

An ISO 9001:2000
Certified Company



THE POWER OF THREE³

PHARMCO-AAPER

AND COMMERCIAL ALCOHOLS

Product Information (203) 740-3471 / Emergency Assistance CHEMTREC 1-800-424-9300 or 202-483-7616

MATERIAL SAFETY DATA SHEETS

Part Number/Trade Name: ETHYLENE DICHLORIDE
This MSDS is valid for all grades and catalog #'s

General Information

Company's Name: PHARMCO PRODUCTS,
INC.
Company's Street: 58 VALE RD.
Company's City: BROOKFIELD
Company's State: CT
Company's Zip Code: 06804
Company's Emerg Ph #: (203) 740-3471
Company's Info Ph #: (203) 740-3471

Date MSDS Revised: Nishant-8/23/99
Safety Data Review Date: 8/23/99
Preparer's Company: PHARMCO PRODUCTS,
INC.
Preparer's St Or P. O. Box: 58 VALE RD.
Preparer's City: BROOKFIELD
Preparer's State: CT
Preparer's Zip Code: 06804

1101 Isaac Shelby Drive
Shelbyville, KY 40065
Phone (502) 633-0650
Fax (502) 633-0685

Ingredients/Identity Information

Ingredient: ETHYLENE DICHLORIDE
Ingredient Sequence Number: 01
Percent: 100

NIOSH (RTECS) Number: K10525000
ACGIH TLV: 10 PPM

Physical/Chemical Characteristics

Appearance And Odor: COLORLESS CLEAR
LIQUID; MILDLY SWEET ODOR.
Boiling Point: 182F/83C
Vapor Pressure (MM Hg/70 F): 62
Vapor Density (Air=1): 3.4

Specific Gravity: 1.25
Evaporation Rate And Ref: 0.27(ETHER)
Solubility In Water: NEGLIGIBLE
Percent Volatiles By Volume: 100

Fire and Explosion Hazard Data

Flash Point: 55F/12C (TCC)
Lower Explosive Limit: 6.2
Upper Explosive Limit: 15.9
Extinguishing Media: FOAM,CO*2,CARGON DIOXIDE
Special Fire Fighting Proc: SELF-CONTAINED BREATHING APPARATUS
Unusual Fire And Expl Hazrds: CONCENTRATED VAPORS CAN BE IGNITED BY HIGH
INTENSITY HEAT SOURCE. DECOMPOSITION PROD HYD CHLORIDE

Reactivity Data

Stability: YES	Hazardous Decomp Products: HYDROGEN
Materials To Avoid: STRONG	CHLORIDE, PHOSGENE
ALKALIES,OXIDIZING MATERIALS.	Hazardous Poly Occur: NO

Health Hazard Data

VOMIT, DIZZY, COMA. INGESTION:BURN OF THROAT,MOUTH.
Emergency/First Aid Proc: EYE:FLUSH WITHWATER 15 MIN, CONSULT PHYSICIAN.
SKIN:WASH WITH SOAP & WATER,REMOVE CONTAMINATED CLOTHING.
INHALATION:REMOVE
FROM EXPOSURE,GIVE ARTIF RESP,CALL PHYSICIAN. INGESTION: DO NOT INDUCE
VOMITING,CALL A PHYSICIAN.

Precautions for Safe Handling and Use

Steps If Matl Released/Spill: EVACUATE THE AREA,VENTILATE,AVOID BREATHING
VAPORS,CONTAIN SPILL. CLEAN UP AREA (WEAR PROTECTIVE CLOTHING) BY MOPPING
WITH ABSORBENT MATERIAL,TRANSFER TO CLOSED CONTAINER.
Waste Disposal Method: RECOVERED LIQUIDS MAY BE SENT TO A LICENSED
RECLAIMER OR INCINERATED CONTAMINATED ABSORBENT MATERIAL MUST BE
DISPOSED
OF IN A PERMITTED WASTE MANAGEMENT FACILITY. CONSULT LOCAL,STATE & FEDERAL
DISPOSAL AUTHORITIES FOR APPROVED PROCEDURES.
Precautions-Handling/Storing: STORE IN COOL,DRY VENTILATED AREA. PREVENT
MOIST AIR FROM ENTERING STORAGE. PIPE VENTS OUTDOORS
Other Precautions: AVOID CONTACT WITH SKIN & BREATHING VAPORS. VAPORS ARE
HEAVIER THAN AIR & WILL COLLECT IN LOW AREAS.

Control Measures

Ventilation: MECHANICAL	Suppl. Safety & Health Data: CONTAINER
Protective Gloves: NIOPRENE/VITON	SIZE: 32 FL OZ.
Eye Protection: CHEM SAFETY GOGGLES	

Transportation Data

Trans Data Review Date: 87222	IATA PSN Code: LIA
DOT PSN Code: GAP	IATA UN ID Number: 1184
DOT Proper Shipping Name: ETHYLENE DICHLORIDE	IATA Proper Shipping Name: ETHYLENE DICHLORIDE
DOT Class: 3	IATA UN Class: 3
DOT ID Number: UN1184	IATA Subsidiary Risk Class: 6.1
DOT Pack Group: II	IATA Label: FLAMMABLE LIQUID & TOXIC *
DOT Label: FLAMMABLE LIQUID, POISON	
IMO PSN Code: GVF	AFI PSN Code: LIA
IMO Proper Shipping Name: ETHYLENE DICHLORIDE	AFI Symbols: T
IMO Regulations Page Number: 3224	AFI Prop. Shipping Name: ETHYLENE DICHLORIDE
IMO UN Number: 1184	AFI Class: 3
IMO UN Class: 3.2	AFI ID Number: UN1184
IMO Subsidiary Risk Label: TOXIC *	AFI Pack Group: II
AFI Label: FLAMMABLE LIQUID & POISON	
AFI Basic Pac Ref: 7-7	

Disposal Data

Landfill Ban Item: YES

Disposal Supplemental Data: CONTAINER SIZE: 32 FL OZ. IN CASE OF ACCIDENTAL EXPOSURE OR DISCHARGE, CONSULT HEALTH AND SAFETY FILE FOR PRECAUTIONS.

1st EPA Haz Wst Code New: U077

1st EPA Haz Wst Name New: 1,2-DICHLOROETHANE; ETHYLENE DICHLORIDE

1st EPA Haz Wst Char New: TOXIC (T)

1st EPA Acute Hazard New: NO

Label Data

Special Hazard Precautions: MAY BE POISONOUS IF INHALED OR ABSORBED THROUGH SKIN. VAPORS MAY CAUSE DIZZINESS OR SUFFOCATION. CONTACT MAY IRRITATE OR BURN SKIN AND EYES. FIRE MAY PRODUCE IRRITATING OR POISONOUS GASES. RUNOFF FROM FIRE CONTROL OR DILUTION WATER MAY CAUSE POLLUTION.

Label Data

Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) requires notification of the National Response Center of release of quantities of Hazardous Substances equal or greater than the reportable quantities (RQs) in 40 CFR 302.4. Components present in this product at a level which could require reporting under the statute are:

Chemical Name	CAS Number	RQ
Ethylene dichloride	107-06-2	100lb

California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: Ethylene Dichloride

The information contained herein is based on data considered to be accurate. However, no warranty is expressed regarding the accuracy of these data or the results to be obtained from the use thereof. It is the user's obligation to determine the conditions of safe use of the product.