MATERIAL SAFETY DATA SHEET

AGFA CORPORATION
100 Challenger Road
Ridgefield Park, NJ 07660

TRANSPORTATION EMERGENCY
CALL CHEMTREC: 800-424-9300
INTERNATIONAL: 703-527-3887

NON-TRANSPORTATION
HEALTH EMERGENCY PHONE: (303) 623-5716
AGFA INFORMATION PHONE: (201) 440-2500

1. CHEMICAL PRODUCT IDENTIFICATION:

PRODUCT NAME: CP-296B Copyproof Activator
PRODUCT CODE: ABC Code: FQB000, S9NPT000, H25FS000, FQBUM000, FQBY000, FQBV000, F9PYS000
CHEMICAL FAMILY: Aqueous Alkaline Solution
BUSINESS GROUP: Graphic Systems
AGFA MSDS NUMBER: 452

2. COMPOSITION/INFORMATION ON INGREDIENTS:

<table>
<thead>
<tr>
<th>INGREDIENT NAME</th>
<th>CAS NUMBER</th>
<th>EXPOSURE LIMITS</th>
<th>CONCENTRATION (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Sulfite</td>
<td>7757-83-7</td>
<td>OSHA: Not Established</td>
<td>1-5 %</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ACGIH: Not Established</td>
<td></td>
</tr>
<tr>
<td>N,N-Dimethylethanolamine</td>
<td>108-01-0</td>
<td>OSHA: Not Established</td>
<td>1-5 %</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ACGIH: Not Established</td>
<td></td>
</tr>
<tr>
<td>N-Methyldiethanolamine</td>
<td>105-59-9</td>
<td>OSHA: Not Established</td>
<td>1-5 %</td>
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<tr>
<td></td>
<td></td>
<td>ACGIH: Not Established</td>
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<td>Sodium Thiosulfate</td>
<td>7772-98-7</td>
<td>OSHA: Not Established</td>
<td>1-5 %</td>
</tr>
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<td></td>
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<td></td>
</tr>
</tbody>
</table>

Product: CP-296B Copyproof Activator
Approval date: 07/14/1998

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3. HAZARDS IDENTIFICATION:

************************************************************
* EMERGENCY OVERVIEW *
* *
* WARNING! Color: Colorless; Form: Liquid; Odor: Slight *
* fish-like odor; May cause respiratory tract irritation; May *
* cause allergic respiratory reaction; Inhalation may cause *
* nausea or dizziness; Causes skin irritation; May cause *
* allergic skin reaction; Causes eye irritation; Irritating *
* gases/fumes may be given off during burning or thermal *
* decomposition. *
************************************************************

POTENTIAL HEALTH EFFECTS:

ROUTE(S) OF ENTRY................: Eye Contact; Skin Contact; Inhalation; Ingestion

HUMAN EFFECTS AND SYMPTOMS OF OVEREXPOSURE:

ACUTE INHALATION.............: The sodium sulfite, sodium thiosulfate, n,n-dimethylethanolamine and n-methylidethanolamine in this product are expected to be irritating to the respiratory tract with symptoms of coughing, sore throat, and runny nose. Sodium sulfite and n,n-dimethylethanolamine may cause an allergic reaction in some asthmatics and previously exposed individuals. Possible symptoms include bronchoconstriction, sweating, flushing, hives, rapid heart rate, decreased blood pressure, and anaphylaxis. In addition, inhalation of n,n-dimethylethanolamine may cause headache, nausea, and vomiting.

CHRONIC INHALATION.........: Persons who have been previously sensitized to the above mentioned materials should take precautions to prevent the inhalation of this product.

ACUTE SKIN CONTACT..........: Sodium sulfite, sodium thiosulfate, n,n-dimethylethanolamine, and n-methylidethanolamine can be irritating to the skin with symptoms of reddening, itching, and swelling. N,N-dimethylethanolamine may cause skin sensitization with symptoms of rash, itching, hives, and swelling.

CHRONIC SKIN CONTACT.......: Sensitization with dermatitis or hives may occur.

ACUTE EYE CONTACT.........: Sodium sulfite, sodium thiosulfate, n,n-dimethylethanolamine, and n-methylidethanolamine can be irritating to the eyes with symptoms of tearing, stinging, reddening, and swelling.

