



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

Company's Name: PHARMCO PRODUCTS, INC.	Date MSDS Revised: Nishant-8/23/99
Company's Street: 58 VALE RD.	Safety Data Review Date: 8/23/99
Company's City: BROOKFIELD	Preparer's Company: PHARMCO PRODUCTS, INC.
Company's State: CT	Preparer's St Or P. O. Box: 58 VALE RD.
Company's Zip Code: 06804	Preparer's City: BROOKFIELD
Company's Emerg Ph #: (203) 740-3471	Preparer's State: CT
Company's Info Ph #: (203) 740-3471	Preparer's Zip Code: 06804

### Ingredients/Identity Information

Proprietary: NO	NIOSH (RTECS) Number: YE0175000
Ingredient: TRIETHYLAMINE (SARA III)	CAS Number: 121-44-8
Ingredient Sequence Number: 01	OSHA PEL: 25 PPM/15 STEL
Percent: 100	ACGIH TLV: 10 PPM/15 STEL; 9293

### Physical/Chemical Characteristics

Appearance And Odor: WATER-WHITE	Specific Gravity: 0.7290
LIQUID, FISH LIKE ODOR	Evaporation Rate And Ref: 5.6, BUTYL ACETATE
Boiling Point: 193.1F	Solubility In Water: 5.5 %
Vapor Pressure (MM Hg/70 F): 54	Percent Volatiles By Volume: 100
Vapor Density (Air=1): 3.48	

### 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

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#### Reactivity Data

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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 IRRITATION OF NOSE,  
THROAT & LUNGS. CONGHIING, 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.