

INDUSTRIAL TERMINAL SYSTEMS -- ANTIFREEZE, ETHYLENE GLYCOL, INHIBITED --
6850-00-181-7933

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

Product ID:ANTIFREEZE, ETHYLENE GLYCOL, INHIBITED

MSDS Date:07/01/1991

FSC:6850

NIIN:00-181-7933

MSDS Number: BRGRW

=== Responsible Party ===

Company Name:INDUSTRIAL TERMINAL SYSTEMS

Address:LOGAN FERRY RD

City:NEW KENSINGTON

State:PA

ZIP:15068-9318

Country:US

Info Phone Num

:708-559-2000

Emergency Phone Num:708-559-2000 800-424-9300(CHEMTREC)

Preparer's Name:MICHAEL T. BUSCHEK

CAGE:8H406

=== 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:INDUSTRIAL TERMINAL SYSTEMS

Address:LOGAN FERRY RD

Box:City:NEW KENSINGTON

State:PA

ZIP:15068-9318

Country:US

CAGE:8H406

Company Name:OLD WORLD INDUSTRIES,INC

(708-559-2000)

CAGE:0V3B1

Company Name:VALDES G ENTERPRISES INC

Address:627 S VERMONT

Box:City:PALATINE

State:IL

ZIP:60067-6949

Country:US

CAGE:3J032

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

Ingred Name:ETHYLENE GLYCOL (SARA III)

CAS:107-21-1

RTECS #:KW2975000

Fraction by Wt: 90-95%

OSHA PEL:C 50 PPM

ACGIH TLV:C 50 PPM,VAPOR; 9192

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%

ACGIH TLV:25 PPM

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

LD50 LC50 Mixture:ACUTE ORAL LD50 (RAT) IS 5840 MG/KG

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:EYES:MAY CAUSE IRRITATION.SKIN:THIS

ITEM MAY BE DERMALLY ABSORBED.MAY CAUSE IRRITATION AND

DEFATTING.INGEST:MAY CAUSE GI TRACT IRRITATION.INHAL:MAY CAUSE

RESPIRATORY IRRITATION.

Explanation of Carcinogenicity:THERE ARE NO

INGREDIENTS ABOVE 0.1%

WHICH ARE IDENTIFIED AS CARCINOGENS BY NTP,IARC OR OSHA.

Effects of Overexposure:SKIN:DERMATITIS.EYES:REDNESS,TEARING,BLURRED

VISION.INGEST:NAUSEA,VOMITING,DIARRHEA.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:INHALATION: REMOVE TO FRESH AIR. CALL A PHYSICIAN IF

DISCOMFORT PERSISTS. EYE: IMMEDIATELY FLUSH EYES WITH PLENTY OF

WATER FOR 15 MINUTES. CALL A

PHYSICIAN. SKIN: WASH WITH PLENTY OF SOAP & WATER. REMOVE CONTAMINATED CLOTHING/SHOES. INGESTION: IF CONSCIOUS, GIVE 2 GLASSES OF WATER TO DRINK AND INDUCE VOMITING. GIVE NOTHING BY MOUTH IF UNCONSCIOUS. CALL A PHYSICIAN IMMEDIATELY.

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

Flash Point Method:TOC
Flash Point:245F,118C
Autoignition Temp:Autoignition Temp Text:750F
Lower Limits:1.5
Extinguishing Media:NFPA CLASS B EXTINGUISHERS FOR CLASS 111 B LIQUID

FIRES (DRY CHEMICAL, FOAM, OR 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.
Unusual Fire/Explosion Hazard:CLOSED CONTAINERS MAY EXPLODE IF EXPOSED TO EXTREME HEAT. APPLYING TO HOT SURFACE REQUIRES SPECIAL PRECAUTIONS. EMPTY CONTAINER VERY HAZARDOUS.

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

Spill Release Procedures:SOAK UP WITH NON-COMBUSTIBLE INERT ADSORBANT(EG.CLAY);PLACE COLLECTED MATERIEL IN AN APPROPRIATE CONTAINER FOR DISPOSAL;CLEAN SPILL AREA TO REMOVE SLIPPERINESS.
Neutralizing Agent:NONE

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

Handling and Storage Precautions:EMPTY CONTAINERS MAY CONTAIN HAZARDOUS RESIDUE;DISPOSE OF PROPERLY.FOLLOW LABEL INSTRUCTIONS.
Other Precautions:DO NOT TAKE INTERNALLY. DO NOT BREATHE MIST. AVOID PROLONGED OR REPEATED BREATHING OF VAPOR. AVOID CONTACT WITH EYES.
USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING.

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

Respiratory Protection:USE A NIOSH APPROVED POSITIVE-PRESSURE SELF-CONTAINED BREATHING APPARATUS.
Ventilation:USE LOCAL EXHAUST.
Protective Gloves:IMPERVIOUS
Eye Protection:SAFETY GOGGLES WITH OPTIONAL FACE SHIELD
Other Protective Equipment:APRON AND FOOTWEAR IMPERVIOUS TO THIS MATERIAL.PROVIDE EYE WASH STATION.
Work Hygienic Practi

ces:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR FOOTWEAR.

Supplemental Safety and Health
NONE

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

HCC:V5
Boiling Pt:B.P. Text:339F,171C
Vapor Pres:0.4
Vapor Density:2.1
Spec Gravity:1.12
pH:9-11.5
Solubility in Water:APPRECIABLE
Appearance and Odor:GREEN LIQUID WITH MILD ODOR
Percent Volatiles by Volume:97

===== Stability and Reactivity Data =====
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Stability Indicator/Materials to Avoid:YES
STRONG OXIDIZING AGENTS
Stability Condition to Avoid:HIGH TEMPERATURES, SPARKS, OXIDIZERS AND OPEN FLAMES
Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH FEDERAL,STATE AND LOCAL REGULATIONS.

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