

MATERIAL SAFETY DATA SHEET (MSDS)

ETHOL LPD PAPER DEVELOPER
LIQUID CONCENTRATE

SECTION I

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

EMERGENCY TELEPHONE NO.

(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 sulfite (CAS #7757-83-7)	<10	NE	NE	MG/M3
Sodium carbonate (CAS #5968-11-6)	<10	NE	NE	
Hydroquinone (CAS #123-31-9)	<5	2	2	
Non-hazardous ingredients*	>75			

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

SECTION III - PHYSICAL DATA

BOILING POINT (°F)	216	SPECIFIC GRAVITY (H ₂ O=1)	1.150
VAPOR PRESSURE (MM Hg.)	19	PERCENT VOLATILE BY VOLUME (%)	>80
VAPOR DENSITY (AIR=1)	<1	pH	10.0
SOLUBILITY IN WATER	Complete	EVAPORATION RATE (Ether = 1)	<1

APPEARANCE AND ODOR Clear to light yellow liquid; odorless

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used) NONE	FLAMMABLE LIMITS	LEL NA	UEL NA
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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 INFORMATION

SYMPTOMS/EFFECTS OF OVEREXPOSURE Inhalation of mist may cause respiratory irritation. Repeated or prolonged contact may lead to skin irritation and dermatitis. Chronic exposure may produce skin allergies in hypersensitive individuals. 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

SECTION VII - SPILL OR LEAK PROCEDURES

PROCEDURES Wear personal protective equipment (See Section VIII). Clean up with absorbant material.

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 Not normally required; in situations of extended skin contact, neoprene or other chemical resistant gloves are recommended.

VENTILATION Provide adequate general dilution ventilation.

SECTION IX - SPECIAL PRECAUTIONS

Store in closed container in a dark area. Keep from freezing.

APPROVAL

NAME

Lindsay J. Collette, CIH

TITLE

June 20, 1986

DATE