

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

=====

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.

==

===== 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.

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department
of Defense. The United States of America in no manner whatsoever,
expressly or implied, warrants this information to be accurate and
disclaims all liability for its use. Any person utilizing this

document should seek competent professional advice to verify and
assume responsibility for the suitability of this information to their
particular situation.