

AGFA DIV OF MILES INC., PHOT IMAGING SYSTEMS -- 597 PROCESS 44FDR-AR FIRST DEVELOPER  
REPLENISHER -- 6750-01-379-4066

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

Product ID:597 PROCESS 44FDR-AR FIRST DEVELOPER REPLENISHER

MSDS Date:11/01/1993

FSC:6750

NIIN:01-379-4066

MSDS Number: CCJGQ

=== Responsible Party ===

Company Name:AGFA DIV OF MILES INC., PHOT IMAGING SYSTEMS

Address:100 CHALLENGER RD

City:RIDGEFI

ELD PARK

State:NJ

ZIP:07660

Country:US

Info Phone Num:201-440-2500/212-971-0260

Emergency Phone Num:303-623-5716/800-424-9300(CHEMTREC)

CAGE:NO558

=== Contractor Identification ===

Company Name:AGFA DIV OF MILES INC., PHOT IMAGING SYSTEMS

Address:100 CHALLENGER RD

Box:City:RIDGEFIELD PARK

State:NJ

ZIP:07660

Country:US

Phone:201-440-2500/212-971-0260

CAGE:NO558

Company Name:AGFA DIVISION, BAYER CORPORATION

Address:100 CHALLENGER ROAD

Box:City:RIDGEFIELD PARK

State:NJ

ZIP:07660

Country:US

Phone:20

1-440-2500

CAGE:0P7P7

Company Name:BAYER CORP / AGFA DIVISION

Address:100 CHALLENGER ROAD

Box:City:RIDGEFIELD

State:NJ

ZIP:07660

Country:US

Phone:201-440-2500

CAGE:59735

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

Ingred Name:DIETHYLENE GLYCOL

CAS:111-46-6

RTECS #:ID5950000

Fraction by Wt: 5-10%

Other REC Limits:NONE RECOMMENDED

Ingred Name:WATER

CAS:7732-18-5

:10117-38-1  
RTECS #:WT3530000  
Fraction by Wt: 10-15%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:POTASSIUM CARBONATE  
CAS:584-08-7  
RTECS #:TS7750000  
Fraction by Wt: 5-10%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:POTASSIUM HYDROQUINONE MONOSULFONATE  
CAS:21799-87-1  
Fraction by Wt: 5-10%  
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:EYE/SKIN CONTACT:MAY CAUSE IRRIT.  
INHAL:NORMALLY NO PROBLEM, BUT INHAL OF MIST COULD CAUSE RESP  
IRRIT. INGEST:MAY CAUSE IRRIT OF MUCOUS MEMBRANES OR DIGESTIVE  
TRACT. CHRONIC:COMPUTERIZED LITERATURE SEARCH OF NAT DATABASE OF  
EACH INGRED DIDN'T YIELD ANY CHRONIC EFFECTS ASSOC W/THESE MATLS.  
Explanation of Carcinogenicity:PER MSDS:CARCINOGENICITY  
LISTING:NTP/IARC/OSHA:NO.  
Effects of Over  
exposure:EYE/SKIN IRRIT. RESPIRATORY IRRIT. MUCOUS  
MEMBRANES OR DIGESTIVE TRACT IRRIT.  
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:EYE:IMMED FLUSH W/PLENTY OF RUNNING WATER FOR @LEAST  
15MINS.OBTAIN MED ATTN.SKIN:FLUSH PROMPTLY W/WATER FOR  
15MINS.REMOVE CONTAMIN CLOTH.IN CASE OF CONT IRRIT CONSULT  
PHYSICIAN.INHAL:FOR OVER-EXPO REMOVE TO FRESH AIR.INGEST:OBTAIN  
IMMED MEDATT

N.

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

Flash Point:NON-COMBUSTIBLE

Autoignition Temp:Autoignition Temp Text:NP

Lower Limits:NP

Upper Limits:NP

Extinguishing Media:ANY APPLICABLE TO PRIMARY CAUSE OF FIRE.

