



Graphic Arts Products

MATERIAL SAFETY DATA SHEET

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 Date Prepared: August 21,1996
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Section 1 **PRODUCT IDENTITY**

Label Name: Formula 86
Chemical Family: Fountain/Ink Stabilizer
Formula Number: Trade Secret

Section 2 **HAZARDOUS INGREDIENTS**

<u>Components</u>	<u>CAS Number</u>	<u>TLV</u>
2-Butoxyethanol	111-76-2	25 skin >2%

Section 3 **PHYSICAL & CHEMICAL PROPERTIES**

Boiling Point: 210° F **Specific Gravity:** 0.99
Vapor Pressure: N/D **Percent Volatile:** > 4%
Solubility in water: Complete
Appearance and Odor: Green liquid, mild odor.

Section 4 **FIRE & EXPLOSIVE HAZARD DATA**

Flash Point: N/A
Flammability Limits: Upper: N/A Lower: N/A
Extinguishing Media: Carbon Dioxide, Foam, Dry Chemical
Special Fire Fighting Procedure: None required.
Unusual fire and explosive hazards and physical hazards: None known

Section 5 **REACTIVE DATA**

Stability: Stable
Conditions to avoid: Extreme heat. Do not evaporate a quantity to dryness.
Incompatibility: Strong acids or alkalis.
Hazardous decomposition products: None known.
Hazardous polymerization: Will not occur.

Section 6 **HEALTH EFFECTS OF EXPOSURE**

Eyes: Flush eyes with clear water for at least 15 minutes. If irritation or redness occurs, seek medical attention.
Skin: Remove contaminated shoes or clothing and wash affected areas with soap and water. If irritation or redness occurs seek medical attention.
Ingestion: Not for internal use. If quantity is swallowed call a physician.
Inhalation: Not considered a hazard under normal conditions.

Abbreviations: N/D - Not Determined N/A - Not Applicable N/F - Not Found
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Health Hazard Data

Primary Routes of Entry: Eyes, Skin, Ingestion.
Published Exposure Limits: See section 2
Listed as Carcinogen: No
Effects of Overexposure: None known
 (including any medical conditions that are generally recognized as being aggravated by exposure).

Emergency and First Aid Procedures

Not required under normal conditions of use. Good practice suggests: For eye contact flush with plenty of water. For skin contact, wash thoroughly with soap and water.

Section 7 **SPILL OR LEAK PROCEDURES**

Steps to be taken in case the material is released or spilled:
 For small spills, absorb in an inert material. (clay, sand, dirt, etc.).
 For large spills, contain with absorbent material and pump into drums, finally flush spill area with cool water.

Section 8 **RECOMMENDED CONTROL MEASURES**

Respiration Protection: Use of respiration equipment is necessary if concentration exceeds exposure limits.
Ventilation: Use adequate ventilation to keep vapors below exposure limits.
Protective Gloves: Not normally required.
Eye Protection: If splashes can occur use safety mask
Other Protective Equipment: A source of clean fresh water should be available for flushing eyes or skin.
 Impervious clothing should be worn as needed

Section 9 **SPECIAL PRECAUTIONS**

Precautions to be taken in handling or storage:
 Where splash can occur, use chemical goggles or full face shield.
 Store in a cool dry place, 40 ° to 90 ° F preferred.
 Store away from strong oxidizing agents.
 Do not store near food or feed.

Section 10 **TRANSPORTATION DATA**

DOT: Not regulated
VOC: = 0.45 Pounds/Gallon
SARA: = 0.22 Pounds/Gallon

Section 11 **PRECAUTIONARY LABELING**

For Industrial use only
 Keep out of reach of children
 See literature and/or container for additional information
 Do not allow a large quantity to evaporate to dryness

HMIS RATING: Health 2
 Flammability 0
 Reactivity 0
 Personal Protection B

Judgement as to the suitability of information herein of the purchaser's purpose are necessarily the purchaser's responsibility. Reasonable care has been taken in the preparation of this information, but extends no warranties, makes no representations as to the accuracy or suitability of this information for any of the purchaser's use or for consequences of misuse.

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