

MICHLIN DIAZO PRODUCTS CORP -- DIAZORB CRYSTALS -- 3610-01-050-4534

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

Product ID:DIAZORB CRYSTALS

MSDS Date:02/19/1992

FSC:3610

NIIN:01-050-4534

MSDS Number: BQDNR

=== Responsible Party ===

Company Name:MICHLIN DIAZO PRODUCTS CORP

Address:10501 HAGGERTY STREET

City:DEARBORN

State:MI

ZIP:48126

Country:US

Info Phone Num:313-846-5700

Emergency Phone Num:313-846-5700

C

AGE:8Y149

=== Contractor Identification ===

Company Name:K AND E IMAGING SYSTEMS

Address:701 AZON RD

Box:City:JOHNSON CITY

State:NY

ZIP:13790-0750

Country:US

Phone:800-828-2801

CAGE:60888

Company Name:MICHLIN DIAZO PRODUCTS CORP

Address:10501 HAGGERTY ST

Box:City:DEARBORN

State:MI

ZIP:48126

Country:US

Phone:800-255-3924

CAGE:8Y149

Company Name:OZALID CORP

Address:3120 VEST PKWY E

Box:707

City:VESTAL

State:NY

ZIP:13850

Country:US

CAGE:60887

===== Composition/Information on Ingredients

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Ingred Name:CITRIC ACID, ANHYDROUS  
CAS:77-92-9  
RTECS #:GE7350000  
Fraction by Wt: = 20%  
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:NOT SPECIFIED BY MANUFACTURER.  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:SKIN IRRITATION, RESPIRATORY TRACT  
IRRITATION, EYE IRRITATION  
Explanation of Carcinogenicity:PRODU  
CT CONTAINS NO INGREDIENTS  
CURRENTLY CLASSIFIED AS CARCINOGENIC BY NTP, IARC OR OSHA.  
Effects of Overexposure:SLIGHT IRRITATION TO SKIN AND/OR EYES,  
RESPIRATORY TRACT IRRITATION  
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

===== First Aid Measures =====

First Aid:IN CASE OF SKIN CONTACT, WASH WITH WATER. IN CASE OF EYE  
CONTACT, FLUSH WITH WATER FOR 15 MINUTES. IF IRRIATION PERSISTS,  
CONTACT A PHYSICIAN. IN CASE OF OVE  
REXPOSURE FORM INHALATION,  
REMOVE TO FRESH AIR. IN CASE OF INGESTION, DO NOT INDUCE VOMITING.  
CONSULT A PHYSICIAN OR POSION CONTROL CENTER.

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

Flash Point:NONFLAMMABLE  
Lower Limits:NONE  
Upper Limits:NONE  
Extinguishing Media:WATER, CARBON DIOXIDE, DRY CHEMICALS OR FOAM  
Fire Fighting Procedures:NONFLAMMABLE. USE PROCEDURES SUITABLE FOR  
SURROUNDING FIRE.  
Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER.

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

Spill Release Procedures:CLEAN UP BY VACUUM OR BROOM SWEEPING.  
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:HANDLE WITH NORMAL METHODS AND GOOD HOUSEKEEPING PRACTICES. STORE IN A COOL, DRY PLACE.  
Other Precautions:WHEN THE ABSORBER SOLUTION TURNS A BLuish COLOR THE MATERIAL HAS ABSORBED AS MUCH AMMONIA ODOR AS IT CAN. THE MATERIAL WILL HAVE A PH OF ABOUT 7 TO 8 AT THIS POINT.

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

Respiratory Protection:DUST MASK RECOMMENDED  
Ventilation:LOCAL EXHAUST RECOMMENDED.  
Protective Gloves:RUBBER  
Eye Protection:CHEMICAL SPLASH GOGGLES  
Other Protective Equipment:PROTECTIVE CLOTHING TO AVOID SKIN CONTACT, IE RUBBER APRON.  
Work Hygienic Practices:WASH WITH SOAP AND WATER AFTER HANDLING PRODUCT AND BEFORE EATING DRINKING OR SMOKING.  
Supplemental Safety and Health  
THIS MATERIAL IS IN CRYSTAL FORM, IN ITS OWN CONTAINER. WATER IS ADDED TO THE CRYSTALS BEFORE USE WITHOUT THE NEED FOR PHYSICAL CONTACT. CITRIC ACID IS GENERALLY RECOGNIZED AS SAFE AS A MULTIPLE PURPOSE FOOD SUBSTANCE UNDER 21 CFR 182.1033.

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

HCC:N1  
Boiling Pt:B.P. Text:SOLID  
Melt/Freeze Pt:M.P/F.P Text:307F,153C  
Vapor Pres:NIL  
Vapor Density:NIL  
Spec Gravity:1.542  
Evaporation Rate & Refere

nce:NIL  
Solubility in Water:SOLUBLE  
Appearance and Odor:SOLID GRANULAR, FREE FLOWING, WHITE CRYSTALLINE  
MATERIAL, NO ODOR  
Percent Volatiles by Volume:NIL

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES  
AQUEOUS REACTION WITH CAUSTIC CAN CREATE HEAT (STRONG EXOTHEERM).  
Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.  
Hazardous Decomposition Products:NONE SPECIFIED BY MANUFACTURER.

===== Disposal Consi  
derations =====

Waste Disposal Methods:WASH DOWN DRAIN WITH EXCESS WATER IN ACCORDANCE  
WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.

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