

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

Cou

ntry: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,I
MMEDIATELY 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
=====

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 O
XIDANTS

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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,

COVERALLS,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,AP
RON,BOOTS,PROTECTIVE
CLOTHING

Supplemental Safety and Health

MONOETHANOLAMINE - CHELATING SOLUTION WHICH IS MONOETHANOLAMINE AND
SODIUM DIHYDROXYETHYL GLYCINE(NA DHEG),C6H12OR 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:WA

TER 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 Dis

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

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