



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

## MATERIAL SAFETY DATA SHEETS

Part Number/Trade Name: TOLUENE  
This MSDS is valid for all grades and catalog numbers

### General Information

Company's Name: PHARMCO PRODUCTS, INC.	Date MSDS Revised: Nishant-1/21/02
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: XS5250000
Ingredient: TOLUENE (SARA III)	CAS Number: 108-88-3
Ingredient Sequence Number: 01	OSHA PEL: 200 PPM/150 STEL
Percent: >60	ACGIH TLV: 50 PPM; 9293

### Physical/Chemical Characteristics

Appearance And Odor: COLORLESS, BENZENELIKE ODOR	Specific Gravity: 0.871
Boiling Point: 232F	Evaporation Rate And Ref: 4.5, ETHER
Vapor Pressure (MM Hg/70 F): 38	Solubility In Water: NEGLIGIBLE
Vapor Density (Air=1): 4.5	Percent Volatiles By Volume: 100

### Fire and Explosion Hazard Data

Flash Point: 40F TCC.  
Lower Explosive Limit: 1.2  
Upper Explosive Limit: 7.0  
Extinguishing Media: DRY CHEMICAL, REGULAR FOAM, WATER FOG, CARBON DIOXIDE  
Special Fire Fighting Proc: SELF-CONTAINED BREATHING APPARATUS WITH FULL

FACEPIECE

Unusual Fire And Expl Hazrds: VAPORS MAY TRAVEL ALONG THE GROUND & CAUSE FLASH FIRES OR BE IGNITED BY PILOT LIGHTS,FLAMES,SPARKS.

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Reactivity Data

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Stability: YES

Materials To Avoid: AVOID CONTACT WITH STRONG OXIDIZING AGENTS

Hazardous Decomp Products: CO\*2,CO WHEN BURNED

Hazardous Poly Occur: NO

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Health Hazard Data

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Signs/Symptoms Of Overexp: EYES: SEVERE IRRITATION.SKIN:MODERATE IRRITATION, DEFATTING.BREATHING: NASAL& RESPIRATORY IRRITATION  
Emergency/First Aid Proc: SKIN: WASH AREA WITH SOAP & WATER.REMOVE CONTAMINATED CLOTHING-WASH BEFORE RE-USE.EYES: FLUSH WITH LARGE AMTS OF WATER.SWALLOWED: DONOT INDUCE VOMITING, KEEP PERSON WARM,QUIET,GET MEDICAL  
ATTENTION.BREATHED: REMOVE TO FRESH AIR.KEEP PERSON WARM, QUIET

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Precautions for Safe Handling and Use

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Steps If Matl Released/Spill: SMALL SPILL: ABSORB LIQUID ON PAPER, VERMICULITE, FLOOR ABSORBENT & TRANSFER TO HOOD.LARGE SPILL: ELIMINATE ALL IGNITION SOURCES.EXCLUDE PEOPLE FROM AREA NIOT WEARING PROTECTIVE EQUIPMENT.STOP SPILL AT SOURCE.RESIDUAL LIQUID MAY BE TAKEN UPON SAND, CLAY

Waste Disposal Method: SMALL SPILL: ALLOW VOLATILE PORTION TO EVAPORATE IN DESTROY BTY LIQUID INCINERATION UNDER CONTROLLED CONDITIONS.MATERIAL COLLECTED ON ABSORBENT MATERIAL MAY BE DEPOSITED IN LANDFIL

Precautions-Handling/Storing: PROTECT CONTAINERS AGAINST PHYSICAL DAMAGE. OUTDOOR OR DETACHED STORAGE IS PREFERABLE.I

Other Precautions: WEAR CHEMICAL GOGGLES, CHEMICAL CARTRIDGE RESPIRATOR OR SELF-CONTAINED BREATHING APPARATUS & RUBBER GLOVES.

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Control Measures

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Respiratory Protection: NIOSH/MESA JOINTLY APPROVED SELF-CONTAINED BREATHING APPARATUS

Ventilation: AS REQUIRED TO CONTROL TLV IN AIR

Protective Gloves: BUNG-N GLOVES

Eye Protection: CHEMICAL SPLASH GOGGLES

Other Protective Equipment: WEAR IMPERVIOUS CLOTHING & BOOTS

Suppl. Safety & Health Data: SWALLOWING: STOMACH IRRITATION, NAUSEA, VOMITING, DIARRHEA, CHEMICAL PNEUMONITIS (FATAL). SELF CONTAINED BREATHING APPARATUS MUST BE OPERATED IN A PRESSURE DEMAND OR OTHER POSITIVE PRESSURE MODE.

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Transportation Data  
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Trans Data Review Date: 83094  
DOT PSN Code: OJY  
DOT Proper Shipping Name: TOLUENE  
DOT Class: 3  
DOT ID Number: UN1294  
DOT Pack Group: II  
DOT Label: FLAMMABLE LIQUID  
IMO PSN Code: OSR  
IMO Proper Shipping Name: TOLUENE  
IMO Regulations Page Number: 3285  
IMO UN Number: 1294  
IMO UN Class: 3.2  
IMO Subsidiary Risk Label: -  
IATA PSN Code: YEL  
IATA UN ID Number: 1294  
IATA Proper Shipping Name: TOLUENE  
IATA UN Class: 3  
IATA Label: FLAMMABLE LIQUID  
AFI PSN Code: YEL  
AFI Prop. Shipping Name: TOLUENE  
AFI Class: 3  
AFI ID Number: UN1294  
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: SWALLOWING: STOMACH IRRITATION, NAUSEA, VOMITING, DIARRHEA, CHEMICAL PNEUMONITIS (FATAL). SELF CONTAINED BREATHING APPARATUS MUST BE OPERATED IN A PRESSURE DEMAND OR OTHER POSITIVE PRESSURE MODE. IN CASE OF ACCIDENTAL EXPOSURE OR DISCHARGE, CONSULT HEALTH AND SAFETY FILE FOR PRECAUTIONS.  
1st EPA Haz Wst Code New: U220  
1st EPA Haz Wst Name New: TOLUENE; METHYLBENZENE  
1st EPA Haz Wst Char New: TOXIC (T)  
1st EPA Acute Hazard New: NO  
2nd EPA Haz Wst Code New: D001  
2nd EPA Haz Wst Name New: IGNITIBLE  
2nd EPA Haz Wst Char New: IGNITABILITY  
2nd EPA Acute Hazard New: NO  
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Label Data  
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Label Required: YES  
Label Status: F  
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.  
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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.