

An ISO 9001:2000  
Certified Company



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

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# MATERIAL SAFETY DATA SHEETS

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Part Number/Trade Name: TOLUENE  
This MSDS is valid for all grades that start with catalog number 347

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## General Information

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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

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## Ingredients/Identity Information

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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

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## Physical/Chemical Characteristics

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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

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## Fire and Explosion Hazard Data

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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

#### Health Hazard Data

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

#### Precautions for Safe Handling and Use

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.

#### Control Measures

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.

#### Transportation Data

Trans Data Review Date: 83094	IMO Regulations Page Number: 3285
DOT PSN Code: OJY	IMO UN Number: 1294
DOT Proper Shipping Name: TOLUENE	IMO UN Class: 3.2
DOT Class: 3	IMO Subsidiary Risk Label: -
DOT ID Number: UN1294	IATA PSN Code: YEL
DOT Pack Group: II	IATA UN ID Number: 1294
DOT Label: FLAMMABLE LIQUID	IATA Proper Shipping Name: TOLUENE
IMO PSN Code: OSR	IATA UN Class: 3
IMO Proper Shipping Name: TOLUENE	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.