

E.I.DU PONT DE MEMOURS & CO. -- CRONALAR DEVELOPER/REPLENISHER-PART B --
6750-01-175-3066

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

Product ID:CRONALAR DEVELOPER/REPLENISHER-PART B

MSDS Date:12/20/1991

FSC:6750

NIIN:01-175-3066

MSDS Number: BMTRN

=== Responsible Party ===

Company Name:E.I.DU PONT DE MEMOURS & CO.

Address:1007 MARKET STREET

City:WILMINGTON

State:DE

ZIP:19898

Info Phone Num:800-441-7515

Em

ergency Phone Num:800-441-3637

CAGE:NO133

=== 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 MEMOURS & CO.

Address:1007 MARKET STREET

Box:City:WILMINGTON

State:DE

ZIP:19898

Phone:800-441-7515

CAGE:NO133

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

Ingred Name:WATER

CAS:7732-18-

5
RTECS #:ZC0110000
Fraction by Wt: 40 - 70%
Other REC Limits:NONE SPECIFIED

Ingred Name:SODIUM FORMALDEHYDE BISULFITE
CAS:149-44-0
Fraction by Wt: 10 - 30%
Other REC Limits:NONE SPECIFIED

Ingred Name:POTASSIUM CARBONATE
CAS:584-08-7
RTECS #:TS7750000
Fraction by Wt: 10 - 30%
Other REC Limits:NONE SPECIFIED

Ingred Name:SODIUM METABORATE TETRAHYDRATE
CAS:7775-19-1
RTECS #:ED4640000
Fraction by Wt: 1 - 5%
Other REC Limits:NONE SPECIFIED

Ingred Name:SODIUM HYDROXIDE (SARA III)
CAS:1310-73-2
RT
ECS #:WB4900000
Fraction by Wt: 1 - 5%
Other REC Limits:NONE SPECIFIED
OSHA PEL:2 MG/M3
ACGIH TLV:C 2 MG/M3; 9293
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:SODIUM SULFITE
CAS:7757-83-7
RTECS #:WE2150000
Fraction by Wt: 1 - 5%
Other REC Limits:NONE SPECIFIED

Ingred Name:FORMALDEHYDE (SARA III)
CAS:50-00-0
RTECS #:LP8925000
Fraction by Wt: 0.1 - 1%
Other REC Limits:NONE SPECIFIED
OSHA PEL:SEE 1910.1048
ACGIH TLV:C 0.3 PPM; A2; 9293
EPA Rpt Qty:100 LBS
DOT Rpt Qty:100 LBS

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

LD50 LC50 Mixture:LD50 (ORAL RAT) 500 MG/KG (FORMALDEHYDE)

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES

Health Hazards Acute and Chronic:ACUTE-MAY CAUSE IRRITATION OF

EYES,SKIN & RESPIRATORY TRACT.HIGH CONCENTRATION CAN CAUSE EYE & SKIN DAMAGE,COUGH,DISCOMFORT,SHORTNESS OF BREATH.ORALLY CAN CAUSE NAUSEA,VOMITING,DIARRHEA,HEADACHE,WEAKN ESS,CNS DEPRESSION & EVEN

DEATH.CHRONIC-MAY CAUSE DERMATITIS,CONJUNCTIVITIS & CNS DEPRESSION.

Explanation of Carcinogenicity:CONTAINS FORMALDEHYDE, PER MSDS.

Effects of Overexposure:MAY CAUSE IRRITATION OF EYES, SKIN &

RESPIRATORY TRACT. HIGH CONCENTRATION CAN CAUSE EYE & SKIN DAMAGE, COUGH, DISCOMFORT, SHORTNESS OF BREATH. ORALLY CAN CAUSE NAUSEA, VOMITING, DIARRHEA, HEADACHE, W EAKNESS, CNS DEPRESSION & EVEN DEATH.

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN DISORDERS

OR EYE PROBLEMS OR IMPAIRED RESPIRATORY FUNCTION MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THE SUBSTANCE.

