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH FEDERAL,STATE AND
LOCAL REGULATIONS.IT HAS BEEN RECOM
MENDED THAT EACH USER DEVELOP A
SPILL PREVENTION PLAN(SPCC).

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