CHRONIC EYE CONTACT.......: None known.

ACUTE INGESTION............: Ingestion of this product may cause gastrointestinal irritation.

CHRONIC INGESTION.........: None known.

CARCINOGENICITY............: The components of this product are not listed by NTP, IARC or regulated as a carcinogen by OSHA.

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3. HAZARDS IDENTIFICATION (Continued)

MEDICAL CONDITIONS
AGgravated by exposure.......: Persons with preexisting eye or skin conditions
or impaired pulmonary function may be more susceptible to the effects of
this product.

4. FIRST AID MEASURES:

FIRST AID FOR EYES.......: In case of contact, immediately flush eyes with
plenty of water for at least 15 minutes. Call a physician.
FIRST AID FOR SKIN.......: In case of contact, remove contaminated clothing,
immediately wash skin with plenty of water. Wash clothing before reuse.
Call a physician if irritation persists.
FIRST AID FOR INHALATION: If inhaled, remove to fresh air. If not breathing,
give artificial respiration. If breathing is difficult, give oxygen. Call
a physician.
FIRST AID FOR INGESTION.: Drink 1-2 glasses of water. Never give anything by
mouth to an unconscious person. Seek medical attention. Take this MSDS to
physician.

5. FIRE FIGHTING MEASURES:

FIRE POINT....................: Noncombustible
EXTINGUISHING MEDIA........: Material is not combustible. Use
extinguishing media suitable for other
combustible materials in the area.
SPECIAL FIRE FIGHTING PROCEDURES: Evacuate personnel to a safe area. Keep
personnel removed and upwind of fire. Wear self-contained breathing
apparatus.
UNUSUAL FIRE / EXPLOSION HAZARDS: When heated to decomposition emission of
toxic fumes of SO2 is possible.

6. ACCIDENTAL RELEASE MEASURES:

SPILL OR LEAK 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.

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7. HANDLING AND STORAGE:

STORAGE TEMPERATURE (MIN/MAX): Store between 40 F (4.4 C) and 80 F (26 C).
Preferred storage is at 68 F (20 C).
SHELF LIFE: N.A.
SPECIAL SENSITIVITY: Keep from freezing.
HANDLING/STORAGE PRECAUTIONS: Avoid eye and skin contact, and store in
well-ventilated area. Keep container tightly closed. Do not store with
incompatible materials. Do not store or consume food, drink or tobacco in
area where they may become contaminated with this material.
OTHER NOTES: Keep out of the reach of children.

8. PERSONAL PROTECTION:

PROTECTIVE CLOTHING REQUIREMENTS: Splash protection required for eyes, e.g.,
eye glasses with side shields or goggles. For skin protection use chemical
resistant gloves and aprons.
VENTILATION REQUIREMENTS: Use sufficient general room ventilation
and/or local exhaust to maintain airborne levels of vapors below applicable
exposure limits (see Section 2).
RESPIRATOR REQUIREMENTS: Under normal conditions of use, respirator
protection is not required. If respirators are used, institute a program
in accordance with OSHA standard 29CFR190.134.
ADDITIONAL PROTECTIVE MEASURES: Emergency showers and eye wash stations
should be made available. Educate and train employees in the safe use and
handling of this product.

9. PHYSICAL AND CHEMICAL PROPERTIES:

PHYSICAL FORM: Liquid
COLOR: Colorless
ODOR: Slight fish-like odor
pH: Approx. 11.5
BOILING POINT: Greater than 212 F (100 C)
MELTING/FREEZING POINT: Less than 32 F (0 C)
SOLUBILITY IN WATER: Soluble
SPECIFIC GRAVITY: Approx. 1.05
BULK DENSITY: Not Applicable
VAPOR PRESSURE: Not Established

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10. STABILITY AND REACTIVITY:

STABILITY..............: This is a stable material.
HAZARDOUS POLYMERIZATION....: Will not occur.
INCOMPATIBILITIES.........: Strong acids, oxidizers
INSTABILITY CONDITIONS.....: None known.
DECOMPOSITION PRODUCTS.....: In case of fire, oxides of sulfur, CO2, carbon monoxide and other potentially toxic fumes.

