



MATERIAL SAFETY DATA SHEET
Edwal Litho-F Concentrate Black & White Litho Developer

SECTION I PRODUCT IDENTIFICATION

Trade Name: Edwal Litho-F Concentrate Black & White Litho Developer **Date:** 01/23/2006
Product Code(s): ED-LF-32
Manufacturer: Brandess/Kalt/Aetna
701 Corporate Woods Pkwy
Vernon Hills, IL 60061
847-821-4237
Emergency Phone # Chemtrec 800-424-9300
Product Form: Liquid Solution
Synonyms: None

SECTION II HAZARDOUS INGREDIENTS

Ingredients	CAS #	%
Sodium Sulfite	7757-83-7	<10%
Sodium Bromide	7631-90-5	<10%
Caustic Soda	1310-73-2	<10%
Sodium Carbonate	497-19-8	<10%
Hydroquinone	123-31-9	<5%
Metol	55-55-0	<5%

SECTION III PHYSICAL DATA

Boiling Point (°F)	>212°	Appearance and Odor	Clear, slightly yellow liquid, slight odor
Vapor Pressure (MM hg)	<18	Specific Gravity	1.19
Vapor Density (Air=1)	<1	Ph	10.9
Solubility In Water	Complete	Evaporation Rate (Ether =1)	1

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point – 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 & Explosion Hazards – None known.

SECTION V – HEALTH HAZARD INFORMATION

Symptoms and Effects of Overexposure – Inhalation of mist may cause respiratory irritation. Skin irritation. Chronic exposure may produce skin allergies in hypersensitive individuals. Eye contact is irritating and may cause damage.
Medical Conditions Aggravated by Exposure – None Known

First Aid

Eyes: Immediately flush eyes with large amounts of water for at least 15 minutes while holding the eyelids open. Get prompt medical attention.
Skin: Remove contaminated clothing; wash skin with plenty of water. If irritation persists, seek medical attention. Wash clothing before reuse.
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 – Strong acids.

Hazardous Decomposition Products – Traces of sulfur dioxide.

SECTION VII – SPILL or LEAK PROCEDURES

Procedures – Wear personal protective equipment (see Section VIII). Clean up with absorbent material.

Waste Disposal Method – Dispose of in accordance with Local, State, and Federal Regulations.

SECTION VIII – SPECIAL PROTECTION INFORMATION

Respiratory – If TLV is exceeded, or for symptoms of overexposure, wear a NIOSH approved dust mist respirator.

Eyewear – Wear chemical safety goggles.

Clothing/Gloves – If potential for skin contact exists, wear neoprene or other chemical resistant gloves.

Ventilation – Local exhaust may be necessary under some handling/use conditions. Specific needs should be addressed by supervisory or health safety personnel.

SECTION IX – SPECIAL PRECAUTIONS

Store in a closed container in cool, well-ventilated area. This product does not contain any carcinogens (at 0.1% or greater) as defined by ARC, NTP, or OSHA.

The information and recommendations contained in this material safety data sheet have been compiled from sources believed to be reliable and to represent the most reasonable current opinion on the subject when the MSDS was prepared. No warranty, guaranty or representation is made as to the correctness or sufficiency of the information. The user of this product must decide what safety measures are necessary to safely use this product, either alone or in combination with other products, and determine its environmental regulatory compliance obligations under any applicable federal or state laws.