

AGFA CORPORATION -- G-135 INDUSTRIAL X-RAY DEVELOPER/REPLENISHER PART B --  
6750-01-461-5235

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

Product ID:G-135 INDUSTRIAL X-RAY DEVELOPER/REPLENISHER PART B

MSDS Date:04/05/2000

FSC:6750

NIIN:01-461-5235

Status Code:A

Kit Part:Y

MSDS Number: CLQFQ

=== Responsible Party ===

Company Name:AGFA CORPORATION

Address:100 CHALLENGER RD

City:RIDGFIELD PARK

State:NJ

ZIP:07

660

Country:US

Info Phone Num:201-440-2500

Emergency Phone Num:(303) 623-5716 HEALTH

Resp. Party Other MSDS Num.:33443

Preparer's Name:S. VAN VOLKENBURG

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

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

Ingred Name:ACETIC ACID

CAS:64-19-7

RTECS #:AF1225000

Min

umum % Wt:60.  
Maxumum % Wt:65.  
OSHA PEL:25 MG/M3;10 PPM  
ACGIH TLV:25 MG/M3;10 PPM  
ACGIH STEL:37 MG/M3;15 PPM  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:DIETHYLENE GLYCOL  
CAS:111-46-6  
RTECS #:ID5950000  
Minumum % Wt:25.  
Maxumum % Wt:30.

Ingred Name:1-PHENYL-3-PYRAZOLIDONE  
CAS:92-43-3  
RTECS #:UQ8750000  
Minumum % Wt:5.  
Maxumum % Wt:10.

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

Reports of Carcinogenicit

y:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE INHALATION: CAN CAUSE IRRITATION

TO THE RESPIRATORY TRACT. SKIN CONTACT: CORROSIVE TO THE SKIN.

EYES:CORROSIVE, MAY CAUSE IRRITATION AND BURNS. INGESTION: HARMFUL,

MAY CAUSE SEVERE INJURY, LIVER AND KIDNEY FAILURE. CHRONIC SKIN

CONTACT: MAY CAUSE AN ALLERGIC REACTION.

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

Effects of Over

exposure:ACUTE INHALATION: OVEREXPOSURE TO ACETIC ACID

VAPORS CAN CAUSE IRRITATION TO THE RESPIRATORY TRACT RESULTING IN

COUGHING, RUNNY NOSE AND SORE THROAT. INHALATION OF DIETHYLENE

GLYCOL VAPORS IS UNLIKELY DUE TO ITS TEMPERATURES, HIGH

CONCENTRATIONS OF DIETHYLENE GLYCOL CAN PRODUCE DROWSINESS,

HEADACHE, DIZZINESS, AND NAUSEA. ACUTE SKIN CONTACT: DIRECT CONTACT

WITH ACETIC ACID IS CORROSIVE TO THE SKIN WITH SYMPTOMS OF

BURNING, REDDENING, ITCHING, AND SWELLING.

SKIN SENSITIZATION WITH

ACETIC ACID IS RARE, BUT HAS BEEN REPORTED. CHRONIC SKIN CONTACT: REPEATED OR PROLONGED CONTACT TO 1-PHENYL-3-PYRAZOLIDONE MAY CAUSE AN ALLERGIC REACTION

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: EYE: IMMEDIATELY FLUSH WITH PLENTY OF RUNNING WATER FOR AT

LEAST 15 MINUTES. OBTAIN MEDICAL ATTENTION. SKIN: FLUSH AFFECTED AREAS PROMPTLY WITH WATER FOR 15 MINUTES. REMOVE CONTAMINATED CLOTHING, IN CASE OF CONTINUED IRRITATION CONSULT PHYSICIAN. 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.

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Fire Fighting Measures  
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Flash Point: >93.3C, 200.F

Extinguishing Media: WATER, CARBON DIOXIDE, DRY CHEMICAL, FOAM.

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

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Accidental Release Measures  
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Spill Release Procedures: USE APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT DURING CLEAN UP. DIKE SPILL. PREVENT LIQUID FROM ENTERING SEWERS, WATERWAYS, OR LOW AREAS. SOAK UP WITH SAWDUST, SAND, OIL DRY OR

OTHER ABSORBENT MATERIAL. SPILL MAY BE NEUTRALIZED WITH POWDERED SODIUM CARBONATE.

Neutralizing Agent: SPILL MAY BE NEUTRALIZED WITH POWDERED SODIUM CARBONATE.

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Handling and Storage  
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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.

Other Precautions: DO NOT STOR

E WITH INCOMPATIBLE MATERIALS. DO NOT STORE OR CONSUME FOOD, DRINK OR TOBACCO IN AREA WHERE THEY MAY BECOME CONTAMINATED WITH THIS MATERIAL. KEEP OUT OF REACH OF CHILDREN.

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

Respiratory Protection:WORKPLACE AMBIENT CONCENTRATIONS SHOULD BE MONITORED AND IF RECOMMENDED EXPOSURE LIMITS ARE EXCEEDED A NIOSH/MSHA APPROVED RESPIRATOR SHOULD BE WORN. IF RESPIRATORS ARE USED, INSTITUTE A PROGRAM IN ACCORDANCE WITH OSHA STANDARD 29 CFR1010.134.

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

Protective Gloves:USE CHEMICAL RESISTANT GLOVES.

Eye Protection: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  
PART B OF A 4 PART MSDS, SAME NSN.

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

HCC:C2

Spec Gravity:APPROX. 1.09

pH:APPROX. 2

Solubility in Water:SOLUBLE

Appearance and Odor:CLEAR, COLORLESS LIQUID; VINEGAR ODOR.

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

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

Stability Condition to Avoid:NONE KNOWN.

Hazardous Decom

position Products:IN CASE OF FIRE OXIDES OF CO2, CARBON MONOXIDE AND OTHER POTENTIALLY TOXIC FUMES CAN BE GENERATED DUE TO THERMAL DECOMPOSITION.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Toxicological Information:ACETIC AICD: ORAL RAT LD50 = 3310 MG/KG, DERMAL D50 (RABBIT) = 1060 MG/KG, INHALATION LC50 RABBIT = 5620 PPM/1 HR. EYE AND SKIN EFFECTS: CORROSIVE.

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

Ecological:NO INFO AVAILABLE.

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

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:PSN: ACETIC ACID SOLUTION, 8, UN2790, II. LABEL: CORROSIVE.

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

SARA Title III Information:CERCLA RQ: 5,000 LBS FOR ACETIC ACID.SEC 302 EHS: NONE. SEC 311/312 HAZARD CATEGORIES: IMMEDIATE HEALTH HAZARD. SEC 313 TOXIC CHEMICALS: NONE. RCRA STATUS: WHEN DISCARDED IN ITS PURCHASED FORM, THIS PRODUCT MEETS THE CRITERIA OF CORROSOVITY, AND SHOULD BE MANAGED AS A HAZARDOUS WASTE ( EPA HAZ WASTE # D002).

Federal Regulatory Information:OSHA STATUS: THIS PRODUCT IS HAZARDOUS UNDER THE CRITERIA OF THE FEDERAL OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200. TSCA INVENTORY STATUS: THIS MATERIAL IS LISTED ON THE TSCA INVENTORY.

State Regulatory Information:INGREDIENTS ARE LISTED ON THE FOLLOWING STATES: MA, NJ, PA.

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

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with this information by the compiling agencies):

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