



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

MATERIAL SAFETY DATA SHEETS

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

General Information

Company's Name: PHARMCO PRODUCTS, INC.
Company's Street: 58 VALE RD.
Company's City: BROOKFIELD
Company's State: CT
Company's Zip Code: 06804
Company's Emerg Ph #: (203) 740-3471
Company's Info Ph #: (203) 740-3471

Date MSDS Revised: Nishant-8/23/99
Safety Data Review Date: 8/23/99
Preparer's Company: PHARMCO PRODUCTS, INC.
Preparer's St Or P. O. Box: 58 VALE RD.
Preparer's City: BROOKFIELD
Preparer's State: CT
Preparer's Zip Code: 06804

Ingredients/Identity Information

Proprietary: NO
Ingredient: ACETIC ACID (SARA III)
Ingredient Sequence Number: 01
Percent: 100
192

NIOSH (RTECS) Number: AF1225000
CAS Number: 64-19-7
OSHA PEL: 10 PPM
ACGIH TLV: 10 PPM/15 STEL; 9

Physical/Chemical Characteristics

Appearance And Odor: WATER-WHITE LIQUID;SHARP ODOR
Boiling Point: 244.2F
Vapor Pressure (MM Hg/70 F): 11
Vapor Density (Air=1): 2.1
Specific Gravity: 1.0512
Evaporation Rate And Ref: 0.97,BUTYL ACETATE
Solubility In Water: COMPLETE
Percent Volatiles By Volume: 100

Fire and Explosion Hazard Data

Flash Point: 106F
Lower Explosive Limit: 5.4
Upper Explosive Limit: 16.0
Extinguishing Media: CO*2, DRY CHEMICAL FOR SMALL FIRES. USE ALC. FOAM, *20 LG. FIRES
Special Fire Fighting Proc: USE SELF-CONTAINED BREATHING APPARATUS & COMPLETE PROT. CLOTH
Unusual Fire And Expl Hazards: IRRITATING VAPORS EVOLVED FROM FIRE. VAPOR MAY EXPLODE.

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Reactivity Data
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Stability: YES
Cond To Avoid (Stability): NONE
Materials To Avoid: ALKALIES, AMINES, AND NITRIC ACID
Hazardous Decomp Products: CO &/OR CO*2
Hazardous Poly Occur: NO
Conditions To Avoid (Poly): NONE
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Health Hazard Data
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Signs/Symptoms Of Overexp: CONTACT WITH SKIN & EYES CAUSES BURNS.
BREATHING OF VAPORS CAUSES COUGHING, CHEST PAIN, IRR. NOSE & THRT
Emergency/First Aid Proc: IMMEDIATELY FLUSH SKIN & EYE CONTACT WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. GET MEDICAL CARE FOR EYES. IF INHALED, REMOVE TO FRESH AIR. GIVE OXYGEN IF BREATHING IS DIFFICULT. CALL A DOCTOR. REMOVE CONTAMINATED CLOTHING & SHOES. WASH CLOTHING
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Precautions for Safe Handling and Use
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Steps If Matl Released/Spill: STOP LEAK IF POSSIBLE. DIKE AND DILUTE WITH LARGE AMOUNTS WATER. DO NOT TOUCH SPILLED MATERIAL.
Waste Disposal Method: INCINERATE IN A FURNACE UNDER APPROVED CONTROLLED PROCEDURES. SOME SUPPLEMENTARY FUEL MAY BE REQUIRED FOR BURNING
Precautions-Handling/Storing: GLACIAL ACETIC ACID FREEZES AT 62F, FORMING HARD FUMES. STORE IN AREA ABOVE 62F. IF FROZEN, THAW BY MOVING TO WARM AREA
Other Precautions: DANGER! CAUSES BURNS. HARMFUL IF INHALED. COMBUSTIBLE. DO NOT GET IN EYES, ON SKIN, ON CLOTHING. AVOID BREATHING VAPOR. KEEP AWAY FROM HEAT & OPEN FLAME. KEEP CONTAINER CLOSED. USE W/ ADEQUATE VENTIL.
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Control Measures
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Respiratory Protection: FRESH-AIR MASK IN CONFINED AREAS
Ventilation: LOCAL EXHAUST & MECHANICAL
Protective Gloves: RUBBER
Eye Protection: VAPOR PROOF GOGGLES
Other Protective Equipment: FULL FACE MASK, IMPERVIOUS APRON, EYE BATH & SAFETY SHOWER
Suppl. Safety & Health Data: ACETIC ACID WILL FREEZE AT A TEMPERATURE BELOW 60F AND WILL RETURN TO LIQUID ABOVE 62F

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Transportation Data
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DOT PSN Code: AAT
DOT Proper Shipping Name: ACETIC ACID,
GLACIAL OR ACETIC ACID SOLUTION,
DOT Class: 8
DOT ID Number: UN2789
DOT Pack Group: II
DOT Label: CORROSIVE, FLAMMABLE
LIQUID *
IMO PSN Code: ACF
IMO Proper Shipping Name: ACETIC ACID,
GLACIAL
IMO Regulations Page Number: 8100
IMO UN Number: 2789
IMO UN Class: 8
IMO Subsidiary Risk Label: FLAMMABLE
LIQUID
IATA PSN Code: ABN
IATA UN ID Number: 2789
IATA Proper Shipping Name: ACETIC ACID
SOLUTION
IATA UN Class: 8
IATA Subsidiary Risk Class: 3 *
IATA Label: CORROSIVE & FLAMMABLE
LIQUID *
AFI PSN Code: ABL
AFI Prop. Shipping Name: ACETIC ACID
GLACIAL, OR ACETIC ACID SOLUTION
AFI Class: 8
AFI ID Number: UN2789
AFI Pack Group: II
AFI Label: CORROSIVE
AFI Special Prov: A3,A6,A7,A10
AFI Basic Pac Ref: 12-5
Additional Trans Data: SYNONYM:METHANE
CARBOXYLIC ACID,VINEGAR ACID.

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Disposal Data
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Landfill Ban Item: YES
Disposal Supplemental Data: ACETIC ACID WILL FREEZE AT A TEMPERATURE BELOW
60F AND WILL RETURN TO LIQUID ABOVE 62F 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
2nd EPA Haz Wst Code New: D002
2nd EPA Haz Wst Name New: CORROSIVE
2nd EPA Haz Wst Char New: CORROSIVITY
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: 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.

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.

--Revised by Nishant, 8/23/99