

SIRCHIE FINGER PRINT LABORATORIES INC -- ATOMIC ABSORPTION ANALYSIS KIT --  
6665-01-250-4814

===== Product Identification =====

Product ID:ATOMIC ABSORPTION ANALYSIS KIT

MSDS Date:06/10/1999

FSC:6665

NIIN:01-250-4814

Status Code:A

MSDS Number: CLRGV

=== Responsible Party ===

Company Name:SIRCHIE FINGER PRINT LABORATORIES INC

Address:100 HUNTER PLACE

City:YOUNGSVILLE

State:NC

ZIP:27596

Country:US

In

fo Phone Num:919-554-2244

Emergency Phone Num:919-554-2244

Resp. Party Other MSDS Num.:AAA100

CAGE:94514

=== Contractor Identification ===

Company Name:ASHLAND CHEMICAL CO

Box:2219

City:COLUMBUS

State:OH

ZIP:43216-2219

Country:US

Phone:614-790-3333/800-274-5263

CAGE:34897

Company Name:SIRCHIE FINGER PRINT LABORATORIES INC

Address:100 HUNTER PLACE

Box:City:YOUNGSVILLE

State:NC

ZIP:27596

Country:US

Phone:919-554-2244

Contract Num:DLA400-88-P-D132

CAGE:94514

Company Name:SIRCHIE FINGER PRINT LABORA

TORIES INC  
Address:100 HUNTER PLACE  
Box:City:YOUNGSVILLE  
State:NC  
ZIP:27596  
Country:US  
Phone:919-554-2244  
Contract Num:DLA400-88-P-D671  
CAGE:94514

===== Composition/Information on Ingredients =====

Ingred Name:NITRIC ACID  
CAS:7697-37-2  
RTECS #:QU5775000  
= Wt:7.  
OSHA PEL:5 MG/M3;2 PPM  
ACGIH TLV:5.2 MG/M3;2 PPM  
ACGIH STEL:10 MG/M3;4 PPM  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:WATER  
CAS:7732-18-5  
RTECS #:ZC0110000  
= Wt:93.

===== Hazards Identification =====

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Health Hazards Acute and Chronic:ACUTE: SEVERE EYE INJURY, SKIN BURNS,  
GASTROINTESTINAL BURNS. CHRONIC: CHRONIC BRONCHITIS, EROSION OF  
TEETH.  
Effects of Overexposure:INHALATION: BURNING PAIN IN THE NOSE AND  
THROAT, COUGHING, WHEEZING, SHORTNESS OF BREATH, PULMONARY EDEMA.  
EFFECTS MAY BE DELAYED.  
Medical Cond Aggravated by Exposure:SKIN, EYE, RESPIRATORY DISEASES.

===== First

Aid Measures =====

First Aid:INHALATION: MOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN (BY QUALIFIED MEDICAL PERSONNEL ONLY!) GET MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING. IF VICTIM IS CONSCIOUS AND ALERT, GIVE 2-4 CUPS OF MILK OR WATER. (NEVER GIVE ANYTHING BYMOUTH TO AN UNCONSCIOUS PERSON!) GET MEDICAL ATTENTION. SKIN: FLUSH WITH SOAP AND WATER FOR 15 MINUTES. REMOVE CONTAMINATED CLOTHING. SEEK MEDICAL ATTENTION. EYES: FLUSH: WITH WATER FOR 15 MINUTES, LIFTING UPPER AND LOWER LIDS. DO NOT ALLOW VICTIM TO RUB OR KEEP EYES CLOSED. GET MEDICAL ATTENTION .

===== Fire Fighting Measures =====

Flash Point:NE  
Lower Limits:NE  
Upper Limits:NE  
Extinguishing Media:USE PROPER EXTINGUISHING MEDIA SUITABLE FOR SURROUNDING FIRE.  
Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING. WATER MAY BE USED TO COOL FIRE-EXPOSED CONTAINERS.

