

## **CITRIC ACID, ANHYDROUS**

### **MSDS Number**

BDBMR

### **National Stock Number**

6810-00-141-2942

### **Product Name**

CITRIC ACID, ANHYDROUS

### **Manufacturer**

MILES INC DIAGNOSTICS DIV HAARMANN AND REIMER CORP

### **Product Identification**

Product ID:CITRIC ACID, ANHYDROUS

MSDS Date:11/15/1990

FSC:6810

NIIN:00-141-2942

MSDS Number: BDBMR

### **Responsible Party**

MILES INC DIAGNOSTICS DIV. HAARMANN & REIMER CORP.

1127 MYRTLE ST

ELKHART , IN 46515-9988

US

Emergency Phone: 219-262-7429/800-424-9300 (CHEMTREC

Info Phone: 219-262-7429

Cage: GO161

### **Contractor**

MILES INC DIAGNOSTICS DIV

3100

ELKHART, IN 46515-3100

US

800-348-8100

Cage: GO161

### **Ingredients**

CITRIC ACID

CAS: 77-92-9

RTECS: GE7350000

Fraction By Weight: 100%

### **Hazards**

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE-EYES:SLIGHT IRRITATION.

SKIN:SLIGHT IRRITATION. INHALATION:IRRITATION. INGESTION:NONE GIVEN

BY MANUFACTURER. CHRONIC-EYES:IRRITATION. SKIN:IRRITATION.

INHALATION:IRRITATION. INGESTION:NONE GIVEN BY MANUFACTURER.

Explanation of Carcinogenicity:NOT CONSIDERED TO BE A CARCINOGEN.

Effects of Overexposure:INHALE: SORE THROAT, COUGH,SHORTNESS OF BREATH.

SKIN & EYES: IRRIT.

Medical Cond Aggravated by Exposure:NONE DETERMINED.

## First Aid

First Aid:INHALE: FRESH AIR,REST, &CALL A DR. SKIN REMOVE CONTAM CLOTHES, RINSE SKIN W/PLENTY OF H\*2O. EYES:FIRST RINSE W/PLENTY OF H\*2O FOR AT LEAST 15 MINS,THEN TRANSPORT TO MD,IF NECESSARY. INGEST: RINSE MOUTH, GIVE PLENTY OF H\*2O TO DRINK.

## Fire Fighting

Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.

Unusual Fire/Explosion Hazard:FIRE OR EXCESSIVE HEAT MAY CAUSE PRODUCTION OF HAZARDOUS DECOMPOSITION PRODUCTS.

## Accidental Release

Spill Release Procedures:CLEAN UP BY VACUUM OR BROOM SWEEPING

Neutralizing Agent:SODA ASH OR SODIUM BICARBONATE

## Handling

Handling and Storage Precautions:PROTECT STORAGE CONTNRS FROM PHYSICAL DAMAGE. STORE IN DRY, COOL AREA.

Other Precautions:AVOID CONTACT WITH EYES AND SKIN. DO NOT BREATHE DUST.

## Exposure Controls

Respiratory Protection:NIOSH/US BUREAU OF MINES APPRVD DUST MASK

Ventilation:LOCAL EXHST AS NEEDED. USE MECH FOR GOOD DUST/PROCESS CONTR.

Protective Gloves:RUBBER

Eye Protection:SAFETY GLASSES W/S SHLD

Other Protective Equipment:CHEM WORKERS GOGGLES IF GROSS CNTCT LIKELY

Work Hygienic Practices:WASH HANDS AFTER CONTACT WITH THIS MATERIAL. DO NOT EAT, DRINK, OR SMOKE AROUND THIS PRODUCT.

Supplemental Safety and Health

NONE

## Chemical Properties

HCC:C3

Melt/Freeze Pt:M.P/F.P Text:307F,153C

Solubility in Water:59.2 G/100G WATER

Appearance and Odor:ODORLESS, FREE FLOWING, WHITE CRYSTALLINE GR PWDR

## Stability

Stability Indicator/Materials to Avoid:YES

CAUSTIC (ALKALIS). SOLUTIONS ARE MILDLY CORROSIVE TO CARBON STEEL.

Stability Condition to Avoid:HIGH TEMPERATURES, SPARKS, AND OPEN FLAMES

Hazardous Decomposition Products:NONE

## Disposal

Waste Disposal Methods:BURY IN APPRVD LANDFILL. INCINERATE UNDER APPRVD CONTROLLED PROCEDURES. COVER CONTAM SURFACES W/SODA ASH OR SODIUM BICARBONATE. MIX, ADD WATER IF NECESSARY. SCOOP UP SLURRY. NEUTRALIZE W/6M NH\*4OH OR 6M HCL AS REQ. WASH DOWN W/H\*2O.

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