

E.I.DU PONT DE NEMOURS & CO;IMAGING SYSTEMS DEPT. -- CRONES MXD X-RAY MANUAL
DEVELOPER, PART B -- 6525-01-061-0505

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

Product ID:CRONES MXD X-RAY MANUAL DEVELOPER, PART B

MSDS Date:08/01/1989

FSC:6525

NIIN:01-061-0505

Kit Part:Y

MSDS Number: BHHJR

=== Responsible Party ===

Company Name:E.I.DU PONT DE NEMOURS & CO;IMAGING SYSTEMS DEPT.

Address:1007 MARKET STREET

City:WILMINGTON

State:DE

ZIP:19898

Country:US

Info Phone Num:800-441

-7515

Emergency Phone Num:800-441-3637 (MEDICAL)

Preparer's Name:CT SHEA OFFICE

CAGE:DO962

=== Contractor Identification ===

Company Name:DU PONT E I DE NEMOURS & CO INC IMAGING SYS DEPT

Address:BARLEY MILL PLZ 22-1356

Box:80022

City:WILMINGTON

State:DE

ZIP:19880-0022

Country:US

Phone:302-992-2012

CAGE:82348

Company Name:E.I.DU PONT DE NEMOURS,INC.

CAGE:DO962

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

Ingred Name:ACETIC ACID (SARA III)

CAS:64-19-7

RTECS #:AF1225000

F

fraction by Wt: 40-70%
OSHA PEL:10 PPM
ACGIH TLV:10 PPM/15 STEL; 9192
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:1-PHENYL-3-PYRAZOLIDONE
CAS:92-43-3
RTECS #:UQ8750000
Fraction by Wt: 0.1-1.0%

Ingred Name:WATER
CAS:7732-18-5
RTECS #:ZC0110000
Fraction by Wt: 15-40%

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:PRODUCT I
S SEVERELY IRRITATING TO
CORROSIVE TO BODY TISSUES. TOXICITY IS BY CORROSIVITY IN ALL THREE
ROUTES OF ENTRY. CHRONIC CONTACT MAY CAUSE ULCERATION OR DENTAL
EROSION.
Explanation of Carcinogenicity:THIS PRODUCT IS NOT LISTED BY IARC, NTP,
OR OSHA AS A CARCINOGEN.
Effects of Overexposure:EYE:SEVERE IRRITATION,BURNS.
SKIN:IRRITATION,BURNS. INHALED:INTENSE RESPIRATORY
IRRITATION,COUGHING. CHRONIC INHALATION MAY CAUSE ULCERATION.
INGESTED:G/I ITTITATION, BURNS.
Medical Con
d Aggravated by Exposure:PERSONS WITH A HISTORY OF AILMENTS
OR WITH A PRE-EXISTING DISEASE INVOLVING THE RESPIRATORY TRACT MAY
BE AT INCREASED RISK FROM EXPOSURE.

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

First Aid:EYE:FLUSH WITH WATER 15 MIN. GET MEDICAL CARE. SKIN:REMOVE
CONTAMINATED CLOTHING. WASH WITH SOAP & WATER. LAUNDER CLOTHING
BEFORE REUSE. INHALED:REMOVE TO FRESH AIR. RESTORE BREATHING. GET
IMMEDIATE MEDICAL CARE. INGESTION: DO NOT IND

UCE VOMITING. GIVE
LIME WATER OR MILK OF MAGNESIA. GET IMMEDIATE MEDICAL CARE.

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

Flash Point:163F,73C
Lower Limits:5.4
Upper Limits:16.0
Extinguishing Media:WATER,WATER SPRAY,WATER FOG, CARBON DIOXIDE, FOAM,
DRY CHEMICAL
Fire Fighting Procedures:WEAR SELF CONTAINED BREATHING APPARATUS AND
PROTECTIVE CLOTHING.
Unusual Fire/Explosion Hazard:NONE

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

Spi
Il Release Procedures:USE APPROPRIATE PROTECTIVE EQUIPMENT &
PROCEDURES. CONTAIN SPILL AND RECOVER LIQUID IF POSSIBLE.
NEUTRALIZE. ADSORB OR OTHERWISE COLLECT.
Neutralizing Agent:SODIUM BICARBONATE OR 50/50 MIX LIME & SODA ASH

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

Handling and Storage Precautions:KEEP CONTAINER TIGHTLY CLOSED. STORE
IN CORROSION-PROOF AREA. KEEP CONTAINERS OUT OF SUN AND AWAY FROM
HEAT. ISOLATE FROM INCOMPATIBLE MATERIALS.
Other P
recautions:DO NOT STORE OR CONSUME FOOD, DRINK OR TOBACCO IN AN
AREA WHERE THEY MAY BE CONTAMINATED BY THIS PRODUCT.

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

Respiratory Protection:NONE REQUIRED WHERE ADEQUATE VENTILATION
CONDITIONS EXIST. IF AIRBORNE CONCENTRATION EXCEEDS PEL/TLV, A
NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS IS RECOMMENDED.
Ventilation:USE MECHANICAL (GENERAL) OR LOCAL EXHAUST VENTILATION TO
MEET PEL/TLV REQUIREMENTS.
Protecti
ve Gloves:RUBBER GLOVES
Eye Protection:SAFETY GOGGLES WITH OPTIONAL FACE SHIELD
Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER. ACID
SUIT OR APRON WITH RUBBER BOOTS IF DICTATED BY TASK AT HAND.
Work Hygienic Practices:OBSERVE GOOD CHEMICAL HYGIENE PRACTICES AND
RECOMMENDED PROCEDURES. AVOID ANY CONTACT IF POSSIBLE, ESPECIALLY
WITH VAPOR
Supplemental Safety and Health
MSDS NUMBER H-15837(8/89) (VAX P0000019) DU PONT REGISTRY NUMBER
DP456-34-2.

=====

Physical/Chemical Properties =====

HCC:C2

Boiling Pt:>100.C, 212.F

Spec Gravity:1.07

pH:1.3

Solubility in Water:100%

Appearance and Odor:CLEAR LIGHT AMBER LIQUID, VINEGAR ODOR

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

Stability Indicator/Materials to Avoid:YES

STRONG BASES, OXIDIZERS

Stability Condition to Avoid:NONE

Hazardous Decomposition Products:CARBON DIOXIDE, CARBON MONOXIDE

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

Was

te Disposal Methods:DISPOSE I/A/W ALL APPLICABLE FEDERAL, STATE AND
LOCAL ENVIRONMENTAL REGULATIONS. MFR SUGGESTS NEUTRALIZED SOLUTION
MAY BE FLUSHED TO DRAIN.

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