

An ISO 9001:2000  
Certified Company



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

**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: TRIETHYLAMINE  
This MSDS is valid for all grades and catalog numbers

### General Information

Manufacturer: Pharmco Products Inc.  
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

### Ingredients/Identity Information

Proprietary: NO  
Ingredient: TRIETHYLAMINE (SARA III)  
Ingredient Sequence Number: 01  
Percent: 100

NIOSH (RTECS) Number: YE0175000  
CAS Number: 121-44-8  
OSHA PEL: 25 PPM/15 STEL  
ACGIH TLV: 10 PPM/15 STEL; 9293

### Physical/Chemical Characteristics

Appearance And Odor: WATER-WHITE  
LIQUID,FISH LIKE ODOR  
Boiling Point: 193.1F  
Vapor Pressure (MM Hg/70 F): 54  
Vapor Density (Air=1): 3.48

Specific Gravity: 0.7290  
Evaporation Rate And Ref: 5.6,BUTYL  
ACETATE  
Solubility In Water: 5.5 %  
Percent Volatiles By Volume: 100

### Fire and Explosion Hazard Data

Flash Point: 17F(-8.4C)-CC  
Lower Explosive Limit: 1.2  
Upper Explosive Limit: 8.0  
Extinguishing Media: CO\*2 OR DRY CHEMICAL FOR SMALL FIRES.ALCOHOL FOAM-  
LARGE FIRE  
Special Fire Fighting Proc: WATER SPRAY WILL REDUCE INTENSITY OF FLAMES.  
AIR SUPPLIED RES  
Unusual Fire And Expl Hazrds: GASES & VAPORS ENCOUNTERED IN FIGHTING FIRES  
INVOLVING TRIETHYLAMINE ARE SEVERELY IRRITATING TO SKIN

### Reactivity Data

Stability: YES  
Cond To Avoid (Stability): AVOID FIRES,SPARKS,& HEAT.

Materials To Avoid: STRONG MINERAL ACIDS,STRONG OXIDIZING AGENTS,CHLORINE,  
CHLORS

Hazardous Decomp Products: NITROGEN OXIDES,CARBON MONOXIDE AND/OR CARBON  
DIOXIDE

Hazardous Poly Occur: NO

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Health Hazard Data

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Signs/Symptoms Of Overexp: BREATHING VAPORS CAUSES IRRITATIN OF NOSE,  
THROAT & LUNGS.CONGHING,CHOKING,DIFFICULT BREATHING,BURNS.

Emergency/First Aid Proc: REMOVE TO FRESH AIR.OBTAIN MEDICAL ATTENTION  
IMMEDIATELY.FLUSH EYES WITH WATER & OBTAIN MEDICAL ATTENTION.WASH  
AFFECTED

SKIN AREAS WITH WATER AT LEAST 30 MINUTES.REMOVE CONTAMINATED CLOTHING &  
SHOES AT ONCE.

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Precautions for Safe Handling and Use

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Steps If Matl Released/Spill: ELIMINATE ALL SOURCES OF IGNITION.SMALL  
SPILLS SHOULD BE FLUSHED WITH LARGE QUANTITIES OF WATER.LARGER SPILLS  
SHOULD BE COLLECTED FOR DISPOSAL.TOXIC TO FISH-AVOID DISCHARGE TO NATURAL  
WATERS.

Waste Disposal Method: INCINERATE IN A FURNACE,UNDER APPROVED CONTROLLED  
CONDITIONS,EQUIPPED TO REMOVE OXIDES OF NITROGEN FROM THE OFF-GASES &  
WHERE PERMITTED UNDER APPROPRIATE FEDERAL,STATE & LOCAL REGULATIONS.

Precautions-Handling/Storing: NONE,EXCEPT KEEP CONTAINER CLOSED & STORE IN  
A COOL,DARK PLACE

Other Precautions: AIR-SUPPLIED RESPIRATORS SHOULD BE AVAILABLE TO FIRE  
FIGHTERS.

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Control Measures

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Respiratory Protection: AIR-SUPPLIED MASK AND/OR SELF CONTAINED BREATHING  
APPARATUS

Ventilation: AS REQUIRED TO CONTROL TLV IN AIR

Protective Gloves: RUBBER

Eye Protection: COVER-ALL GOGGLES

Other Protective Equipment: EYE BATH & SAFETY SHOWER

Suppl. Safety & Health Data: FREEZING POINT=-114.7C.GASES & VAPORS IN  
FIGHTING FIRES ARE SEVERELY IRRITATING TO THE SKIN,EYES,NOSE & RESPIRATORY  
SYSTEM. AVOID HYPOCHLORITES,NITRIC ACID,LIQUID OXYGEN & OZONE CONTACT.

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Transportation Data

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DOT PSN Code: ORX

DOT Proper Shipping Name:  
TRIETHYLAMINE

DOT Class: 3

DOT ID Number: UN1296

DOT Pack Group: II

DOT Label: FLAMMABLE LIQUID,  
CORROSIVE \*

IMO PSN Code: OWN

IMO Proper Shipping Name:  
TRIETHYLAMINE

IMO Regulations Page Number: 3285

IMO UN Number: 1296

IMO UN Class: 3.2

IMO Subsidiary Risk Label: CORROSIVE

IATA PSN Code: YNM

IATA UN ID Number: 1296

IATA Proper Shipping Name:

TRIETHYLAMINE

IATA UN Class: 3

IATA Subsidiary Risk Class: 8 \*

IATA Label: FLAMMABLE LIQUID &  
CORROSIVE \*  
AFI PSN Code: YNM  
AFI Prop. Shipping Name: TRIETHYLAMINE  
AFI Class: 3

AFI ID Number: UN1296  
AFI Pack Group: II  
AFI Label: FLAMMABLE LIQUID  
AFI Basic Pac Ref: 7-7

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Disposal Data

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Landfill Ban Item: YES  
Disposal Supplemental Data: FREEZING POINT=-114.7C.GASES & VAPORS IN  
FIGHTING FIRES ARE SEVERELY IRRITATING TO THE SKIN,EYES,NOSE & RESPIRATORY  
SYSTEM. AVOID HYPOCHLORITES,NITRIC ACID,LIQUID OXYGEN & OZONE CONTACT. IN  
CASE OF ACCIDENTAL EXPOSURE OR DISCHARGE, CONSULT HEALTH AND SAFETY FILE  
FOR PRECAUTIONS.  
1st EPA Haz Wst Code New: D001  
1st EPA Haz Wst Name New: IGNITIBLE  
1st EPA Haz Wst Char New: IGNITABILITY  
1st EPA Acute Hazard New: NO

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Label Data

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Label Required: YES  
Special Hazard Precautions: POISONOUS IF SWALLOWED. IF INHALED, MAY BE  
HARMFUL. CONTACT MAY CAUSE BURNS TO SKIN AND EYES. FIRE MAY PRODUCE  
IRRITATING OR POISONOUS GASES. RUNOFF FROM FIRE CONTROL OR DILUTION WATER  
MAY CAUSE POLLUTION.

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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.