===== Accidental Release Measures =====

Spill Release Procedures:WEAR VAPOR RESPIRATOR, SAFETY GOGGLES, AND RUBBER GLOVES. REMOVE SOURCES OF IGNITION (I.E. OPEN FLAMES, SPARKS). NEUTRALIZE SPILL WITH SODIUM BICARBONATE. SOAK UP WITH INERT ABSORBENT MATERIAL (DRY SAND OR EARTH RECOMMENDED; DO NOT USE FLAMMABLE SUBSTANCES SUCH AS SAWDUST). DISPOSE ACCORDING TO LOCAL, STATE, AND FEDERAL REGULATIONS.  
Neutralizing Agent:SODIUM BICARBONATE.

===== Handling and Storage =====

Handling and Storage Precautions:KEEP IN TIGHTLY CLOSED CONTAINER. KEEP COOL AND DRY. AVOID INCOMPATIBLE MATERIALS. USE ONLY IN WELL-VENTILATED AREAS. AVOID CONTACT WITH SKIN, EYES, AND CLOTHING. DO NOT INGEST OR INHALE. WASH THOROUGHLY AFTER HANDLING.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:VAPOR RESPIRATOR.  
Ventilation:USE ONLY

Y IN WELL-VENTILATED AREAS.

Protective Gloves:WEAR SAFETY GLOVES.

Eye Protection:WEAR SAFETY GOGGLES.

Other Protective Equipment:WEAR PROTECTIVE CLOTHING.

Supplemental Safety and Health

===== Physical/Chemical Properties =====

HCC:C1

Boiling Pt:=-135.4C, -212.F

Melt/Freeze Pt:=-35.4C, -32.F

Vapor Pres:(MMHG):NE

Vapor Density:(AIR=1)NE

Evaporation Rate & Reference:NE

Solubility in Water:SOLUBLE

Appearance and Odor:CLEAR LIQUID; ACRID ODOR.

===== Sta  
bility and Reactivity Data =====

Stability Indicator/Materials to Avoid:NO

IGNITION SOURCES (HEAT, OPEN FLAME, SPARK), MOISTURE, REDUCING AGENTS,  
AIR, LIGHT,ORGANIC MATTER, COMBUSTIBLES. NITRIC ACID REACTS WITH  
OVER 150 CHEMICAL COMBINATIONS. REFER TO THE NFPA FIRE PROTECTION  
GUIDE FOR NITRIC ACID

Stability Condition to Avoid:DECOMPOSES WHEN IN CONTACT WITH AIR,  
LIGHT, OR ORGANIC MATTER.

Hazardous Decomposition Products:NITROGEN OXIDES.

Conditions to Avoid Polymeriz  
ation:HAS NOT BEEN REPORTED.

===== Ecological Information =====

Ecological:PREVENT FROM ENTERING SEWERS OR WATERWAYS. MAY BE TOXIC TO  
SOME AQUATIC LIFE. NITRIC ACID IS LISTED ON THE EPA EXTREMELY  
HAZARDOUS SUBSTANCES (EHS) LIST.

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

Waste Disposal Methods:DISPOSE ACCORDING TO LOCAL, STATE, AND FEDERAL  
REGULATIONS.

===== MSDS Transport Information =====

Transport Information:KEEP IN TIGHTLY CLOSED CONTAINER. KEEP COOL AND DRY. AVOID INCOMPATIBLE MATERIALS. AVOID CONTACT WITH SKIN, EYES, AND CLOTHING. DO NOT INGEST OR INHALE. WASH THOROUGHLY AFTER HANDLING. IATA: SHIPPING NAME NITRIC ACID; HAZARD CLASS: 8; UN 2031; PACKING GROUP: II; CORROSIVE ! UNIT OF ISSUE IS BOX CONTAINING TEN 3 ML CONTAINERS OF 7% NITRIC ACID IN WATER.

===== Regulatory Information =====

SARA Title III Information:T

HIS MATERIAL IS SUBJECT TO THE REPORTING

REQUIREMENTS OF SECTION 313 OF TITLE III AND 40 CFR PART 373.

Federal Regulatory Information:ALL INGREDIENTS ARE LISTED ON THE TSCA INVENTORY. NITRIC ACID IS LISTED AS A HAZARDOUS SUBSTANCE UNDER THE CLEAN WATER ACT. NITRIC ACID IS CONSIDERED HIGHLY HAZARDOUS BY OSHA.

===== Other Information =====

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