

## MATERIAL SAFETY DATA SHEET

### SECTION I - IDENTIFICATION

PRODUCT NAME: ~~CR-610B Copyrapid Offset Fixer~~  
 FORMULA: MCP-1307E1 (Revised)

MSDS # 11-2  
 DATE: 4/87  
 DIVISION: GSD-M

Emergency Telephone: (303) 623-5716 (Poison Center); (800) 424-9300 (Chemtrec)

### SECTION II - HAZARDOUS INGREDIENTS (TYPICAL VALUES-NOT SPECIFICATIONS)

Ingredients/Synonyms	CAS No.	PERCENTAGE	TLV (Units)
Sodium Polystyrene Sulfonate	9080-79-9	1 - 5%	---
Citric Acid	77-92-9	1 - 5%	---
Potassium Nitrate	7757-79-1	1 - 5%	---

### SECTION III - PHYSICAL DATA

BOILING POINT: 212°F  
 MELTING POINT: ---  
 VAPOR PRESSURE: ---  
 VAPOR DENSITY (AIR=1): ---  
 EVAPORATION RATE (n-butyl acetate=1): ---  
 VOLATILE FRACTION BY WEIGHT: None  
 SOLUBILITY IN WATER (BY WEIGHT %): 100%  
 SPECIFIC GRAVITY (H<sub>2</sub>O=1): 1.023  
 pH: 4.05  
 APPEARANCE & ODOR: Clear and yellow

RECEIVED  
 FILE \_\_\_\_\_ FOLLOW UP \_\_\_\_\_

JUN - 6 1988

REFERRED \_\_\_\_\_  
 NOTED \_\_\_\_\_  
 ANSWERED \_\_\_\_\_  
 J. KURTZ

### SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: None  
 FLAMMABLE LIMITS (% BY VOLUME IN AIR): Le1 N/A Ue1 N/A  
 EXTINGUISHING MEDIA: None  
 SPECIAL FIRE FIGHTING PROCEDURES: None  
 UNUSUAL FIRE AND EXPLOSION HAZARDS: None

### SECTION V - HEALTH HAZARD DATA

A. THRESHOLD LIMIT VALUE: See Section II

B. EXPOSURE EFFECTS:

Eye Contact: May cause irritation.  
Skin Contact: May cause irritation.  
Inhalation: Normally no problem.  
Ingestion: May cause irritation of the mucous membranes or digestive tract.

C. FIRST AID

Eyes: 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.  
Inhalation: Remove to fresh air if one has over-inhaled.  
Ingestion: Obtain immediate medical attention.

SECTION VI - REACTIVITY DATA

STABILITY:	Stable
INCOMPATIBILITY:	None
HAZARDOUS DECOMPOSITION PRODUCTS:	None
HAZARDOUS POLYMERIZATION:	Will not occur

SECTION VII - SPILL, LEAK, AND DISPOSAL PROCEDURES

Flush spill with large quantities of water (at least 20:1 dilution) if acceptable to local sewer authority. Otherwise, apply a suitable absorbent material and collect into an impervious container. Disposal should be made through a licensed chemical waste disposal service subject to federal, state, or local laws.

SECTION VIII - SPECIAL PROTECTION INFORMATION

A. RESPIRATORY PROTECTION:	No special equipment required.
B. VENTILATION:	
Local Exhaust:	Supply good ventilation.
Mechanical (General):	None
C. SKIN AND EYE PROTECTION:	Protective gloves, apron, and eye shields should be used.

SECTION IX - SPECIAL HANDLING AND STORAGE PRECAUTIONS

No special precautions required. Workers should always wear their special protection equipment.

SECTION X - HAZARD MATERIAL TRANSPORTATION

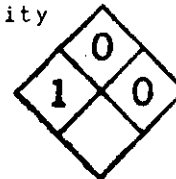
DOT: Non-regulated as a hazard material.

SECTION XI - HAZARD COMMUNICATION

4 = Extreme  
 3 = High  
 2 = Moderate  
 1 = Slight  
 0 = Insignificant  
 . = Chronic Health Hazard

Flammability

Health



Reactivity

Special

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## MATERIAL SAFETY DATA SHEET

Agfa Corporation  
100 Challenger Road  
Ridgefield Park, NJ 07660

NJ (201) 440-2500  
NY (212) 971-0260

### SECTION I—IDENTIFICATION

PRODUCT NAME: CR-610B COPYRAPID® Offset Fixer

MSDS: #11-4  
DATE: 10/88  
DIVISION: AGFA Compugraphic

FORMULA: MCP-1354E1 (Revised)

CHEMICAL FAMILY: Aqueous Acidic Solution

MEDICAL EMERGENCY TELEPHONE (Poison Center):

(303) 623-5716

TRANSPORTATION EMERGENCY TELEPHONE (Chemtrec):

