

MATERIAL SAFETY DATA SHEET (MSDS)

ETHOL LPD PAPER DEVELOPER
POWDER

SECTION I

EMERGENCY TELEPHONE NO.

TRADE NAME
(if None, Put Chemical) Ethol LPD Paper Developer Powder

(312) 539-8700 (DAY)

CHEMICAL NAME AND SYNONYMS NA

MANUFACTURER'S NAME AND TELEPHONE NO. Ethol Chemicals, Incorporated

(312) 539-8700

ADDRESS (Number, Street City, State, Zip Code) 5441 North Kedzie Avenue Chicago IL 60625

SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	%	TLV	PEL	UNITS
Sodium carbonate, monohydrate (CAS #5968-11-6)	45-55	NE	NE	MG/M3
Sodium sulfite (CAS #7757-83-7)	30-40	NE	NE	
Sodium bicarbonate (CAS #144-55-8)	<10	NE	NE	
Hydroquinone (CAS #123-31-9)	<10	2	2	
Potassium bromide (CAS #7758-02-3)	<5	NE	NE	
Non-hazardous ingredients*	<5			

*Unidentified ingredients are not considered hazardous under the Federal Hazard Communication Standard (29 CFR 1910.1200).

SECTION III - PHYSICAL DATA

BOILING POINT (°F)	NA	SPECIFIC GRAVITY (H₂O=1)	1.089
VAPOR PRESSURE (MM Hg.)	NA	PERCENT VOLATILE BY VOLUME (%)	NA
VAPOR DENSITY (AIR=1)	NA	pH (16% solution)	10.0
SOLUBILITY IN WATER	Appreciable	EVAPORATION RATE	NA
APPEARANCE AND ODOR Powder; odorless			

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used) NONE	FLAMMABLE LIMITS	LEL NA	UEL NA
EXTINGUISHING MEDIA Use media suitable for surrounding materials.			
SPECIAL FIRE FIGHTING PROCEDURES No special procedures required.			
UNUSUAL FIRE AND EXPLOSION HAZARDS None known.			

NA - Not Applicable

NE - Not Established

UN - Unavailable

SECTION V - HEALTH HAZARD INFORMATIONTLV
NE

SYMPTOMS/EFFECTS OF OVEREXPOSURE Inhalation of dust or mist may cause respiratory irritation. Skin irritation; may cause sensitization dermatitis. Eye contact causes irritation.

FIRST AID

EYES Immediately flush eyes with large amounts of water while holding the eyelids open. Get medical attention if irritation persists.

SKIN Wash thoroughly with soap and water. Get medical attention if irritation persists.

INHALATION Move victim to fresh air. Get medical help if irritation persists.

INGESTION Contact local poison control center or physician IMMEDIATELY!

SECTION VI - REACTIVITY DATA

STABILITY Normally Stable.

INCOMPATIBLE MATERIALS Acids

HAZARDOUS DECOMPOSITION PRODUCTS Sulfur dioxide, traces of Bromine

SECTION VII - SPILL OR LEAK PROCEDURES

PROCEDURES Wear personal protective equipment (See Section VIII). Carefully clean up spilled material and place in dry containers for disposal. Avoid dust generation.

WASTE DISPOSAL METHOD Dispose of in accordance with Local, State, and Federal regulations.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY Not normally required. If TLV is exceeded, or for symptoms of overexposure, wear a NIOSH-approved dust/mist respirator.

EYEWEAR If potential for eye contact exists, wear chemical goggles.

CLOTHING/GLOVES Wear neoprene or other chemical-resistant gloves.

VENTILATION Provide adequate general dilution ventilation.

SECTION IX - SPECIAL PRECAUTIONS

Store in closed container in a dry area.

APPROVAL

NAME

Lincoln J. Colleton

TITLE

CIH

May 16, 1986

DATE