MATERIAL SAFETY DATA SHEET
AGFA CORPORATION
100 Challenger Road
Ridgefield Park, NJ 07660

TRANSPORTATION EMERGENCY
NON-TRANSPORTATION
CALL CHEMTREC: 800-424-9300 HEALTH EMERGENCY PHONE...: (303) 623-5716
INTERNATIONAL: 703-527-3887 AGFA INFORMATION PHONE...: (201) 440-2500

1. CHEMICAL PRODUCT IDENTIFICATION:

PRODUCT NAME........: Gevalith Rapid Fixer
PRODUCT CODE........: FSDA6001 FYZA6000 F95Z000
CHEMICAL FAMILY.....: Aqueous Photochemical Solution
BUSINESS GROUP......: Graphic Systems
AGFA MSDS NUMBER....: 055g.002

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>Ammonium Thiosulfate</td>
<td>7783-18-8</td>
<td>OSHA PEL: Not Established</td>
<td>45-50 %</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ACGIH TLV: Not Established</td>
<td></td>
</tr>
<tr>
<td>Sodium Sulfite</td>
<td>7757-83-7</td>
<td>OSHA PEL: Not Established</td>
<td>1- 5 %</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ACGIH TLV: Not Established</td>
<td></td>
</tr>
<tr>
<td>Sodium Tetraborate</td>
<td>1303-96-4</td>
<td>OSHA PEL: Not Established</td>
<td>1- 5 %</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ACGIH TLV: Not Established</td>
<td></td>
</tr>
</tbody>
</table>

*** HAZARDOUS INGREDIENTS *****

3. HAZARDS IDENTIFICATION:

This product as a whole has not been tested. This hazard information is for the individual ingredients.

****************** EMERGENCY OVERVIEW ******************
* WARNING! Color: Colorless; Form: Liquid; Clear; Odor: *
* Slight sulfur dioxide; May cause eye, skin, and respiratory *
* tract irritation; May cause allergic respiratory reaction; *
* May cause allergic skin reaction; Irritating gases/fumes may *
* be given off during burning or thermal decomposition. *

POTENTIAL HEALTH EFFECTS:
ROUTES OF ENTRY................: Eye and skin contact, inhalation of vapors or mists, accidental ingestion.

HUMAN EFFECTS AND SYMPTOMS OF OVEREXPOSURE:
ACUTE INHALATION.............: The ammonium thiosulfite, sodium sulfite, and sodium tetraborate in this product are expected to be irritating to the respiratory tract with symptoms of coughing, sore throat, and runny nose. Potassium sulfite may cause an allergic reaction in some asthmatics and sulfite sensitive individuals. Possible symptoms include bronchoconstriction, sweating, flushing, hives, rapid heart rate, decreased blood pressure, and anaphylaxis.
ACUTE SKIN CONTACT..........: Ammonium thiosulfate, sodium sulfite, and sodium tetraborate may be irritating to the skin with symptoms of reddening and itching.
CHRONIC SKIN CONTACT.........: Repeated or prolonged contact to sulfites may cause an allergic skin reaction in sensitive individuals.
ACUTE EYE CONTACT............: Ammonium thiosulfate, sodium sulfite, and sodium tetraborate may be irritating to the eyes with symptoms of reddening, tearing, and stinging.
ACUTE INGESTION...............: Ingestion of sodium sulfite and ammonium thiosulfate 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.

MEDICAL CONDITIONS
AGGRAVATED BY EXPOSURE......: Persons with preexisting eye, skin or respiratory tract disorders 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.......: Flush affected areas promptly with water and soap for 15 minutes. Remove contaminated clothing. In case of continued irritation consult physician.
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.: If swallowed, rinse mouth with plenty of water, call a Physician.

5. FIRE FIGHTING MEASURES:

FLASH 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. Cool containers with water spray.
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. For disposal see section 13.

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. For incompatibles see section 10.
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, e.g. made of neoprene, rubber or vinyl.

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 29CFR1010.134.

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
APPEARANCE................: Clear
COLOR...................: Colorless
ODOR....................: Slight sulfur dioxide
pH ....................: 5.2
BOILING POINT..........: Approx. 212 F (100 C)
MELTING/FREEZING POINT..: Not Established
SOLUBILITY IN WATER ......: Soluble
SPECIFIC GRAVITY .......: 1.36
BULK DENSITY...........: Not Applicable
VAPOR PRESSURE ..........: Not Established

10. STABILITY AND REACTIVITY:

STABILITY................: This is a stable material.
HAZARDOUS POLYMERIZATION.: Will not occur.
INCOMPATIBILITIES.........: Strong alkali, strong acids, oxidizers
INSTABILITY CONDITIONS.: None Known
DECOMPOSITION PRODUCTS.: Oxides of sulfur, CO2, carbon monoxide, ammonia

11. TOXICOLOGICAL INFORMATION:

NO ANIMAL TOXICITY INFORMATION AVAILABLE

12. ECOLOGICAL INFORMATION:

NO ECOLOGICAL INFORMATION AVAILABLE

13. DISPOSAL CONSIDERATIONS

WASTE 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 Photochemical Solution
PRODUCT LABEL.................: Gevalith Rapid Fixer

DOT (DOMESTIC SURFACE)
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HAZARD CLASS OR DIVISION ....: Non-Regulated

IMO / IMDG CODE (OCEAN)
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HAZARD CLASS DIVISION NUMBER.: Non-Regulated
HAZARD CLASS DIVISION NUMBER...: Non-Regulated

15. 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 REPORTABLE QUANTITY.: None

SARA TITLE III:
SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES.: None
SECTION 311/312 HAZARD CATEGORIES......: Immediate Health Hazard

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 the 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>Ammonium Thiosulfate 7783-18-8</td>
<td>45-50 %</td>
<td>PA1, PA4, MA, NJ1</td>
</tr>
<tr>
<td>Water 7732-18-5</td>
<td>35-40 %</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>Sodium Acetate 127-09-3</td>
<td>1-5%</td>
<td>PA3, NJ4</td>
</tr>
<tr>
<td>Sodium Tetraborate 1303-96-4</td>
<td>1-5 %</td>
<td>PA3, NJ4</td>
</tr>
</tbody>
</table>

MA = Massachusetts Hazardous Substance List
NJ1 = New Jersey Hazardous Substance List
NJ4 = New Jersey Other - included in 5 predominant ingredients > 1%
PA1 = Pennsylvania Hazardous Substance List
PA3 = Pennsylvania Non-hazardous present at 3% or greater.
PA4 = Pennsylvania Environmental Hazardous Substance List.

16. OTHER INFORMATION:

HMIS RATINGS: Health Flammability Reactivity Personal Prot
2 0 0 B
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.........: Reviewed, Harmonized
PREPARED BY...............: R. Ruppel-Kerr
APPROVED BY...............: M. Patrick
APPROVAL DATE.............: 04/13/2004
SUPERSEDES DATE...........: 09/30/2002
MSDS NUMBER...............: 35004

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