

AGFA CORP -- ZMR FINISHER -- 6850-00N031820

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

Product ID:ZMR FINISHER  
MSDS Date:04/01/1988  
FSC:6850  
NIIN:00N031820  
MSDS Number: BPPWZ  
=== Responsible Party ===  
Company Name:AGFA CORP  
Address:100 CHALLENGER ROAD  
City:RIDGEFIELD 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:HO790

==== Contractor Identification ===

Company Name:AGFA CORP  
Address:100 CHALLENGER ROAD  
Box:City:RIDGEFIELD PARK  
State:NJ  
ZIP:07660  
Country:US  
Phone:201-440-2500;303-623-5716  
CAGE:HO790  
Company Name:AGFA DIVISION/BAYER CORPORATION  
Address:100 CHALLENGER ROAD  
Box:City:RIDGEFIELD PARK  
State:NJ  
ZIP:07660  
Country:US  
Phone:210-440-2500  
CAGE:59710

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

Ingred Name:THIOSULFURIC ACID, DIAMMANIUM SALT; (AMMONIUM THIOSULFATE)  
CAS:7783-18-8  
RTECS #:XN6465000  
Fraction by Wt: 10-15%

Ingred Name:SODIUM SULFITE  
CAS:7757-83-7  
RTECS #:WE2150000  
Fraction by Wt: 1-5%

Ingred Name:ACETIC ACID  
CAS:64-19-7  
RTECS #:AF1225000  
Fraction by Wt: 1-5%  
OSHA PEL:10 PPM  
ACGIH TLV:10 PPM;15 STEL

EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.  
Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:EYE: MAY CAUSE IRRIT. SKIN: NO DERMAL IRRIT AS PER TESTS PERFORMED. INHAL: NORMALLY NO PROBLEM, BUT INHAL OF MIST COULD CAUSE RESP IRRIT. INGEST: MAY CAUSE IRRITATION OF THE MUCOUS MEMBRANES OR DIGEST IVE TRACT. CHRONIC: A COMPUTERIZED LITERATURE SEARCH OF NATL DATABASES DID NOT YIELD ANY CHRONIC EFTS ASSOC W/MATL.  
Explanation of Carcinogenicity:NOT RELEVANT  
Effects of Overexposure:SEE HEALTH HAZARDS.  
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:EYES: IMMED FLUSH WITH PLENTY OF RUNNING WATER FOR AT LEAST 15 MIN. OBTAIN MED ATTN. SKIN: FLUSH AFFECTED AREAS PROMPTLY WITH WATER FOR 15 MIN. REMOVE CONTAMINATED CLOTHING. INHAL: REMOVE TO FRESH AIR . INGEST: OBTAIN IMMED MED ATTN.

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

Extinguishing Media:ANY APPLICABLE TO PRIMARY CAUSE OF FIRE.  
Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT . EVACUATE PERSONNEL TO SAFE AREA. KEEP PERSONNEL REMOVED & UPWIND OF FIRE.  
Unusual Fire/Explosion Hazard:WHEN HEATED TO DECOMPOSITION EMISSION OF TOXIC FUMES OF SO2 IS POSSIBLE.

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

Spill Release Procedures:REVIEW FIRE & EXPLO HAZ & PERSONAL PROT BEFORE PROCEEDING W/CLEAN UP. USE APPROP PERSONAL & PROT EQUIP DURING CLEAN UP. DIKE SPILL. PVNT LIQ FROM ENTERING SEWERS, WATERWAYS OR LOW AREAS. SOAK UP W/SAW DUST, SAND, OIL DRY OR OTHER ABSORBENT MATERIAL.  
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE IN WELL VENTILATED AREA. KEEP CONTAINER TIGHTLY CLOSED. DO NOT STORE WITH INCOMPATIBLE MATERIALS.  
Other Precautions:DO NOT STORE OR CONSUME FOOD, DRINK OR TOBACCO IN AREA WHERE THEY MAY BECOME CONTAMINATED WITH THIS MATERIAL.

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

Respiratory Protection:NONE NEEDED WITH WORKING MIXTURES & NORMAL ROOM VENTILATION. USE NIOSH/MSHA APPROVED RESPIRATOR APPROPRIATE FOR EXPOSURE OF CONCERN .  
Ventilation:ROOM VENTILATION IS SUFFICIENT. AVOID USE OF PRODUCT IS

UNVENTILATED AREAS.  
Protective Gloves:CHEMICAL GLOVES.  
Eye Protection:CHEMICAL WORKERS GOGGLES .  
Other Protective Equipment:CHEMICAL APRONS ARE RECOMMENDED.  
Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.  
Supplemental Safety and Health  
VP: SAME AS H2O. VAP DEN: SAME AS H2O. % VOLAT: SAME AS H2O. WASTE DISP  
METH: AUTH & MAY REQUIRE PRETREATMENT. DISPOSE OF IN ACCORDANCE  
WITH FEDERAL, STATE AND LOCAL REGULATIONS .

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

HCC:C3  
Boiling Pt:B.P. Text:212F,100C  
Vapor Pres:SUPP DATA  
Vapor Density:SUPP DATA  
Spec Gravity:1.085(H2O=1)  
pH:4.90  
Evaporation Rate & Reference:SAME AS H2O  
Solubility in Water:100%  
Appearance and Odor:CLEAR & COLORLESS, SLIGHT SULFUR DIOXIDE ODOR.  
Percent Volatiles by Volume:SUPDAT

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

Stability Indicator/Materials to Avoid:YES  
STRONG ALKALIES, STRONG ACIDS, OXIDIZERS.  
Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.  
Hazardous Decomposition Products:SOX, CO2, CO, AMMONIA.

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

Waste Disposal Methods:RECOVER NONUSABLE FREE LIQ &/OR CONTAM H2O, &  
DISPOSED OF IN AN APPRVD & PERMITTED TRTMT SYS. REMOVE NONUSABLE  
SOLID MATL &/OR CONTAM SOIL, FOR DISP IN AN APPRVD & PERMITTED  
LANDFILL. DISCHARGE TO SEW ER REQUIRES APPROVAL OF PERMITTING (SUPP  
DATA)

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