

AGFA CORPORATION -- G-335C INDUSTRIAL X-RAY FIXER WORKING STRENGTH --  
6750-01-461-5240

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

Product ID:G-335C INDUSTRIAL X-RAY FIXER WORKING STRENGTH

MSDS Date:03/17/1998

FSC:6750

NIIN:01-461-5240

Status Code:A

Kit Part:Y

MSDS Number: CLPJC

=== Responsible Party ===

Company Name:AGFA CORPORATION

Address:100 CHALLENGER RD

City:RIDGFIELD PARK

State:NJ

ZIP:07660

Countr

y:US

Info Phone Num:201-440-2500

Emergency Phone Num:303-623-5716 HEALTH

Resp. Party Other MSDS Num.: 79WS

Preparer's Name:R. RUPPEL-KERR

Chemtec Ind/Phone:(800)424-9300

CAGE:1MVW0

=== Contractor Identification ===

Company Name:AGFA CORPORATION

Address:100 CHALLENGER RD

Box:City:RIDGFIELD PARK

State:NJ

ZIP:07660

Country:US

Phone:201-440-2500

CAGE:1MVW0

Company Name:BAYER CORP / AGFA DIVISION

Address:100 CHALLENGER ROAD

Box:City:RIDGFIELD

State:NJ

ZIP:07660

Country:US

Phone:201-440-2500

CAGE:5

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 ===== Composition/Information on Ingredients =====  
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Ingred Name:AMMONIUM THIOSULFATE

CAS:7783-18-8

RTECS #:XN6465000

Minumum % Wt:10.

Maxumum % Wt:15.

Ingred Name:SODIUM SULFITE (DISODIUM SULFITE)

CAS:7757-83-7

RTECS #:WE2150000

Minumum % Wt:1.

Maxumum % Wt:5.

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 ===== Hazards Identification =====  
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Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:

ACUTE: INHALATION-INHALATION OF

AMMONIUM THIOSULFATE & SODIUM SULFITE VAPORS MAY BE IRRITATING TO THE RESPIRATORY TRACT. SULFITES MAY CAUSE AN ALLERGIC REACTION IN SOME ASTHMATICS & SULFITE SENSITIVE INDIVIDUALS. SKIN-AMMONIUM THIOSULFATE & SODIUM SULFITE MAY BE IRRITATING TO THE SKIN.

EYE-AMMONIUM THIOSULFATE & SODIUM SULFITE MAY BE IRRITATING TO THE EYES. INGESTION-INGESTION OF SODIUM SULFITE & AMMONIUM THIOSULFATE MAY CAUSE GASTROINTESTINAL IRRITATION. CHRONIC: S

KIN-REPEATED OR

PROLONGED CONTACT WITH SULFITES MAY CAUSE AN ALLERGIC SKIN REACTION IN SENSITIVE INDIVIDUALS.

Explanation of Carcinogenicity:THE COMPONENTS OF THIS PRODUCT ARE NOT LISTED BY NTP, IARC OR REGULATED AS A CARCINOGEN BY OSHA.

Effects of Overexposure:INHALATION: SYMPTOMS OF SORE THROAT, COUGHING, RUNNY NOSE, ALLERGIC REACTION. POSSIBLE SYMPTOMS INCLUDE BRONCHOCONSTRICTION, SWEATING, FLUSHING, HIVES, RAPID HEART RATE, DECREASED BLOOD PRESSURE, AND ANAPHYLAXIS.

SKIN CONTACT: SYMPTOMS

OF REDDENING AND ITCHING. EYE CONTACT: SYMPTOMS OF REDDENING, TEARING, & STINGING.

Medical Cond Aggravated by Exposure:PERSONS WITH PREEXISTING EYE, SKIN, OR RESPIRATORY TRACT DISORDERS MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THIS PRODUCT.

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 ===== First Aid Measures =====  
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First Aid:EYES: IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. CALL A PHYSICIAN. SKIN: IN CASE OF

CONTACT, REMOVE CONTAMINATED CLOTHING, IMMEDIATELY WASH SKIN WITH PLEN TY OF WATER. WASH CLOTHING BEFORE REUSE. CALL A PHYSICIAN IF IRRITATION PERSISTS. INHALATION: IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. CALL A PHYSICIAN. INGESTION: IF SWALLOWED, CALL A PHYSICIAN.

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

Flash Point:NONCOMBUSTIBLE

Extinguishing Media:MATERIAL IS NOT COMBUSTIBLE. USE EXTINGUISHING

MEDIA SUITABLE FOR OTHER COMBUSTIBLE MATERIALS IN THE AREA.

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

Unusual Fire/Explosion Hazard:WHEN HEATED TO DECOMPOSITION EMISSION OF TOXIC FUMES OF S02 IS POSSIBLE.

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

Spill Release Procedures:USE APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT

DURING CLEANUP. DIKE SPILL. PREVENT LIQUID FROM ENTERING SEWERS, WATERWAYS OR LOW AREAS. SOAK UP WITH SAWDUST, SAND, OIL DRY OR OTHER ABSORBENT MATERIAL.

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

Handling and Storage Precautions:STORE BETWEEN 40F (4.4C) AND 80F (26C). PREFERRED STORAGE IS AT 68F (20C). KEEP FROM FREEZING. AVOID EYE AND SKIN CONTACT, AND STORE IN WELL-VENTILATED AREA. KEEP CONTAINER TIGHTLY CLOSED.

