#1 Network, Inc.
Material Safety Data Sheet
New Century A52 Activator

1 - PRODUCT IDENTIFICATION AND USE

Product Identifier:	**New Century A52 Activator**	**Product Number (PIN)**	
Product Use:	Aqueous Photochemical solution		
Manufacturer's Name:	Agfa Corporation	**Supplier's Name:**	Graphic Distributors, Inc.
Street Address:	100 Challenger Road	**Street Address:**	25 Woodridge Drive
City:	Ridgefield Park	**City:**	Amherst
State:	New Jersey	**State:**	New York
Postal Code:	07660	**Postal Code:**	14228
Emergency Phone #:	800.636.1924		

2 - INGREDIENTS

Ingredients Name/CAS Number	Exposure Limits		Concentration (%)
Sodium Hydroxide/1310-73-2	OSHA:	2.00 mg/m3 Ceiling	1 - 5 %
	ACGIH:	2.00 mg/m3 Ceiling	
Sodium Sulfite/7757-83-7	OSHA:	Not Established	1 - 5 %
	ACGIH:	Not Established	
Aminoethylethanolamine/111-41-1	OSHA:	Not Established	1 - 5 %
	ACGIH:	Not Established	

3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

DANGER! Corrosive; Clear colorless odorless liquid. May cause eye, skin and respiratory tract burns. May cause allergic respiratory reaction. May cause allergic skin reaction. Causes digestive tract burns. Irritating gases/fumes may be given off during burning or thermal decomposition.

POTENTIAL HEALTH EFFECTS:

Routes of Entry: Eye contact; skin contact; inhalation, ingestion

HUMAN EFFECTS AND SYMPTONS OF OVEREXPOSURE:

Acute Inhalation: Potassium hydroxide solutions are corrosive and it's vapors are irritating to the mucous membranes of the respiratory tract. Inhalation of vapors results in coughing, choking, and inflammation of the resiratory tract. The irritating nature of these vapors is typically sufficient to cause a person to leave areas of excessive concentration. 250 mg/m3 is immediately dangerous to life or health. Aminoethylethanolamine is expected to be irriting and corrosive to the respiratory tract with symptons of coughing, sore throat, runny nose, and burning of the mucous membranes. Sodium sulfite may be irritating to the respiratory tract with symptoms of sore throat, coughing, and runny nose.

Chronic Inhalation: Prolonged exposure to high concentrations of potassium hydroxide may cause discomfort and ulceration of the nasal passages. Repeated or prolonged exposure to sulfites may cause an allergic respiratory reaction in previously exposed individuals.

HUMAN EFFECTS AND SYMPTONS OF OVEREXPOSURE (continued)

Acute Skin Contact: Direct contact with high concentrations of potassium hydroxide causes burns unless the product is washed off (alkali's penetrate the skin slowly). Aminoethylethanolamine is expected to be corrosive to the skin with symptoms of reddening, itching, swelling, and burns. Potassium sulfite may be irritation to the skin with symptoms of reddening and itching.

Chronic Skin Contact: Repeated contact with low concentrations of potassium hydroxide may cause skin drying and ulcerations. Repeated or prolonged contact to sulfites may cause an allergic reaction in sensitive individuals.

Acute Eye Contact: Potassium hydroxide solutions and aminoethylethanolamine are corrosive and are irritating to the mucous membranes of the eyes. Severe eye irritation will result from exposure to the solution. Initial symptoms may be discomfort, tearing, and/or blurring of vision. Permanent eye damage including blindness may result if there is a delay in flushing it from the person's eyes. Potassium sulfite may be irritating to the eyes with symptoms of reddening, tearing, and stinging.

Chronic Eye Contact: Repeated or prolonged exposure to potassium hydroxide may result in lacrimation and chronic conjunctivitis.

Acute Ingestion: If ingested, potassium hydroxide solutions and aminoethylethanolamine are corrosive to the tissues with which it comes in contact. Ingestion may cause burning pain in the mouth, throat, esophagus, and abdomen. Ingestion of potassium sulfite may cause gastrointestinal irritation.

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 the 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

Flash point: Noncumbustible
Extinguishing Media: Material is not combustible. Use extinguishing media suitable for other combustible materials in the area.
Special Fire Fighting: Evacuate personnel to a safe area. Keep personnel removed and upwind of fire. Wear self-contained breathing apparatus.
Unusal Fire/explosion Hazards: When heated to decomposition emission of toxic fumes of S02 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.

7 - HANDLING AND STORAGE

Avoid eye and skin contact and store in well-ventilated areas between 40 F (4.4 C) and 80 F (26 C). Keep from freezing and keep out of reach from children.

8 - PERSONAL PROTECTION

Gloves: Latex or Nitrile **Respirator:** No special equipment required **Eye:** Use splash goggles
Clothing: Neoprene apron **Other:** Eye wash station and emergency showers.
Footwear: No special requirements, but wear rubber boots for clean up of spills.

Ventilation Requirements: Use sufficient general room ventilation and/or local exhaust to maintain airborne levels of vapors below applicable exposure limits (see section 2)

9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical Form: Liquid **Apperance:** Clear **Color:** Colorless
Odor: Ordorless **pH:** Greater than 13 **Solubility in water:** Soluble
Specific Gravity: Approx 1.07 **Boiling point:** Greater than 212 F (100 C)
Bulk density: Not applicable **Melting/Freezing point:** Less than 32 F (0 C)
Vapor pressure: Not established

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 fires, 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

Waste Disposal Method: Recover nonusable free liquid and/or contaminated water, and dispose of in an approved and permitted trreatment 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 containing Potassium Hydroxide
Product Label: A52 Activator
Proper Shipping name: Potassium Hydroxide Solution
Hazard Class or Division: 8
UN/NA Number: UN1824
Packing Group: II
Hazard Label(s): Corrosive
Hazard Placards(s): Corrosive

15 - REGULATORY INFORMATION

OSHA Status: This product is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

TSCA Status: On TSCA Inventory

CERCLA Reportable Quantity: Potassium Hydroxide (CAS# 1310-73-2) - 1000 lbs.

SARA TITLE III: **Section 302 extremely hazardous substances:** None
Section 311/312 hazard catagories: Immediate health hazard
Section 313 toxic chemicals: None

RCRA Status: When discarded in it's purchased form, this product meets the criteria of Corrosivity, and should be managed as a hazardous waste (EPA Hazardous Waste Number D002). (40 CFR 261.20-24)

16 - OTHER INFORMATION

HMIS RATINGS

HEALTH - 3
FLAMMABILITY - 0
REACTIVITY - 0
PERSONAL PROTECTION - B

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

17 - PREPARATION DATE OF MSDS

Prepared by: Graphic Distributors, Inc.
Phone Number: 800-636-1924
Date: April 2, 2001