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

First Aid:GET MEDICAL ATTENTION IF SYMPTOMS PERSIST.SKIN:WASH WITH SOAP & WATER.EYE:FLUSH WITH WATER FOR 15 MINUTES,HOLDING EYELIDS OPEN.INHALED:REMOVE TO FRESH AIR & PROVIDE OXYGEN/CPR IF NEEDED.ORAL:DO NOT IN DUCE VOMITING.IF CONSCIOUS,DRINK LARGE AMOUNT OF WATER.CALL PHYSICIAN.

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== Fire Fighting Measures =====

Flash Point:NONE

Extinguishing Media:EXTINGUISH WITH AGENT SUITABLE FOR SURROUNDING FIRE

Fire Fighting Procedures:KEEP PERSONNEL REMOVED AND UPWIND OF FIRE.

WEAR SELF CONTAINED BREATHING APPARATUS. WEAR FULL PROTECTIVE EQUIPMENT.

Unusual Fire/Explosion Hazard:NONE KNOWN.

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

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENTS. VENTILATE AREA. DIKE SPILL. SOAK UP WITH S

AWDUST, SAND, OIL DRY OR OTHER ABSORBENT
MATERIALS. NEUTRALIZE WITH WEAK ACID.
Neutralizing Agent:WEAK ACIDS

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

Handling and Storage Precautions:STORAGE-STORE IN WELL VENTILATED
AREA.KEEP CONTAINER TIGHTLY CLOSED.

Other Precautions:PROCESSING MAY PRODUCE SOLUBLE SILVER COMPLEXES WHICH
REQUIRES TREATMENT TO MEET GOVERNMENTAL STANDARDS FOR WASTE WATER
DISCHARGE. AVOID CONTACT WITH EYES AND SKIN. DO NOT BREATHE MISTS

OR VAPORS. WAS H THOROUGHLY AFTER HANDLING.

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

Respiratory Protection:NONE REQUIRED WHERE ADEQUATE VENTILATION
CONDITIONS EXIST. IF AIRBORNE CONCENTRATION EXCEEDS TLV, A
DUST/MIST RESPIRATOR IS RECOMMENDED. IF CONCENTRATION EXCEEDS
CAPACITY OF RESPIRATOR, A SELF-CONTAIN ED BREATHING APPARATUS IS
ADVISED.

Ventilation:GOOD GENERAL VENTILATION IS SUFFICIENT FOR MOST CONDITIONS.

Protective Gloves:NEOPRENE OR LATE

X

Eye Protection:CHEMICAL SPLASH GOGGLES

Other Protective Equipment:EYE WASH STATION, QUICK DRENCH SHOWER AND
IMPERVIOUS CLOTHING

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND
RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR
FOOTWEAR.

Supplemental Safety and Health

PART B OF A 2 PART KIT. FOR PART A SEE NSN 6750-01-176-0367. FORMULA
CHANGED. FOR PREVIOUS FORMULATIONS, SEE PIN A OR B.

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

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HCC:B3

Boiling Pt:B.P. Text:>212F,>100C

Spec Gravity:1.3 - 1.4

pH:11-12

Solubility in Water:COMPLETE

Appearance and Odor:COLORLESS, ODORLESS, CLEAR LIQUID

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

Stability Indicator/Materials to Avoid:YES

INCOMPATIBLE WITH STRONG ACIDS

Stability Condition to Avoid:STABLE AT ROOM TEMPERATURES AND STORAGE
CONDITIONS.

Hazardous Decomposition Products:DECOMPOSES BY REACTION WITH STRONG
ACIDS

===== Disposa

I Considerations =====

Waste Disposal Methods:TREATMENT, STORAGE, TRANSPORTATION AND DISPOSAL
MUST BE IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL
REGULATIONS. REMOVE NON USABLE SOLID MATERIAL AND/OR CONTAMINATED
SOIL FOR DISPOSAL IN AN APPROV ED AND PERMITTED LANDFILL.

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