



**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: ACETIC ACID

This MSDS is valid for all grades that start with catalog number 281

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## General Information

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Manufacturer: PHARMCO-AAPER  
58 Vale Road  
Brookfield, CT 06804  
Phone (203) 740-3471  
Fax (203) 740-3481

1101 Isaac Shelby Drive  
Shelbyville, KY 040065  
Phone (502) 633-0650  
Fax (502) 6330685

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## Ingredients/Identity Information

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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

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## Physical/Chemical Characteristics

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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

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## Fire and Explosion Hazard Data

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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 NIRIC 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.

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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.

--Revised by Nishant, 8/23/99