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THE POWER OF THREE<sup>3</sup>

**PHARMCO-AAPER**

AND COMMERCIAL ALCOHOLS

**Product Information (203) 740-3471 / Emergency Assistance CHEMTREC 1-800-424-9300**

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## **MATERIAL SAFETY DATA SHEETS**

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Manufacturer: PHARMCO-AAPER  
58 Vale Road  
Brookfield, Connecticut 06804, USA  
Phone (203) 740-3471  
Fax (203) 740-3481

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

Emergency Contact:  
CHEMTREC 1-800-424-9300

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### **GLYCOL ETHER DE ACETATE PRODUCT INFORMATION**

Synonyms Diethylene Glycol MonoEthyl Ether Acetate; Ethanol, 2-(2-ethoxyethoxy), acetate; 2-(2-Ethoxyethoxy) ethyl acetate; Ethyl diglycol acetate; 3,6-Dioxaoctyl acetate;

Formula C<sub>8</sub>H<sub>16</sub>O<sub>4</sub>

CAS Number 112-15-2

Mol. Wgt. 176.212

### **COMPOSITION OF INGREDIENTS**

CAS#	Chemical Name	%	NIOSH Hazardous
112-15-2	DiEthylene Glycol MonoEthyl Ether Acetate	90 - 100%	KK8295000 Yes

### **POTENTIAL HEALTH EFFECTS**

Eyes May cause irritation.

Skin May cause irritation. Over exposure causes redness.

Ingestion May cause GI Tract irritation. Over exposure causes nausea.

**Inhalation** May cause respiratory irritation. Persons with pre-existing respiratory ailments may be at increased risk from exposure.

## **FIRST AID MEASURES**

**Eyes** Flush with water for 15 minutes.

**Skin** Remove contaminated clothing; wash with water.

**Ingestion** Get prompt qualified medical attention. If conscious, give 2 glasses of water, and induce vomiting.

**Inhalation** Remove to fresh air. Give oxygen or artificial respiration in needed.

## **ACCIDENTAL RELEASE MEASURES**

**Spills/Leaks** Eliminate sources of ignition. Use proper respiratory and protective equipment. Shut off leak if safe. Dike. Soak up with a noncombustible inert absorbent (clay, sand); place in proper container for disposal. Do not discharge to sewer.

**Neutralizing Agent** None

## **FIRE FIGHTING MEASURES**

**Special Information** Use a self-contained breathing apparatus and full protective equipment. Cool fire exposed containers with water fog.

**Fire Extinguishing**

**Media**

Dry chemical, foam

**Unusual Fire and explosion hazards**

Fire conditions may evolve toxic fumes

**Explosion** Sealed containers may rupture when heated. Above the flash point, explosion vapor-air mixtures may be formed.

**Flash Point** 37.2 °C / 99 °F

## **HANDLING AND STORAGE**

Store in a cool, dry, well-ventilated place. Keep container closed when not in use.

## **ECOLOGICAL INFO**

**Waste Disposal Method** Dispose of in accordance with federal, state and local regulations.

## **PERSONAL PROTECTIVE EQUIPMENT**

**Eyes** Where protective chemical goggles.

Skin Wear protective nitrile or butyl rubber gloves.

### **Respirators**

(NIOSH Approved)

Where environmental controls are lacking or in enclosed spaces use a self-contained breathing apparatus.

**Ventilation** Local ventilation at the worksite; mechanical (general) ventilation to maintain TLV/PEL.

### **Other Protective**

#### **Equipment**

Provide a local eye wash station and safety shower.

#### **Work hygienic**

#### **Practices**

Use reasonable care in handling this product. Wash hands after use and before eating.

## **PHYSICAL & CHEMICAL PROPERTIES**

**Appearance** Liquid, water white

**Odor** Mild Odor

**Vapor Pressure, MM Hg/70 °F** 0.2

**Vapor Density** 6.1

**Evaporation Rate and Ref < 0.01 NBUAC = 1**

**Percentage of Volatiles by Volume** 100

**Solubility in water** Complete

## **STABILITY & REACTIVITY**

**Stability** Yes

**Conditions To Avoid** None specified by manufacturer.

**Incompatibilities** Strong Oxidizing agents

**Hazardous Decomposition Products** Carbon dioxide and carbon monoxide

**Hazardous Polymerization** This substance does not polymerize.

## **TOXICOLOGY INFORMATION**

**LD50/LC50 Oral, rat:** LD50 = 11 g/kg

**Routes of Entry** Inhalation: Yes;

Skin: Yes;

Ingestion: No; May cause

**Carcinogenicity** NTP: No, IARC: No, OSHA: No

There are no ingredients above 0.1% which are identified as

carcinogens by NTP, IARC, or OSHA.

## **TRANSPORTATION INFO**

DOT PSN Code GJL

Proper shipping Name Flammable Liquids, N.O.S.

Hazard Class 3

UN Number UN1993

Packing Group III

DOT Label Flammable Liquid

IMO PSN Code HIA

Proper Shipping Name Flammable Liquids, N.O.S.

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UN Number UN1993

Hazard Class 3

Subsidiary Risk Label -

IATA PSN Code MCA

Proper shipping Name Flammable Liquids, N.O.S.

Hazard Class 3

UN Number UN1993

Label Flammable Liquid

AFI PSN Code MCA

Proper Shipping Name Flammable Liquids, N.O.S.

UN Number UN1993

Hazard Class 3

Basic Pac Ref 7-7

MMAC Code NR

N.O.S. Shipping Name Diethylene Glycol MonoEthyl Ether Acetate

**DISCLAIMER:** The information contained herein is based on data considered to be accurate based on the material as packaged. However, no warranty is expressed regarding the accuracy of these data or the results to be obtained from the use thereof. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this MSDS. It is the user's obligation to determine the conditions of safe use of the product. While this MSDS is based on technical data judged to be reliable, PHARMCO-AAPER assumes not responsibility for the completeness or accuracy of the information contained herein.