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AGFA CORPORATION -- G-135 INDUSTRIAL X-RAY DEVELOPER/REPLENISHER WORKING STRENGT -- 6750-01-461-5235

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

Product ID:G-135 INDUSTRIAL X-RAY DEVELOPER/REPLENISHER WORKING STRENGT

MSDS Date:03/24/2000

FSC:6750

NIIN:01-461-5235

Status Code:A

Kit Part:Y

MSDS Number: CLQHF === Responsible Party ===

Company Name: AGFA CORPORATION

Address:100 CHALLENGER RD

City:RIDGEFIELD PA

RK

State:NJ ZIP:07660 Country:US

Info Phone Num:201-440-2500

Emergency Phone Num: (303) 623-5716 HEALTH

Resp. Party Other MSDS Num.:33428 Preparer's Name:S. VAN VOLKENBURG Chemtrec Ind/Phone:(800)424-9300

CAGE:1MVW0

=== Contractor Identification ===

Company Name: AGFA CORPORATION

Address:100 CHALLENGER RD Box:City:RIDGEFIELD PARK

State:NJ ZIP:07660 Country:US

Phone:201-440-2500

CAGE:1MVW0

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

Ingred Name: POTASSIUM GLUTARALDEHYDE BI

SULFITE (1,5-PENTANEDISULFONIC ACID, 1,5-DIHYDROXY-, DIPOTASSIUM SALT) CAS:68310-08-7 Minumum % Wt:1.

Maxumum % Wt:5.

Ingred Name: POTASSIUM SULFITE

CAS:10117-38-1 Minumum % Wt:5. Maxumum % Wt:10.

Ingred Name: HYDROQUINONE

CAS:123-31-9

RTECS #:MX3500000

Minumum % Wt:1.

Maxumum % Wt:5.

OSHA PEL:2 MG/M3

ACGIH TLV:2 MG/M3

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

Ingred Name: SODIUM TETRABORATE

CAS:1303-96-4

RTECS #:VZ2275000

Minumum % Wt:1.

Maxumum % Wt:5.

ACGIH TLV:5 MG/M3

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE: EXPOSURE MAY CAUSE EYE, SKIN & RESPIRATORY TRACT IRRITATION. MAY CAUSE ALLERGIC SKIN REACTION. INGESTION MAY BE HARMFUL AND CAUSE IRRITATION OF GI TRACT. SULFITE SENSITIVE PERSONS MAY SUFFER AL LERGIC REACTION. CHRONIC: PROLONGED/ REPEATED EXPOSURE MAY CAUSE SKIN SENSITIZATION/ DERMATI

TIS, ANEMIA, INTOLERANCE TO LIGHT, CORNEAL PIGMENTATION, SOME ASTHMATICS AND SULFITE SENSITIVE PERSONS MAY S UFFER ALLERGIC REACTIONS.

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

Effects of Overexposure:ACUTE INHALATION: MAY CAUSE IRRITATION WITH SYMPTOMS OF COUGHING, SORE THROAT, AND RUNNY NOSE. CHRONIC INHALATION: SULFITES MAY CAUSE AN ALLERGIC REACTION IN SOME ASTHMATICS AND SULFITE S

ENSITIVE IN DIVIDUALS. POSSIBLE SYMPTOMS
INCLUDE BRONCHOCONSTRICTION, SWEATING, FLUSHING, HIVES, RAPID HEART
RATE, DECREASED BLOOD PRESSURE, AND ANAPHYLAXIS. PROLONGED
INHALATION MAY CAUSE SKIN ERUPTIONS. ACUTE S KIN CONTACT: MAY BE
IRRITATING TO THE SKIN WITH SYMPTOMS OF REDDENING AND ITCHING.
INGESTION: NAUSEA, VOMITING, DROWSINESS, STOMACHACHE.

Medical Cond Aggravated by Exposure: PERSONS WITH PREEXISTING EYE OR SKIN CONDITIONS OR IMPAIRED PULMONARY FUNCTION MAY BE MORE

SUSCEPTIBLE TO THE EFFECTS OF THIS PRODUCT.

