

**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 that start with catalog number 281

General Information

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

Ingredients/Identity Information

Proprietary: NO	NIOSH (RTECS) Number: AF1225000
Ingredient: ACETIC ACID (SARA III)	CAS Number: 64-19-7
Ingredient Sequence Number: 01	OSHA PEL: 10 PPM
Percent: 100	ACGIH TLV: 10 PPM/15 STEL; 9
192	

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.

Reactivity Data

Stability: YES
Cond To Avoid (Stability): NONE
Materials To Avoid: ALKALIES,AMINES,AND NIRIC ACID
Hazardous Decomp Products: CO &/OR CO*2
Hazardous Poly Occur: NO
Conditions To Avoid (Poly): NONE

Health Hazard Data

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

Precautions for Safe Handling and Use

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.

Control Measures

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

Transportation Data

DOT PSN Code: AAT	IMO Subsidiary Risk Label: FLAMMABLE LIQUID
DOT Proper Shipping Name: ACETIC ACID, GLACIAL OR ACETIC ACID SOLUTION,	IATA PSN Code: ABN
DOT Class: 8	IATA UN ID Number: 2789
DOT ID Number: UN2789	IATA Proper Shipping Name: ACETIC ACID SOLUTION
DOT Pack Group: II	IATA UN Class: 8
DOT Label: CORROSIVE, FLAMMABLE LIQUID *	IATA Subsidiary Risk Class: 3 *
IMO PSN Code: ACF	IATA Label: CORROSIVE & FLAMMABLE LIQUID *
IMO Proper Shipping Name: ACETIC ACID, GLACIAL	AFI PSN Code: ABL
IMO Regulations Page Number: 8100	AFI Prop. Shipping Name: ACETIC ACID GLACIAL, OR ACETIC ACID SOLUTION
IMO UN Number: 2789	AFI Class: 8
IMO UN 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.

Disposal Data

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

Label Data

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