DO NOT STOR E WITH INCOMPATIBLE MATERIALS.

Other Precautions:DO NOT STORE OR CONSUME FOOD, DRINK OR TOBACCO IN AREA WHERE THEY MAY BECOME CONTAMINATED WITH THIS MATERIAL. KEEP OUT OF THE REACH OF CHILDREN.

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

Respiratory Protection:UNDER NORMAL CONDITIONS OF USE, RESPIRATOR PROTECTION IS NOT REQUIRED. IF RESPIRATORS ARE USED, INSTITUTE A PROGRAM IN ACCORDANCE WITH OSHA STANDARD 29 CFR 1010.134.

Ventilation:USE

SUFFICIENT GENERAL ROOM VENTILATION AND/OR LOCAL EXHAUST TO MAINTAIN AIRBORNE LEVELS OF VAPORS BELOW APPLICABLE EXPOSURE LIMITS.

Protective Gloves:FOR SKIN PROTECTION US CHEMICAL RESISTANT GLOVES.

Eye Protection:SPLASH PROTECTION REQUIRED FOR EYES, EYE GLASSES WITH SIDE SHIELDS OR GOGGLES.

Other Protective Equipment:FOR SKIN PROTECTION USE CHEMICAL RESISTANT APRONS. EMERGENCY SHOWERS AND EYE WASH STATIONS SHOULD BE MADE AVAILABLE. EDUCATE AND TRAIN EMPLOYEES IN THE SAFE USE AND HANDLING OF THIS PRODUCT.

Supplemental Safety and Health

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

HCC:C3

Boiling Pt:=100.C, 212.F

B.P. Text:APPROXIMATE

Spec Gravity:APPROX 1.11

pH:APPROX 4.2

Solubility in Water:SOLUBLE

Appearance and Odor:CLEAR COLORLESS LIQUID; SLIGHT SULFUR DIOXIDE.

Percent Volatiles by Volume:N/E

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

Stability Indicator/Materials to Avoid:YES  
STRONG ALKALI, STRONG ACIDS, OXIDIZERS.

Stability Condition to Avoid:NONE KNOWN.

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

Conditions to Avoid Polymerization:WILL NOT OCCUR.

===== Toxicological Information =====

Toxicological Information:NO ANIMAL TOXICITY INFORMATION AVAILABLE.

===== Ecological Information =====

Ecological:NO ECOLOGICAL INFORMATION AVAILABLE.

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

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Waste Disposal Methods:RECOVER NONUSABLE FREE LIQUID AND/OR CONTAMINATED WATER, AND DISPOSE OF IN AN APPROVED AND PERMITTED TREATMENT SYSTEM. REMOVE NONUSABLE SOLID MATERIAL AND/OR CONTAMINATED SOIL, FOR DISPOSAL IN AN APPROVED AND PERMITTED LANDFILL. DISCHARGE TO SEWER MAY REQUIRE APPROVAL OF PERMITTING AUTHORITY AND MAY REQUIRE PRETREATMENT.

===== MSDS Transport Information =====

Transport Information:TECHNICAL SHIPPING NAME: AQU  
EUS PHOTOCHEMICAL  
SOLUTION. PRODUCT LABEL: G-335C INDUSTRIAL X-RAY FIXER WORKING. DOT  
(DOMESTIC SURFACE): NON-REGULATED. IMO/IMDG CODE (OCEAN):  
NON-REGULATED. ICAO/IATA (AIR): NON-REGULATED.

===== Regulatory Information =====

SARA Title III Information:SARA TITLE III: SECTION 302 EXTREMELY  
HAZARDOUS SUBSTANCE: NONE. SECTION 311/312 HAZARD CATEGORIES:  
IMMEDIATE HEALTH HAZARD. SECTION 313 TOXIC CHEMICALS: NONE.

Federal Regulatory Information:

OSHA STATUS: THIS PRODUCT IS HAZARDOUS  
UNDER THE CRITERIA OF THE FEDERAL OSHA HAZARD COMMUNICATION  
STANDARD 29 CFR 1910.1200. TSCA STATUS: ON TSCA INVENTORY. CERCLA:  
NONE.

State Regulatory Information:AMMONIUM THIOSUFATE, 10-15%, PENNSYLVANIA  
HAZARDOUS SUBSTANCE LIST. PENNSYLVANIA ENVIRONMENTAL HAZARDOUS  
SUBSTANCE LIST, MASSACHUSETTS HAZARDOUS LIST, NEW JERSEY HAZARDOUS  
SUBSTANCE LIST. WATER, 80-85 %, PENNSYLVANIA NON-HAZARDOUS PRESENT  
AT 3% OR GREATER, NEW JERSEY O

OTHER - INCLUDED IN 5 PREDOMINANT  
INGREDIENTS >1%. SODIUM SULFITE, 1-5%, PENNSYLVANIA NON-HAZARDOUS  
PRESENT AT 3% OR GREATER, NEW JERSEY OTHER - INCLUDED IN 5  
PREDOMINANT INGREDIENTS >1%. SODIUM ACETATE, 1-5%, PENNSYLVANIA  
NON-HAZARDOUS PRESENT AT 3% OR GREATER, NEW JERSEY OTHER -  
INCLUDED IN 5 PREDOMINANT INGREDIENTS >1%.

===== Other Information =====

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ation 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.