	First Aid Measures	
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First Aid:EYE: IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. CALL A PHYSICIAN. SKIN: REMOVE CONTAMINATED CLOTHING, IMMEDIATELY WASH SKIN WITH PLENTY OF WATER. WASH CLOTHING BEFORE REUSE. CALL A PHYSICIAN IF IRRITATION PERSISTS. INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT,

GIVE OXYGEN. CALL A PHYSICIAN.
INGESTION: DRINK 1-2 GLASSES OF WATER. NEVER GIVE ANYTHING BY
MOUTH TO AN UNCONSCIOUS PERSON. SEEK MEDICAL ATTENTION. TAKE THIS
MSDS TO 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 R

EMOVED AND UPWIND OF FIRE. WEAR SELF-CONTAINED BREATHING APPARATUS.

=============	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 CITRIC ACID.

Neutralizing Agent: SPILL MAY BE NEUTRALIZED WITH POWDERED CITRI

C ACID.
============ 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 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 29CFR1010.134.  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 Prot ection:EYE GLASSES WITH SIDE SHIELDS OR GOGGLES
Other Protective Equipment:EMERGENCY SHOWERS AND EYE WASH STATIONS SHOULD BE MADE AVAILABLE. EDUCATE AND TRAIN EMPLOYEES IN THE SAFE USE AND HANDLING OF THIS PRODUCT. FOR SKIN PROTECTION USE CHEMICAL RESISTANT APRONS.  Supplemental Safety and Health PART A OF A 4 PART KIT, SAME NSN.
========= Physical/Chemical Properties ==========
HCC:B3 Boiling Pt:=100.C, 212.F B.P. Text:APPROX. Melt/Freeze Pt:=0.C, 32.F M.P/F.P Te xt:APPROX. Spec Gravity:APPROX. 1.09 pH:10 -10.4 Solubility in Water:SOLUBLE Appearance and Odor:CLEAR LIGHT YELLOW LIQUID; ODORLESS

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

Stability Indicator/Materials to Avoid:YES STRONG ACIDS, OXIDIZERS. Stability Condition to Avoid: NONE KNOWN.

Hazardous Decomposition Products: IN CASE OF FIRE, OXIDES OF SULFUR, CO2, CARBON MONOXIDE AND OTHER POTENTIALLY TOXIC FUMES. Conditions to Avoid Polymerization: WILL NOT OCCUR.

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======= Toxicological Information ============
Toxicological Information:HYDROQUINONE: LD50 ORAL RAT = 320 MG/KG, SKIN  EFFECTS: 2% - MILD (HUMAN), 5% - SEVERE (HUMAN). ORAL LDL0 (HUMAN)  = 29 MG/KG. CHRONIC TOXICITY: ADVERSE KIDNAY EFFECTS HAVE BEEN
OBSERVED PRIMARILY IN O NE STRAIN OF MALE RAT (F-344) FOLLOWING CHRONIC ADMINISTRATION OF ORAL DOSES. CARCINOGENICITY: FORMATION OF BENIGN KIDNEY TUMORS OCCURRED ONLY AFTER NEPHROPATHY DEVELOPED AND
ONLY IN ONE ST  RAIN OF MAL E RATS. MUTAGENICITY: AMES TEST WAS  NEGATIVE. DEVELOPMENTAL TOXICITY:HAS NOT CAUSED BIRTH DEFECTS.  REPRODUCTIVE EFFECTS: HAS NOT CAUSED REPRODUCTIVE EFFECTS IN MALE
AND FEMALE ANIMALS.

ERMITTED
TREATMENT SYSTEM. REMOVE NONUSABLE SOLID MATERIAL AND/OR
CONTAMINATED SOIL, FOR DISPOSAL IN AN APPR OVED AND PERMITTED
LANDFILL. DISCHARGE TO SEWER MAY REQUIRE APPROVAL OF PERMITTING
AUTHORITY AND MAY REQUIRE PRETREATMENT.

SARA Title III Information:SEC 302 EHS: H YDROQUINONE 5-10%. SEC 311/312

HAZ CATEGORIES: IMMEDIATE AND DELAYED HEALTH HAZARDS. SEC 313 TOXIC CHEMICALS: HYDROQUINONE 5-10%. RCRA STATUS: IF RELEASED IN ITS PURCHASED FORM, THIS PROD UCT WOULD NOT BE A HAZARDOUS WASTE EITHER BY LISTING OR BY CHARACTERISTICS.

Federal Regulatory Information:TSCA INVENTORY STATUS: IS LISTED ON THE TSCA INVENTORY. OSHA STATUS: THIS PRODUCT IS HAZARDOUS UNDER THE CRITERIA OF THE FEDERAL OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1

200.
State Regulatory Information: INGREDIENTS ARE LISTED BY THE FOLLOWING

STATES: NJ, PA, MA.

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