

HI-PORT SERVICES; DIVISION OF HI-PORT INDUSTRIES -- ANTIFREEZE, ETHYLENE GLYCOL, INHIBITED, HD -- 6850-00-181-7933

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

Product ID:ANTIFREEZE, ETHYLENE GLYCOL, INHIBITED, HD

MSDS Date:07/01/1991

FSC:6850

NIIN:00-181-7933

MSDS Number: BRTDW

=== Responsible Party ===

Company Name:HI-PORT SERVICES; DIVISION OF HI-PORT INDUSTRIES

Address:409 E. WALLISVILLE ROAD

City:HIGHL

ANDS

State:TX

ZIP:77562

Info Phone Num:713-426-3541

Emergency Phone Num:713-426-3541(CHEMTREC 800-424-9300)

Preparer's Name:MICHAEL T. BUSCHEK

CAGE:JO790

=== Contractor Identification ===

Company Name:HI-PORT INDUSTRIES INC

Address:409 E. WALLISVILLE ROAD

Box:755

City:HIGHLANDS

State:TX

ZIP:77562-3827

Country:US

Phone:713-426-3541(CHEMTREC 800-424-9300)

CAGE:9N129

Company Name:HI-PORT SERVICES, DIVISION OF HI-PORT INDUSTRIES

Address:409 E WALLISVILLE ROAD

City:HIGHLANDS

State:TX

ZIP:77562

Phone:7

13-426-3541

CAGE:JO790

Company Name:OLD WORLD AUTOMOTIVE PRODUCTS INC

Address:4065 COMMERCIAL AVE

Box:City:NORTHBROOK

State:IL

ZIP:60062

Country:US

Phone:708-559-2000

CAGE:0FGA3

Company Name:VALDES G ENTERPRISES INC

Address:627 S VERMONT

Box:City:PALATINE

State:IL

ZIP:60067-6949

Country:US

CAGE:3J032

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

Ingred Name:ETHYLENE GLYCOL (SARA III)

OSHA PEL:C 50 PPM
ACGIH TLV:C 50 PPM,VAPOR; 9293
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:DIETHYLENE GLYCOL
CAS:111-46-6
RTECS #:ID5950000
Fraction by Wt: 0-5%
Other REC Limits:25 PPM TLV

===== Hazards Identification =====

LD50 LC50 Mixture:NOT SPECIFIED BY MANUFACTURER.
Routes of Entry: Inhalation:NO Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:PRIMARY IRRITATION TO SKIN, PRIMARY
IRRITATION TO EYES, CAN BE ABSORBED THROUGH THE SKIN, MAY CAUSE
ABDOMINAL IRRITATION.
Explanation of Carcinogenicity:PRODUCT CONTAINS NO INGREDIENTS
CURRENTLY CLASSIFIED AS CARCINOGENIC BY NTP, IARC OR OSHA.
Effects of Overexposure:SKIN IRRITATION, DEFATTING, DERMATITIS, EYE
IRRITATION, REDNESS, TEARING, BLURRED VISION, HARMFUL OR FATAL IF
SWALLOWED, NAUSEA, VOMITING, DIARRHEA.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:SKIN: FLUSH WITH PLENTY OF WATER. EYES: FLUSH WITH PLENTY OF
WATER FOR 15 MINUTES AND GET MEDICAL ATTENTION. INHALATION: REMOVE
TO FRESH AIR. IF BREATHING DIFFICULT, GIVE OXYGEN. IF BREATHING
STOPPED, GIVE ARTIFICIAL RESPIRATION. INGESTION: CALL PHYSICIAN
IMMEDIATELY! INDUCE VOMITING PROMPTLY FOLLOWING PHYSICIANS
INSTRUCTIONS OR BY STICKING FINGER DOWN THROAT.

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

FI

ash Point Method:TCC

Flash Point:244F,118C

Lower Limits:1.5%

Upper Limits:NOT GIVEN

Extinguishing Media:NFPA CLASS B EXTINGUISHERS, DRY CHEMICAL, FOAM,
CARBON DIOXIDE

Fire Fighting Procedures:WATER SPRAY MAY BE INEFFECTIVE ON FIRE BUT CAN
PROTECT FIRE FIGHTERS AND COOL CLOSED CONTAINERS. USE FOG NOZZLES
IF WATER IS USED. USE PROPER PROTECTIVE EQUIPMENT

Unusual Fire/Explosion Hazard:CLOSED CONTAINERS MAY EXPLODE IF EXPOSED
TO EXTREME HEAT. APPLYING TO HOT SURFACES REQUIRES SPECIAL

PRECAUTIONS. EMPTY CONTAINER VERY HAZARDOUS.

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

Spill Release Procedures:MOP UP WITH ABSORBENT MATERIAL AND TRANSFER TO
HOOD. ISOLATE FROM OXIDIZERS AND OPEN FLAME. PROPER PERSONAL
PROTECTION SHOULD BE USED IN SPILL AREA.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:AVOID FREE FALL OF LIQUID. GROUND
CONTAINER

S WHEN TRANSFERRING.

Other Precautions:DO NOT CUT, BRAZE OR WELD. EMPTY CONTAINER VERY
HAZARDOUS.

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

Respiratory Protection:USE A NIOSH APPROVED POSITIVE-PRESSURE
SELF-CONTAINED BREATHING APPARATUS IF CONCENTRATIONS ABOVE TLV.

Ventilation:LOCAL EXHAUST NECESSARY. VENTILATE TO KEEP AIR
CONCENTRATIONS BELOW 45 PPM.

Protective Gloves:IMPERVIOUS

Eye Protection:GOGGLES OR FACE SHIELD

Other Protective Equipment:IMPERVIOUS A

PRON AND FOOTWEAR

Work Hygienic Practices:WASH WITH SOAP AND WATER AFTER HANDLING PRODUCT
AND BEFORE EATING DRINKING OR SMOKING.

Supplemental Safety and Health

WASH CLOTHING BEFORE REUSE.

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

HCC:V5

Boiling Pt:B.P. Text:340F,171C

Melt/Freeze Pt:M.P/F.P Text:NOT GIVEN

Vapor Pres:0.4

Vapor Density:2.1

Spec Gravity:1.12

pH:9-11.5

Evaporation Rate & Reference:NOT GIVEN

Solubility in Water:NOT GIVEN

Appearance and Odor:GREEN L

IQUID, MILD ODOR

Percent Volatiles by Volume:97%

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

Stability Indicator/Materials to Avoid:YES

ISOLATE FROM STRONG OXIDIZING AGENTS SUCH AS PERMANGANATES, CHROMATES AND PEROXIDES.

Stability Condition to Avoid:ISOLATE FROM HEAT AND OPEN FLAME

Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE FROM BURNING

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

Waste Disposal Methods:PREVENT WASTE FROM CONTAMINATING SURROUNDING

ENVIRONMENT. DISCARD ANY PRODUCT, RESIDUE, DISPOSAL CONTAINER OR LINER IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

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