

EASTMAN KODAK -- GLACIAL ACETIC ACID - ACETIC ACID, GLACIAL, TECHNICAL

MATERIAL SAFETY DATA SHEET

NSN: 6810002751215

Manufacturer's CAGE: 19139

Part No. Indicator: A

Part Number/Trade Name: GLACIAL ACETIC ACID

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General Information  
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Item Name: ACETIC ACID, GLACIAL, TECHNICAL

Company's Name: EASTMAN KODAK COMPANY

Company's Street: 343 STATE STREET

Company's City: ROCHESTER

Company's State: NY

Company's Country: US

Company's Zip Code: 14650

Company's Emerg Ph #: 716-722-5151

Company's Info Ph #: 716-722-5151

Distributor/Vendor # 1: SANCHEZ AND ASSOCIATES (714-370-3921)

Distributor/Vendor # 1 Cage: 0HF19

Record No. For Safety Entry: 003

Tot Safety Entries This Stk#: 013

Status: SE

Date MSDS Prepared: 10JAN90

Safety Data Review Date: 20MAY91

Supply Item Manager: CX

MSDS Serial Number: BJYVR

Specification Number: OA-76

Hazard Characteristic Code: F6

Unit Of Issue: BT

Unit Of Issue Container Qty: 5 LB

Type Of Container: BOTTLE

Net Unit Weight: 5 LBS

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Ingredients/Identity Information  
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Proprietary: NO

Ingredient: ACETIC ACID (SARA III)

Ingredient Sequence Number: 01

Percent: 100

NIOSH (RTECS) Number: AF1225000

CAS Number: 64-19-7

OSHA PEL: 10 PPM  
ACGIH TLV: 10 PPM/15 STEL; 9192  
Other Recommended Limit: NONE SPECIFIED

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Physical/Chemical Characteristics  
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Appearance And Odor: COLORLESS LIQUID WITH PUNGENT ODOR  
Boiling Point: 245F, 118C  
Melting Point: 62  
Vapor Pressure (MM Hg/70 F): 11.4  
Vapor Density (Air=1): 2.1 AIR=1  
Specific Gravity: 1.02  
Decomposition Temperature: UNKNOWN  
Solubility In Water: COMPLETE  
Percent Volatiles By Volume: 100  
Corrosion Rate (IPY): UNKNOWN  
Autoignition Temperature: 960

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Fire and Explosion Hazard Data  
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Flash Point: 103F, 39C  
Flash Point Method: TCC  
Extinguishing Media: USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL.  
Special Fire Fighting Proc: WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. EVACUATE AREA. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.  
Unusual Fire And Expl Hazrds: COMBUSTION OR HEAT OF FIRE MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS.

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Reactivity Data  
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Stability: YES  
Cond To Avoid (Stability): HIGH HEAT, OPEN FLAMES AND OTHER SOURCES OF IGNITION  
Materials To Avoid: STRONG OXIDIZING AGENTS, AMINES, ALL BASES (ALKALIS)  
Hazardous Decomp Products: CARBON DIOXIDE, CARBON MONOXIDE  
Hazardous Poly Occur: NO  
Conditions To Avoid (Poly): NOT APPLICABLE

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Health Hazard Data  
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LD50-LC50 Mixture: LD50 (ORAL RAT) IS 3310 MG/KG

Route Of Entry - Inhalation: YES

Route Of Entry - Skin: YES

Route Of Entry - Ingestion: YES

Health Haz Acute And Chronic: MATERIAL IS A CORROSIVE ACID SOLUTION AND WILL CAUSE IRRITATION AND BURNS TO EYES, SKIN, RESPIRATORY TRACT AND GASTROINTESTINAL TRACT. INGESTION WILL RESULT IN BURNS TO THE MOUTH, THROAT, AND GASTROINTESTINAL TRACT. CHRONIC: PROLONGED EXPOSURE MAY LEAD TO DELAYED EFFECTS INCLUDING SCARRING AND INFECTION OF LIVER/KIDNEY

Carcinogenicity - NTP: NO

Carcinogenicity - IARC: NO

Carcinogenicity - OSHA: NO

Explanation Carcinogenicity: ACETIC ACID IS NOT LISTED BY IARC, NTP OR OSHA AS A CARCINOGEN.

Signs/Symptoms Of Overexp: EYE AND SKIN BURNS DEVELOP IMMEDIATELY. INGESTION MAY CAUSE ABDOMINAL PAIN, NAUSEA, VOMITING, HEMORRAGING, AND PERFORATION OF ORGANS. VAPOR IS IMMEDIATELY IRRITATING.

Med Cond Aggravated By Exp: PERSONS WITH A HISTORY OF SKIN AND RESPIRATORY DISORDERS MAY BE AT INCREASED RISK FROM EXPOSURE.

