

===== 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

CAGE: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

RT

ECS #: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:PRODUCT 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 IRRITATION PERSISTS, CONTACT A PHYSICIAN. IN CASE OF OVEREXPOSURE FROM INHALATION, REMOVE TO FRESH AIR. IN CASE OF INGESTION, DO NOT INDUCE VOMITING. CONSULT A PHYSICIAN OR POISON 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 =====

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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

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===== 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 O

WN 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 & Reference:NIL

Solubility in Water:SOLUBLE

Appearance and Odor:SOLID GR

ANULAR, 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 Considerations =====

Waste Disposal Methods:WASH DOW

N DRAIN WITH EXCESS WATER IN ACCORDANCE
WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.

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