MATERIAL SAFETY DATA SHEET

This MSDS complies with OSHA'S Hazard Communication Standard (29 CFR 1910.1200) and the American National Standards Institute Standard for MSDSs (ANSI Z400.1)

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufactured By: **Nova Pressroom Products LLC** Address: 1663 North McDuff Avenue Jacksonville, FL 32254	Identity (trade name as used on label): **NovaFount FS-802C Sheetfed Fountain Solution**
Date Prepared: 10/11/10 Revision: 0	Prepared By: CEM
Information Calls: (866) 443-5811	DOT Emergency Response: (800) 424-9300

SECTION 2 – HAZARDS IDENTIFICATION

Emergency Overview: Green liquid with very mild odour. Can cause eye, skin and respiratory tract irritation. Affects central nervous system, blood and blood-forming organs, kidneys, liver, and lymphoid system. During emergencies, wear equipment to protect eyes, skin and respiratory tract. Dike or absorb spills to keep material and run-off from entering sewers, drains or waterways.

Potential Health Effects:

Skin – Prolonged or repeated contact with liquid can cause irritation and/or dermatitis. May be absorbed through intact skin with possible systemic effects.

Eyes – Vapours and splashes to the eyes are irritating.

Inhalation – Irritating to the respiratory tract and mucous membranes.

Ingestion – Causes irritation to the gastrointestinal tract; symptoms may include nausea, vomiting and diarrhea. May cause systemic poisoning with symptoms paralleling those of inhalation.

Conditions Aggravated by Exposure: Persons with pre-existing skin disorders, and impaired liver, kidney, blood, or lymphoid system function may be more susceptible to the effects of exposure. Allergic reaction to gum arabic may cause respiratory distress and skin sensitivity.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENTS-CHEMICAL NAMES AND COMMON NAMES (Hazardous Components 1% or greater; Carcinogens 0.1% or greater)	CAS Number	WT. %	OSHA PEL (ppm)	ACGIH TLV (ppm)	Carcinogen Ref. Source **
ETHYLENE GLYCOL MONOBUTYL ETHER (Synonyms: 2-Butoxyethanol; Butyl Cellosolve; Solvent EB)	111-76-2	0-10	50 (skin)	20	e

*See SECTION 15 – REGULATORY INFORMATION.

**Chemical Listed as Carcinogen or Potential Carcinogen: a = NTP b = IARC Monograph c = OSHA d = Not Listed e = Animal Data Only

SECTION 4 – FIRST AID MEASURES

Eye Contact: Immediately flush with water for at least 15 minutes; seek medical attention if irritation persists.	**Ingestion:** Induce vomiting upon medical advice. Seek immediate medical attention.
Skin Contact: Remove contaminated clothing; launder before re-use. Wash skin with soap and water; if irritated, seek medical attention.	**Inhalation:** Immediately remove to fresh air. Seek medical attention if breathing difficulty occurs.

SECTION 5 – FIRE FIGHTING MEASURES

Flash Point and Method Used:	**Auto Ignition Temperature:**	**Explosion Limits:**
>200° F (CC)	Not Established	% LEL – Not Established % UEL – Not Established

Extinguisher Media: Foam, dry chemical; use water spray to cool exposed surfaces.

OSHA Class IIIB Combustible Liquid. Evacuate area and fight fire from a safe distance if fire is contained in small area; otherwise, call the local fire department.

Unusual Fire & Explosion Hazards: Under fire conditions, hazardous fumes may be present. Fire media run-off can damage the environment. Dike and collect media used to fight fire.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

For small incidental spills and leaks, wear protective gloves and eye protection. Stop source of leak or spill. Isolate area of spill by diking, and/or add dry absorbent to prevent it from entering sewers, drains or waterways. Clean up and place in an appropriate container for disposal. Wash all contaminated clothing before reuse. For larger spill requiring emergency response, follow OSHA emergency response regulations and NIOSH recommendations. If possible, stop source of spill or release. Isolate the area of spill or release by diking to prevent it from entering sewers, drains or waterways. Clean up and place in an appropriate container for disposal.

