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HAARMANN & REIMER CORP., (FORMERLY MILES, INC.) -- CITRIC ACID, ANHYDROUS, FCC, USP -- 6810-00-141-2942

Product ID:CITRIC ACID, ANHYDROUS, FCC, USP

MSDS Date:03/02/1994

FSC:6810

NIIN:00-141-2942

MSDS Number: BJNTP

=== Responsible Party ===

Company Name: HAARMANN & REIMER CORP., (FORMERLY MILES, INC.)

Address:1127 MYRTLE ST

Box:932

City:ELKHART

State:IN ZIP:46515 Country:US

Info Phone Num:800-348-7414

Emergency Phone Num:800-348-7414 Preparer's Name:R. RUPPEL-KERR

CAGE:KO211

=== Contractor Identification ===

Company Name: CHEMICAL SALES AND SERVICES INC.

Box:UNKNOW CAGE:86144

Company Name: HAARMANN & REIMER CORP., (FORMERLY MILES, INC.)

Address:1127 MYRTLE ST

Box:932

City:ELKHART

State:IN ZIP:46515 Country:US

Phone:800-348-7414

CAGE:KO211

Company Name: MILES INC MILES SCIENTIFIC DIV

Address:1127 MYRTLE ST

Box:932

City:ELKHART

State:IN ZIP:46515 Country:US

hone:800-348-7414 CAGE:5H609
======= Composition/Information on Ingredients ========
Ingred Name:CITRIC ACID OR 2-HYDROXY-1,2,3-PROPANETRICARBOXYLIC ACID CAS:77-92-9 RTECS #:GE7350000 Fraction by Wt: 100% Other REC Limits:NONE SPECIFIED OSHA PEL:5 MG/M3 (R. DUST) ACGIH TLV:5 MG/M3 (R. DUST)
============ Hazards Identification ===============
LD50 LC50 Mixture:NO TOXICITY DATA AVAILABLE. Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO Reports of Carcinoge nicity:NTP:NO IARC:NO OSHA:NO Health Hazards Acute and Chronic:ACUTE-THIS PRODUCT IS IRRITATING TO THE SKIN & EYES. CHRONIC: NO APPLICABLE INFORMATION WAS FOUND CONCERNING ANY ADVERSE EFFECTS FROM OVEREXPOSURE TO THIS PRODUCT. Explanation of Carcinogenicity:THE COMPONENTS OF THIS PRODUCT ARE NOT LISTED BY NTP, IARC OR REGULATED AS A CARCINOGEN BY OSHA. Effects of Overexposure:EYE-STINGING, REDDENING, TEARING & SWELLING. SKIN-REDDENING, STINGING, SWELLING. Medical Cond Aggravat ed by Exposure:PERSONS WITH PREEXISTING EYE OR SKIN DISORDERS MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THIS PRODUCT.
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First Aid:IN ALL CASES GET MEDICAL ATTENTION. EYES-FLUSH WITH WATER FOR 15 MINUTES. SKIN-REMOVE CONTAMINATED CLOTHES. FLUSH WITH WATER FOR 15 MINUTES. INHALED-REMOVE TO FRESH AIR. GIVE OXYGEN OR ARTIFICIAL RESP IRATION AS NEEDED. INGESTED-CONTACT POISON CONTROL CENTER OR PHYSICIAN AND O BTAIN IMMEDIATE MEDICAL ATTENTION.
=========== Fire Fighting Measures ============
Extinguishing Media:WATER, CARBON DIOXIDE, DRY CHEMICAL. Fire Fighting Procedures:FIRE FIGHTERS SHOULD BE EQUIPPED WITH SELF- CONTAINED BREATHING APPARATUS TO PROTECT AGAINST POTENTIALLY TOXIC & IRRITATING FUMES. Unusual Fire/Explosion Hazard:AVOID DUSTING. DUST CAN FORM EXPLOSIVE MIXTURES W/AIR.
========= Accidental Release Measures =========
Spill Release

Procedures:CLEAN BY VACUUM OR BROOM SWEEPING AND REMOVE TO DISPOSAL CONTAINER.
Neutralizing Agent:SODA ASH OR SODIUM BICARBONATE.
============= Handling and Storage ==============
Handling and Storage Precautions:STORE BELOW 405F/207C (PRODUCT DETERIORATES). STORE IN A COOL, DRY PLACE AWAY FROM EXCESSIVE HEAT, IN ORIGIONAL OR SIMILAR WATERPROOF CONTAINERS. Other Precautions:RESEAL CONTAINERS IMMEDIATELY AFTER USE. AVOID BREATHING DUST. AVOID CONTACT WITH EYES & SKIN. WASH THOROUGHLY AFTER HANDLING.
====== Exposure Controls/Personal Protection ========
Respiratory Protection:WORK AMBIENT CONCENTRATIONS SHOULD BE MONITORED & IF THE RECOMMENDED EXPOSURE LIMIT IS EXCEEDED, A NIOSH/MSHA APPROVED DUST RESPIRATOR SHOULD BE WORN. Ventilation:USE LOCAL VENTILATION IF DUSTING IS A PROBLEM, TO MAINTAIN AIR LEVELS BELOW THE RECOMMENDED LIMIT. Protective Gloves:RUBBER OR VINYL GLOVES. Eye Protection:CHEMICAL SAFETY GOGGLES.
Other
Protective Equipment:LONG SLEEVED SHIRTS & PANTS. EYE-WASH STATIONS, SAFETY SHOWER.
Work Hygienic Practices:EMPLOYEES SHOULD WASH THEIR HANDS & FACE BEFORE EATING, DRINKING OR USING TOBACCO PRODUCTS. Supplemental Safety and Health
EDUCATE & TRAIN EMPLOYEES IN THE SAFE USE & HANDLING OF THIS PRODUCT.
========== Physical/Chemical Properties ==========
HCC:C3 NRC/State Lic Num:NONE Decomp Temp:Decomp Text:405F,207C Solubility in Water:APPRECIABLE Appearance and Odor:ODOR LESS, FREE FLOWING WHITE CRYSTALLINE MATERIAL WITH A STRONG ACID TASTE.
========= Stability and Reactivity Data =========
Stability Indicator/Materials to Avoid:YES REACTION WITH CAUSTIC CAN CREATE HEAT (STRONG EXOTHERM). SOLUTIONS ARE MILDLY CORROSIVE TO CARBON STEEL. Stability Condition to Avoid:NONE KNOWN. Hazardous Decomposition Products:IN CASE OF FIRE; CARBON DIOXIDE, CARBON MONOXIDE AND OTHER POTENTIALLY TOXIC FUMES. Conditions to Avoid Polymerization:WILL

NOT OCCUR.

======= Disposal Considerations ===========

Waste Disposal Methods:COVER WITH SODA ASH OR SODIUM BICARBONATE TO NEUTRALIZE. MIX & ADD WATER IF NECESSARY. SCOOP UP SLURRY & DISPOSE IN ACCORDANCE WITH EXIXTING FEDERAL, STATE & LOCAL ENVIRONMENTAL CONTROL REGULATIONS.

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