Fire Fighting Procedures:EVACUATE PERSONNEL TO SAFE AREA.KEEP PERSONNEL REMOVED & UPWIND OF FIRE. WEAR SELF-CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:FIRE/EXPL HAZ:NONE. WHEN HEATED TO DECOMPOSITION EMISSION OT TOXIC FUMES OF SO2 IS POSSIBLE.

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

Spill Release Procedures:REVIEW FIRE FIGHTING/EXPO CNTRL/PPE SECTIONS OF MSDS BEF PROCEEDING W/CLEAN UP.USE APPORPRIATE PPE DURING CLEANUP.DIKE SPILL.PREVENT LIQ FROM ENTERING SEWERS/WATERWAYS/LOW AREAS.SOAK UP W/SAWDUST/SAND /OIL DRY/OTHER ABSORBENT MATL.SPILL NEUTRALIZE(SUP

Neutralizing Agent:POWDERED CITRIC ACID.

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

Handling and Storage

Precautions:AVOID EYE/SKIN CONTACT.STORE IN WELL

VENTI AREA.KEEP CNTNR TIGHTLY CLOSED.DO NOT STORE W/INCOMPATIBLE MATLS.

Other Precautions:DO NOT STORE/CONSUME FOOD/DRINK/TOBACCO IN AREA WHERE THEY MAY BECOME CONTAMINATED W/THIS MATL.NOT EXPECTED TO PRESENT ANY SIGNIFICANT ECOLOGICAL PROBLEMS.

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

Respiratory Protection:NONE NEEDED W/WORKING MIXTURES & NORMAL ROOM VENTILATION (100 CHANGES OF AIR PER HR).

Ve

ntilation:ROOM VENTILATION IS SUFFICIENT.AVOID USE OF PROD IN UNVENTI AREA.ALWAYS CONTROL AIRBORNE LEVELS BEL EXPO GUIDELINES.

Protective Gloves:CHEMICAL RESISTANT GLOVES.

Eye Protection:SPLASH PROT:EYEGASSES W/SIDESHIELD,GOGG

Other Protective Equipment:CHEMICAL RESISTANT APRONS,DISPOSABLE COVERALLS OPTIONAL & DISCARD AFT USE.

Work Hygienic Practices:HMIS:LAUNDER CONTAMIN CLOTH BEF REUSE.

Supplemental Safety and Health

SPILL:W/POWDERED CITRIC ACID. DISPO:OF PERMITTING AUTHORITY & MAY

REQUIRE PRETREATMENT.CERCLA HAZ SUBST:NOT LISTED.SARA TITLE  
III:DIETHYLENE GLYCOL 1(10% AS GLYCOL CMPD).

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

HCC:B3

Boiling Pt:=100.C, 212.F

Vapor Pres:N/ESTIMATE

Vapor Density:N/ESTIMATE

Spec Gravity:1.298

pH:10.00

Viscosity:NP

Evaporation Rate & Reference:N/ESTIMATED

Solubility in Water:100% COMPLETE.

Appearance and Odor:CLEAR & LIGHT YELLOW LIQUID, NO ODOR.

Percent Volatiles by Volume:N/ESTI

Corrosion Rate:NP

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

Stability Indicator/Materials to Avoid:YES

STRONG ACIDS, OXIDIZERS.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:OXIDES OF SULFUR, CO2, CARBON  
MONOXIDE.

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

Waste Disposal Methods:RECOVER NONUSABLE FREE LIQ &/OR CONTAMIN  
WATER.DISPO OF IN APPROVED/PERMITTED TREATMENT SYS;INCINERATION  
RECOMMENDED.REVMOVE NONUS  
ABLE SOLID MATL &/OR CONTAMIN SOIL FOR  
DISPO IN APPROVED/PERMITTED LAN DFILL.DISCHARGE TO SEWER REQUIRES  
APPROVAL (SUPPL)

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