

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 Nu

m: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,IN

C (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

=====
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

=====
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.

=====
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 Pract

ices: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 =====

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.

Disclaimer (provided with this information by the compiling agencies):
This information is formulate
d 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.