

AGFA CORPORATION -- FX-UNIVERSAL FIXER -- 6750-01-379-4287

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

Product ID:FX-UNIVERSAL FIXER

MSDS Date:07/01/1993

FSC:6750

NIIN:01-379-4287

MSDS Number: BYDFZ

=== Responsible Party ===

Company Name:AGFA CORPORATION

Address:100 CHALLENGER RD

City:RIDGFIELD PARK

State:NJ

ZIP:07660

Country:US

Info Phone Num:201-440-2500

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

CAG

E:HO792

=== Contractor Identification ===

Company Name:AGFA CORPORATION

Address:100 CHALLENGER ROAD

Box:City:RIDGFIELD PARK

State:NJ

ZIP:07660

Country:US

Phone:201-440-2500

CAGE:HO792

Company Name:AGFA DIVISION, BAYER CORPORATION

Address:100 CHALLENGER ROAD

Box:City:RIDGFIELD PARK

State:NJ

ZIP:07660

Country:US

Phone:201-440-2500

CAGE:0P7P7

Company Name:BAYER CORP / AGFA DIVISION

Address:100 CHALLENGER ROAD

Box:City:RIDGFIELD

State:NJ

ZIP:07660

Country:US

Phone:201-440-2500

CAGE:59735

=====

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

Ingred Name:AMMONIUM THIOSULFATE  
CAS:7783-18-8  
RTECS #:XN6465000  
Fraction by Wt: 45-50%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:AMMONIUM HYDROXIDE  
CAS:1336-21-6  
RTECS #:BQ9625000  
Fraction by Wt: 1-5%  
Other REC Limits:NONE RECOMMENDED  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:WATER  
CAS:7732-18-5  
RTECS #:ZC0110000  
Fraction by Wt: 35-40%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:SODIUM SULFITE  
CAS:7757-83-7  
RTEC  
S #:WE2150000  
Fraction by Wt: 10-15%  
Other REC Limits:NONE RECOMMENDED

==== 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:ACUTE: EYE/SKIN-MAY CAUSE IRRITATION.  
INHALATION-NORMALLY NO PROBLEM BUT INHALATION OF MIST COULD CAUSE  
RESPIRATORY IRRITATION. INGESTION-MAY CAUSE IRRITATION OF MUCOUS  
MEMBRANES OR DIGESTIVE TRACT. C HR  
ONIC: NO EFFECTS ASSOCIATED  
W/THESE MATERIALS.  
Explanation of Carcinogenicity:NOT CARCINOGENIC.  
Effects of Overexposure:NONE SPECIFIED BY MANUFACTURER.  
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:EYES: IMMEDIATELY FLUSH W/PLENTY OF RUNNING WATER FOR AT  
LEAST 15 MINUTES. GET MEDICAL ATTENTION. SKIN: FLUSH AFFECTED AREAS  
PROMPTLY W/WATER FOR 15 MINUTES. REMOVE CONTAMINATED CLOTHING.

IN

CASE OF CONTINUED IRRITATION, CONSULT PHYSICIAN. INHALATION: FOR OVEREXPOSURE, REMOVE TO FRESH AIR. INGESTION: OBTAIN IMMEDIATE MEDICAL ATTENTION.

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

Flash Point:NONCOMBUSTIBLE

Extinguishing Media:ANY APPLICABLE TO PRIMARY CAUSE OF FIRE.

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

Unusual Fire/Explosion Hazard:

WHEN HEATED TO DECOMPOSITION EMISSION OF TOXIC FUMES OF SO<sub>2</sub> IS POSSIBLE.

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

Spill Release Procedures:USE APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT DURING CLEAN UP. DIKE SPILL. PREVENT LIQUID FROM ENTERING SEWERS, WATERWAYS OR LOW AREAS. SOAK UP W/SAWDUST, SAND, OIL DRY OR OTHER ABSORBENT MATERIAL.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE IN WELL-VENTILATED AREA. KEEP CONTAINER TIGHTLY CLOSED. DO NOT STORE WITH INCOMPATIBLE MATERIAL. DO NOT STORE/CONSUME FOOD/DRINK/TOBACCO IN AREA

Other Precautions:AVOID EYE AND SKIN CONTACT.

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

Respiratory Protection:NONE NEEDED W/WORKING MIXTURES AND NORMAL ROOM VENTILATION (10 CHANGES OF AIR PER HOUR).

Ventilation:ROOM VENTILATION IS SUFFICIENT. AVOID USE OF PRODUCT IN UNVENTILATED AREAS.

Protective Gloves:CHEMICAL RESISTANT GLOVES.

Eye Protection:GLASSES WITH SIDE SHIELDS OR GOGGLES.

Other Protective Equipment:CHEMICAL RESISTANT APRONS. DISPOSABLE COVERALLS ARE OPTIONAL, AND DISCARD AFTER USE.

Work Hygienic Practices:WASH HANDS THOROUGHLY AFTER USE AND BEFORE EATING, DRINKING, SMOKING OR USING SANITARY FACILITIES.

Supplemental Safety and Health NON-REGULATED.

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

HCC:N1

Boiling Pt:B

.P. Text:212F,100C

Spec Gravity:1.369

pH:7.60

Solubility in Water:100%

Appearance and Odor:CLEAR AND COLORLESS LIQUID, SLIGHT AMMONIA ODOR.

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

Stability Indicator/Materials to Avoid:YES

ALKALI, STRONG ACIDS, OXIDIZERS.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

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

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

=

Waste Disposal Methods:RECOVER NONUSABLE FREE LIQUID/CONTAMINATED WATER & DISPOSE IN AN APPROVED/PERMITTED TREATMENT SYSTEM; INCINERATION IS RECOMMENDED. REMOVE NONUSABLE SOLID MATERIAL/SOIL, FOR DISPOSAL IN APPROVED/PERMITTED LANDFILL. DISCHARGE TO SEWER REQUIRES APPROVAL

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever,

expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.