

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:HIGH

LANDS

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:

713-426-3541

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)

D
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
IR
RITATION 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 =====

F

Flash 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
CONTAINERS 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
APRON 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

LIQUID, 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.

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person

utilizing this

document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.