11. TOXICOLOGICAL INFORMATION:

NO ANIMAL TOXICITY INFORMATION AVAILABLE

12. ECOLOGICAL INFORMATION:

NO ECOLOGICAL INFORMATION AVAILABLE

13. DISPOSAL CONSIDERATIONS

SITE DISPOSAL METHOD.......: 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.

14. TRANSPORTATION INFORMATION:

TECHNICAL SHIPPING NAME.....: Aqueous Alkaline Solution
PRODUCT LABEL................: CP-296B Copyproof Activator

DOT (DOMESTIC SURFACE)

HAZARD CLASS OR DIVISION.....: Non-Regulated

IMO / IMDG CODE (OCEAN)

HAZARD CLASS DIVISION NUMBER....: Non-Regulated
14. TRANSPORTATION INFORMATION (Continued)

IMO / IMDG CODE (continued)

ICAO / IATA (AIR)

HAZARD CLASS DIVISION NUMBER...: Non-Regulated

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15. REGULATORY INFORMATION:

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OSHA STATUS.................: This product is hazardous under the criteria of
                              the Federal OSHA Hazard Communication Standard 29

TSCE STATUS.................: On TSCA Inventory

CERCLA REPORTABLE QUANTITY..: None

SARA TITLE III:

SECTION 302 EXTREMELY
HAZARDOUS SUBSTANCES...: None

SECTION 311/312
HAZARD CATEGORIES......: Immediate Health Hazard

SECTION 313
TOXIC CHEMICALS...........: None

RCRA STATUS.................: If discarded in its purchased form, this product
                              would not be a hazardous waste either by listing
                              or by characteristic. However, under RCRA, it is
                              the responsibility of the product user to
                              determine at the time of disposal, whether a
                              material containing this product or derived from
                              the product should be classified as a hazardous
                              waste. (40 CFR 261.20-24)

The following chemicals are specifically listed by individual states; other
product specific health and safety data in other sections of the MSDS may also
be applicable for state requirements. For details on your regulatory
requirements you should contact the appropriate agency in your state.

<table>
<thead>
<tr>
<th>COMPONENT NAME /CAS NUMBER</th>
<th>CONCENTRATION</th>
<th>STATE CODE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water 7732-18-5</td>
<td>85-95 %</td>
<td>PA3, NJ4</td>
</tr>
<tr>
<td>Sodium Sulfite 7757-83-7</td>
<td>1-5 %</td>
<td>PA3, NJ4</td>
</tr>
<tr>
<td>N,N-Dimethylethanolamine 108-01-0</td>
<td>1-5 %</td>
<td>PA1, MA, NJ1</td>
</tr>
<tr>
<td>N-Methyldiethanolamine 105-59-9</td>
<td>1-5 %</td>
<td>PA3, NJ4</td>
</tr>
<tr>
<td>Sodium Thiosulfate 7772-98-7</td>
<td>1-5 %</td>
<td>PA3, NJ4</td>
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</tbody>
</table>

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15. REGULATORY INFORMATION (Continued)

MA = Massachusetts Hazardous Substance List
NJ = New Jersey Hazardous Substance List
NJ Other included in 5 predominant ingredients > 1%
PA = Pennsylvania Hazardous Substance List
PA3 = Pennsylvania Non-hazardous present at 3% or greater.

16. OTHER INFORMATION:

<table>
<thead>
<tr>
<th>HMIS RATINGS:</th>
<th>Health</th>
<th>Flammability</th>
<th>Reactivity</th>
<th>Personal Prot</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>B</td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

0=Minimal 1=Slight 2=Moderate 3=Serious 4=Severe
B=Safety Glasses, Gloves

Agfa's method of hazard communication is comprised of Product Labels and Material Safety Data Sheets. HMIS ratings are provided by Agfa as a customer service.

REASON FOR ISSUE: Update format
PREPARED BY: S. Van Volkenburg
APPROVED BY: H. W. Gventer
APPROVAL DATE: 07/14/1998
SUPERSEDES DATE: 08/01/1993
"SDS NUMBER: 34508

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