

ASTRO DEVELOPMENT LABORATORIES,INC -- MIL-M-23573,MONOETHANOLAMINE,CHELATING AGNT -- 6810-00-958-9970

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

Product ID:MIL-M-23573,MONOETHANOLAMINE,CHELATING AGNT

MSDS Date:01/01/1985

FSC:6810

NIIN:00-958-9970

MSDS Number: BFZFS

=== Responsible Party ===

Company Name:ASTRO DEVELOPMENT LABORATORIES,INC

Address:236 CALIFORNIA ST

City:EL SEGUNDO

State:CA

ZIP:90245-4309

Coun

try:US

Emergency Phone Num:NONE

CAGE:MO370

=== Contractor Identification ===

Company Name:ASTRO DEVELOPMENT LABORATORY INC

Address:236 CALIFORNIA ST

Box:City:EL SEGUNDO

State:CA

ZIP:90245-4309

Country:US

CAGE:7K997

Company Name:ASTRO DEVELOPMENT LABORATORIES,INC

Address:236 CALIFORNIA ST

Box:City:EL SEGUNDO

State:CA

ZIP:90245-4309

Country:US

CAGE:MO370

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

Ingred Name:ETHANOLAMINE

CAS:141-43-5

RTECS #:KJ5775000

Fraction by Wt: 90.

0%  
OSHA PEL:3 PPM/6 STEL  
ACGIH TLV:3 PPM/6 STEL; 9192

Ingred Name:SODIUM DIHYDROXETHYLGLYCINE OR VERSENE F-3 SPECIFIC  
CAS:64-02-8  
RTECS #:AH5075000  
Fraction by Wt: 10.0%

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Hazards Identification  
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Effects of Overexposure:MARKED IRRITATION OF NOSE,THROAT &  
LUNGS.DISAGREEABLE ODOR

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First Aid Measures  
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First Aid:EYES & SKIN:IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR  
ATLEAST 15 MINUTES;FOR EYES,IM  
MEDIATELY GET MEDICAL  
ATTENTION.REMOVE CONTAMINATED CLOTHING & WASH BEFORE  
REUSE.INHALATION:REMOVE TO FRESH AIR,KE EP WARM & QUIET.GIVE  
ARTIFICIAL RESPIRATION.

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Fire Fighting Measures  
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Flash Point:195F COC  
Extinguishing Media:WATER FOG,ALCOHOL FOAM,CARBON DIOXIDE OR DRY  
CHEMICAL  
Fire Fighting Procedures:WATER & REGULAR FOAM MAY CAUSE EXCESSIVE  
FROTHING  
Unusual Fire/Explosion Hazard:NONE;EXCEPT REACTION MAY OCCUR WITH  
STRONG OX  
IDANTS

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Accidental Release Measures  
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Spill Release Procedures:APPLY ABSORBANT MATERIALS OR SAND.SHOVEL INTO  
CONTAINER.FLUSH AREA WITH PLENTY OF WATER

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Handling and Storage  
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Handling and Storage Precautions:PREVENT EYE & SKIN CONTACT.AVOID  
BREATHING VAPORS.PROTECT CONTAINERS AGAINST PHYSICAL DAMAGE.STORE  
IN WELL VENTILATED AREAS,SEPARATED FRON FLAMMABLES.  
Other Precautions:WEAR BUTYL RUBBER GLOVES,C

OVERALLS,FACE SHIELD &

MULTIPURPOSE GAS MASK OR SELF CONTAINED BREATHING APPARATUS. BEFORE  
OPENING DRUM,LOOSEN BUNG SLOWLY TO RELIEVE ANY PRESSURE BUILDUP.

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

Respiratory Protection:SELF CONAINED BREATHING APPARATUS;FULL MASK WITH  
AMMONIA CANISTER

Ventilation:ADEQUATE TO CONTROL LEVEL TO 3 PPM

Protective Gloves:BUTYL RUBBER CH

Eye Protection:CHEMICAL WORKERS GOGGLES

Other Protective Equipment:FACE SHIELD,COVERALLS,APR  
ON,BOOTS,PROTECTIVE  
CLOTHING

Supplemental Safety and Health

MONOETHANOLAMINE - CHELATING SOLUTION WHICH IS MONOETHANOLAMINE AND  
SODIUM DIHYDROXYETHYL GLYCINE(NA DHEG),C<sub>6</sub>H<sub>12</sub>OR N NA.INGESTION:GIVE  
FLUIDS & INDUCE VOMITING WITHIN 15MINS.CALL DOCTOR.

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

HCC:B2

Boiling Pt:B.P. Text:342F

Vapor Pres:0

Vapor Density:2.1

Spec Gravity:1.0

Evaporation Rate & Reference:N.A

Solubility in Water:COMPLETE

Appearance and Odor:WAT

ER WHITE TO LIGHT BROWN LIQUID W/AMMONIA ODOR

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

FLAMMABLE MATERIALS,STRONG OXIDANTS,ACIDIC MATERIALS

Stability Condition to Avoid:NONE,EXCEPT DIRECT SUNLIGHT,HEAT,SPARKS &  
OPEN FLAMES

Hazardous Decomposition Products:N.A,EXCEPT FUMES OF OXIDES OF  
NITROGEN,POSSIBLE CO.

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

Waste Disp

osal Methods:BURN IN APPROVED INCINERATOR UNDER CONTROLLED  
PROCEDURES,OR BURY AWAY FROM WATER SUPPLY IN AN APPROVED AREA

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