Emergency/First Aid Proc: EYE: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR 15 MINUTES. GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER. INHALATION: REMOVE TO FRESH AIR. GIVE OXYGEN IF BREATHING IS DIFFICULT. GIVE ARTIFICIAL RESPIRATION IF VICTIM IS NOT BREATHING. INGESTION: DO NOT INDUCE VOMITING. GIVE VICTIM LARGE AMOUNTS OF WATER TO DILUTE MATERIAL. GET MEDICAL ATTENTION.

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Precautions for Safe Handling and Use  
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Steps If Matl Released/Spill: WEAR PROTECTIVE EQUIPMENT, ELIMINATE SOURCES OF IGNITION, AND VENTILATE AREA AS REQUIRED. ABSORB SMALL SPILL WITH INERT MATERIAL (SAW DUST, SAND, OIL DRY ETC.) PLACE WASTE IN DOT APPROVED CONTAINER FOR DISPOSAL.

Neutralizing Agent: SODA ASH OR SODIUM BICARBONATE (SMALL SPILLS)

Waste Disposal Method: DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS. DILUTED AND NEUTRALIZED MATERIAL CAN PROBABLY BE FLUSHED TO WASTE WATER TREATMENT VIA A SEWER. UNUSED WASTE MATERIAL WOULD BE A HAZARDOUS WASTE.

Precautions-Handling/Storing: STORE IN A COOL, DRY, WELL VENTILATED AREA AWAY FROM SOURCES OF IGNITION. KEEP CONTAINER CLOSED WHEN NOT IN USE. PROTECT FROM PHYSICAL DAMAGE.

Other Precautions: CORROSIVE MATERIAL - AVOID CONTACT WITH SKIN, EYES, AND CLOTHING. AVOID BREATHING VAPORS. "EMPTIED" CONTAINERS STILL CONTAIN PRODUCT RESIDUE - TREAT AS HAZARDOUS.

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Control Measures  
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Respiratory Protection: IF VENTILATION DOES NOT MAINTAIN INHALATION EXPOSURES BELOW PEL (TLV), USE NIOSH/MSHA APPROVED RESPIRATOR AS PER CURRENT 29 CFR 1910.134, INSTRUCTIONS/WARNINGS AND NIOSH-RESPIRATOR SELECTION.

Ventilation: MECHANICAL (GENERAL) VENTILATION IS USUALLY ADEQUATE.

Protective Gloves: ACID RESISTANT IMPERMEABLE GLOVES

Eye Protection: FULL-FACED RESPIRATOR, IF NEEDED

Other Protective Equipment: SAFETY SHOWER AND EYE BATH. IMPERMEABLE BOOTS AND APRON AS REQUIRED TO AVOID PROLONGED OR REPEATED CONTACT.

Work Hygienic Practices: WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING OR DRINKING. LAUNDRER CONTAMINATED CLOTHING BEFORE REUSE.

Suppl. Safety & Health Data: CORROSIVE MATERIAL - AVOID CONTACT.

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Transportation Data  
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Trans Data Review Date: 91140

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: ABL

IATA UN ID Number: 2789

IATA Proper Shipping Name: ACETIC ACID, GLACIAL

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

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Disposal Data  
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Label Data  
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Label Required: YES  
Technical Review Date: 20MAY91  
Label Status: F  
Common Name: GLACIAL ACETIC ACID  
Chronic Hazard: NO  
Signal Word: DANGER!  
Acute Health Hazard-Moderate: X  
Contact Hazard-Severe: X  
Fire Hazard-Moderate: X  
Reactivity Hazard-None: X  
Special Hazard Precautions: MATERIAL IS A CORROSIVE ACID SOLUTION AND WILL CAUSE IRRITATION AND BURNS TO EYES, SKIN, RESPIRATORY TRACT AND GASTROINTESTINAL TRACT. INGESTION WILL RESULT IN BURNS TO THE MOUTH, THROAT, AND GASTROINTESTINAL TRACT. CHRONIC: PROLONGED EXPOSURE MAY LEAD TO EYE: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR 15 MINUTES. GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER. INHALATION: REMOVE TO FRESH AIR. GIVE OXYGEN IF BREATHING IS DIFFICULT. GIVE ARTIFICIAL RESPIRATION IF VICTIM IS NOT BREATHING. INGESTION: DO NOT INDUCE VOMITING. GIVE WATER  
Protect Eye: Y  
Protect Skin: Y  
Protect Respiratory: Y  
Label Name: EASTMAN KODAK COMPANY  
Label Street: 343 STATE STREET  
Label City: ROCHESTER  
Label State: NY  
Label Zip Code: 14650  
Label Country: US  
Label Emergency Number: 716-722-5151  
Year Procured: 1990