SECTION 7 – HANDLING/STORAGE

Avoid contact with eyes, skin or clothing. Avoid breathing mist or vapor. Do not swallow. Wash thoroughly after handling. Do not eat, drink or smoke in work areas. Keep continer closed when not in use. Use only with adequate ventilation. Store in a cool, well-ventilated area. Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in this data sheet must be observed.

SECTION 8 – EXPOSURE CONTROL AND PERSONAL PROTECTION

Ventilation: Good, general ventilation should be sufficient for most operations. Ten or more room air changes per hour containing a minimum of 15% fresh air are recommended.

Personal Protection: Safety glasses and gloves impervious to the hazardous ingredients are recommended. If used under normal operating conditions, and with adequate ventilation, respiratory equipment is not required.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odour: Clear, green liquid with mild odor.	**Boiling Point/Range:** 212-380°F
Odour Threshold: Not Available	**Vapor Density:** Not Available
Specific Gravity (Water = 1.00): 1.064 @ 60°F	**VOC Composite Vapor Pressure:** Not Available
Viscosity: Not established	**Solubility in Water:** 100% Miscible
pH: 4.85	**VOC (lbs/gal):** 1.87 (USEPA Method 24)
Freezing Point: Not Available	**Coefficient of Water/Oil Distribution:** Not Available

SECTION 10 – STABILITY AND REACTIVITY

Hazardous Polymerization: Will NOT occur; product is stable.

Hazardous Decomposition Products: Includes, but is not limited to smoke, fumes, oxides of nitrogen, oxides of carbon.

Materials and Conditions to Avoid: All potential sources of ignition. Avoid contact with strong oxidizers and strong acids/bases.

SECTION 11 – TOXICOLOGICAL INFORMATION

LD50 (oral, rat): No data available.

Reproductive Toxicity: Ethylene Glycol Monobutyl Ether has shown teratogenic effects in laboratory animals.

Acute Overexposure: M ay cause eye, skin and respiratory tract irritation.

Chronic Overexposure: Prolonged or repeated skin contact may cause allergic reaction and dermatitis. Prolonged or repeated exposure to Ethylene Glycol Monobutyl Ether can cause damage to the liver, kidneys, lymphoid system, blood and blood-forming organs.

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity Data: No data available.

Chemical Fate Data: No data available.

SECTION 13 – DISPOSAL CONSIDERATIONS

Hazardous Waste Characterization: None.

Recommendation: Dispose of materials associated with cleaning up spills and/or leaks according to federal, state and local regulations for ignitable waste. Consult appropriate federal, state and local regulations to determine proper characterization of used product contaminated with other printing process products.

SECTION 14 – TRANSPORT INFORMATION

Ground Shipping (US DOT 49 CFR): Not regulated.

Air (ICAO/IATA) Shipping: Not regulated.

International Maritime Organization (IMDG) Shipping: Not regulated.

SECTION 15 – REGULATORY INFORMATION

SARA Title III, Section 313 (Toxic Release Inventory) – Ethylene Glycol Monobutyl Ether (Glycol Ethers Category; 7%).

Clean Air Act 1990 Hazardous Air Contaminants; Clean Air Act HON Rule (Hazardous Air Pollutant-HAP) – None.

SARA Title III, Section 302 (Hazardous Substance List) – None.

Canadian DSL/NDSL Inventory: Components of this product are listed either on the Domestic Substance List (DSL) or the Non-Domestic Substance List (NDSL).

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

WHMIS Classification: Class D2A Very Toxic Material.

TSCA Inventory: All of this product's components are listed.

SECTION 16 – OTHER INFORMATION

FOR INDUSTRIAL USE ONLY USE ONLY AS DIRECTED DO NOT TAKE INTERNALLY

HAZARD RATING: Health – 2 Flammability – 1 Reactivity – 0 Personal Protection – Glasses, Gloves

Health: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe	Flammability: 0 = Will Not Burn 1 = Flash Point > 200° F 2 = Flash Point > 100° F and < 200° F 3 = Flash Point < 100° F and Boiling Point > 100° F 4 = Flash Point and Boiling Point <100° F	Reactivity: 0 = None 1 = Slight 2 = Moderate 3 = Serious 4 = Extreme

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. Some information may be based on indirect test data.