(800) 424-9300

### SECTION II—HAZARDOUS COMPONENTS (Typical Values)

INGREDIENTS	CAS NO.	WT %	ACGIH (TLV)	OSHA (PEL)
Sodium Polystyrene Sulfonate	9080-79-9	1-5%	*NE	*NE
Citric Acid	77-92-9	1-5%	*NE	*NE
Potassium Nitrate	7757-79-1	1-5%	*NE	*NE

\*None Established

### SECTION III—PHYSICAL DATA

Boiling Point:	Approx. 221°F
Melting Point:	Not Applicable
Vapor Pressure:	Physical Properties Same as Water
Vapor Density (AIR = 1):	Physical Properties Same as Water
Evaporation Rate:	Physical Properties Same as Water
Volatile Fraction by Weight:	Physical Properties Same as Water
Solubility in Water (By Weight %):	100%
Specific Gravity (H <sub>2</sub> O = 1):	1.046
pH:	6.10
Appearance:	Clear and yellow
Odor:	None

### SECTION IV—FIRE AND EXPLOSION HAZARD DATA

FIRE AND EXPLOSION DATA:	Noncombustible
FIRE AND EXPLOSION HAZARDS:	None
EXTINGUISHING MEDIA:	Any applicable to primary cause of fire.
SPECIAL FIRE FIGHTING PROCEDURES:	Evacuate personnel to a safe area. Keep personnel removed and upwind of fire. Wear self-contained breathing apparatus.
UNUSUAL FIRE AND EXPLOSION HAZARDS:	When heated to decomposition, emits toxic fumes of SO <sub>2</sub> .

### SECTION V—HEALTH HAZARD DATA

- A. SARA—Title III Hazard Categories  
-Immediate: See Section V (Acute Exposure Effects)
- B. ACUTE EXPOSURE EFFECTS (NOTE: Pertains to Finished Product)
- Eye Contact: May cause irritation.
  - Skin Contact: May cause irritation.
  - Inhalation: Normally no problem, but inhalation of mist could cause respiratory irritation.
  - Ingestion: May cause irritation of the mucous membranes or digestive tract.
- C. FIRST AID (Applies to Finished Product)
- Eyes: 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: For overexposure, remove to fresh air.
  - Ingestion: Obtain immediate medical attention.

A Bayer USA Company

Cablegrams: AGFAGEVA RP Telex: 134410  
Fax: (201) 342-4742

- D. CHRONIC HEALTH EFFECTS (NOTE: Pertains to each ingredient listed in Section 2 per 29 CFR Sect. 1900.1200)  
A computerized literature search of national databases did not yield any chronic effects associated with these materials.

CARCINOGENICITY LISTING: NTP No IARC No OSHA No

**SECTION VI—REACTIVITY DATA**

STABILITY: Stable  
INCOMPATIBILITY: None  
HAZARDOUS DECOMPOSITION PRODUCTS: Oxides, CO<sub>2</sub>, carbon monoxide  
HAZARDOUS POLYMERIZATION: Will Not Occur

**SECTION VII—DISPOSAL INFORMATION****Spill, Leak, or Release**

NOTE: Review Section IV and Section VIII before proceeding with clean up. 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.

**Waste Disposal**

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 requires approval of permitting authority and may require pretreatment.

**SECTION VIII—SPECIAL PROTECTION INFORMATION**

- A. RESPIRATORY PROTECTION: None needed with working mixtures and normal room ventilation.  
B. VENTILATION: Room ventilation is sufficient. Avoid use of product in unventilated areas.  
C. SKIN AND EYE PROTECTION: Simple splash protection is suggested, e.g., eyeglasses with side shields. Chemical gloves and aprons are recommended.

**SECTION IX—STORAGE CONDITIONS**

Store in well ventilated area. Keep container tightly closed. Do not store with incompatible materials (see Section VI). Do not store or consume food, drink or tobacco in area where they may become contaminated with this material.

**SECTION X—HAZARDOUS TRANSPORTATION REGULATIONS**

NON REGULATED

**SECTION XI—HAZARD COMMUNICATION**

4 = Extreme	HEALTH	1
3 = High	FLAMMABILITY	0
2 = Moderate	REACTIVITY	0
1 = Slight	SPECIAL	
0 = Insignificant		

**SECTION XII—TSCA INFORMATION**

TSCA Listing: All ingredients in this finished product are listed on the EPA TSCA Inventory (see Section II).

**SECTION XIII—FEDERAL EPA-SARA TITLE III NOTIFICATION**

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires submission of annual reports of release of toxic chemicals that appear in 40 CFR 372 (FOR SARA 313).

Components present in this product at a level which could require reporting under the statute are:

\*\*\*NONE\*\*\*

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