



MATERIAL SAFETY DATA SHEET

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SECTION I—IDENTIFICATION

PRODUCT NAME: CR-1668 COPYRAPHID® Offset Developer
FORMULA: MCP-1334 (Revised)

CHEMICAL FAMILY: Aqueous Alkaline Solution
MEDICAL EMERGENCY TELEPHONE (Poison Center):
TRANSPORTATION EMERGENCY TELEPHONE (Chemtrec):

(303) 623-5716
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SECTION II—HAZARDOUS COMPONENTS (Typical Values)

INGREDIENTS	CAS NO.	WT %	ACGIH (TLV)	OSHA (PEL)
Sodium Hydroxide	1310-73-2	1-5%	2mg/m ³ Ceiling	2ppm
Hydroquinone	123-31-9	1-5%	2ppm	NE
Methylphenidone	2654-57-1	1-5%	NE	NE
Sodium Sulfite	7757-83-7	10-15%	NE	NE
* None Established				

SECTION III—PHYSICAL DATA

Boiling Point:
Melting Point:
Vapor Pressure:
Vapor Density (AIR = 1):
Evaporation Rate:
Volatile Fraction by Weight:
Solubility in Water (By Weight %):
Specific Gravity (H₂O = 1):
pH:
Appearance:
Odor:

Approx. 221°F
Not Applicable
Physical Properties Same as Water
Physical Properties Same as Water
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100%
1.142
> 13
Clear and light yellow liquid
None

SECTION IV—FIRE AND EXPLOSION HAZARD DATA

FIRE AND EXPLOSION DATA:
FIRE AND EXPLOSION HAZARDS:
EXTINGUISHING MEDIA:
SPECIAL FIRE FIGHTING PROCEDURES:
UNUSUAL FIRE AND EXPLOSION HAZARDS:

Noncombustible
None
Any applicable to primary cause of fire.
Evacuate personnel to a safe area. Keep personnel removed and upwind of fire. Wear self-contained breathing apparatus.
When heated to decomposition emission of toxic fumes of SO₂ is possible.

SECTION V—HEALTH HAZARD DATA

A. SARA—Title III Hazard Categories
-Immediate:
-Delayed:
See Section V (Acute Exposure Effects)
See Section V (Chronic Health Effects)
B. ACUTE EXPOSURE EFFECTS (NOTE: Pertains to Finished Product)
Eye Contact:
Skin Contact:
Inhalation:
Ingestion:
C. FIRST AID (Applies to Finished Product)
Eyes:
Skin:
Inhalation:
Ingestion:

May cause severe irritation and burning.
May cause severe irritation and burns; may cause allergic skin reaction.
Normally no problem, but inhalation of mist could cause respiratory irritation.
May cause severe irritation or burning of the mucous membranes or digestive tract.
Immediately flush with plenty of running water for at least 15 minutes. Obtain medical attention.
Flush affected areas promptly with water for 15 minutes. Remove contaminated clothing. In case of continued irritation consult physician.
For overexposure, remove to fresh air.
Obtain immediate medical attention.

D. CHRONIC HEALTH EFFECTS (NOTE: Pertains to each ingredient listed in Section 2 per 29 CFR Sect. 1900.1200)

Hydroquinone:
 Repeated contact can cause skin sensitization and allergic dermatitis. Chronic overexposure can cause anemia and discoloration and corneal opacity of the eyes.
 -Toxicity Data: Oral-Human LD50: 29mg/kg Oral-Rat LD50: 320mg/kg
Methyl Phenidone
 Contact with skin may cause slight irritation. Laboratory tests indicate the material is a skin sensitizer.
All Other Ingredients in Section II
 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: Strong acids, oxidizers
HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of sulfur, CO₂, 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 sand, oil dry or other absorbent material. Spill may be neutralized with powdered Citric Acid.
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

DOT DOMESTIC
 IMO/CAO: INTERNATIONAL
Hazard Class: Corrosive Material, Class 8
Proper Shipping Name: Corrosive Liquid, N.O.S.
UN Number: UN1760
Label: Corrosive

SECTION XI—HAZARD COMMUNICATION

4 = Extreme	HEALTH	2
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:

CHEMICAL	CAS NO.	UPPERBOUND CONCENTRATION-%
Sodium Hydroxide (solution)	1310-73-2	2
Hydroquinone	123-31-9	2

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