

# SAFETY DATA SHEET



Date Issued : 01/20/2015  
SDS No : FS-860  
Date Revised : 01/07/2019  
Revision No : 5

## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT DESCRIPTION:** Alcohol Replacement Fountain Solution  
**PRODUCT CODE:** FS-860

### MANUFACTURER

Nova Pressroom Products  
1663 North McDuff Avenue  
Jacksonville, FL 32254  
**Alternate Contact:** (866) 443-5811  
**Customer Service:** (904) 292-2554  
**Transportation:** (800) 424-9300  
**Fax:** 904) 389-6999  
**E-Mail:** info@novapressroom.com

### 24 HR. EMERGENCY TELEPHONE NUMBERS

**Chemtrec (US and Canada) :** +1-800-424-9300

## 2. HAZARDS IDENTIFICATION

### GHS CLASSIFICATIONS

#### Health:

Eye Irritation, Category 2A  
Skin Irritation, Category 2  
Acute Toxicity (Oral), Category 4  
Target Organ Toxicity (Repeated exposure), Category 2

### GHS LABEL



Exclamation  
mark



Health  
hazard

**SIGNAL WORD:** WARNING

### HAZARD STATEMENTS

H319: Causes serious eye irritation.  
H315: Causes skin irritation.  
H302: Harmful if swallowed.  
H373: May cause damage to organs (Kidney) through prolonged or repeated exposure.

### PRECAUTIONARY STATEMENTS

#### Prevention:

P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P260: Do not breathe dust/fume/gas/mist/vapours/spray.  
P271: Use only outdoors or in a well-ventilated area.  
P270: Do not eat, drink or smoke when using this product.  
P264: Wash hands thoroughly after handling.

#### Response:

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313: If eye irritation persists: Get medical advice/attention.  
P302+P352: IF ON SKIN: Wash with plenty of water.  
P332+P313: If skin irritation occurs: Get medical advice/attention.  
P321: Specific treatment (See First Aid Section on this label).  
P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor, or physician if you feel unwell.  
P330: Rinse mouth.  
P312: Call a POISON CENTER/doctor/...if you feel unwell.  
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P314: Get medical advice/attention if you feel unwell.  
P362+P364: Take off contaminated clothing and wash it before reuse.

**Disposal:**

P501: Dispose of contents/container in accordance with local regulations.

**EMERGENCY OVERVIEW**

**PHYSICAL APPEARANCE:** Green liquid with mild odor

**POTENTIAL HEALTH EFFECTS**

**EYES:** Contact may cause eye irritation.

**SKIN:** Contact may cause skin irritation.

**INGESTION:** Ingestion may cause irritation to the gastrointestinal tract.

**INHALATION:** Inhalation may cause irritation to the respiratory tract.

**MEDICAL CONDITIONS AGGRAVATED:** Significant chronic exposure may aggravate existing eye, skin, auditory (hearing), respiratory system, liver, kidney, and CNS conditions.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Chemical Name	Wt.%	CAS
2-butoxyethanol	20 - 30	111-76-2
Ethylene Glycol	1 - 10	107-21-1
Proprietary - 10066	< 2	

**4. FIRST AID MEASURES**

**EYES:** Immediately flush eyes with plenty of water. If irritation persists, seek medical attention.

**SKIN:** Wash skin with soap and water. If irritation develops or persists, seek medical attention.

**INGESTION:** Seek immediate medical advice. Do not induce vomiting unless instructed to do so by poison center or physician.

**INHALATION:** Remove person to fresh air. If breathing becomes difficult, seek medical attention.

**5. FIRE FIGHTING MEASURES**

**FLAMMABLE CLASS:** None

**EXTINGUISHING MEDIA:** Foam, dry chemical; use water spray to cool exposed surfaces. Evacuate area and fight fire from a safe distance if fire is contained in a small area; otherwise, call the local fire department. Fire media runoff may damage the environment. Dike and collect media used to fight fire.

**OTHER CONSIDERATIONS:** Vapors are heavier than air and may accumulate in low or inadequately ventilated areas. Vapors may travel along the ground to be ignited at locations distant from the handling site. Flashback or flame to the handling site may occur.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Fire may produce hazardous fumes.

**6. ACCIDENTAL RELEASE MEASURES**

**SMALL SPILL:** Wear protective gloves and eye protection, and stop the source of the leak or spill if possible. Isolate area of spill with dike, and/or add dry absorbent to prevent runoff from entering storm sewers and ditches which lead to waterways. Clean up and place in an appropriate container for disposal. Wash all contaminated clothing before use.

**LARGE SPILL:** Follow OSHA emergency response regulations and NIOSH recommendations. If possible, stop source of spill or release. Isolate the area of spill or release with dike to prevent runoff from entering storm sewers and ditches which lead to

waterways. Clean up and place in an appropriate container for disposal. Wash all contaminated clothing before use.

## 7. HANDLING AND STORAGE

**HANDLING:** Avoid contact with eyes, skin, or clothing. Avoid breathing mist or vapor. Do not swallow. Wash hands thoroughly after handling. Do not eat, drink, or smoke in work areas. Use only with adequate ventilation.

**STORAGE:** Store in a cool, dry, well-ventilated area. Keep container closed when not in use. Containers of this material may be hazardous when emptied. Because emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in this data sheet must be observed.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)			
Chemical Name	EXPOSURE LIMITS		
	Type	ppm	mg/m <sup>3</sup>
2-butoxyethanol	OSHA PEL	TWA	50
	ACGIH TLV	TWA	20

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

### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Safety glasses.

**SKIN:** Gloves impervious to the hazardous ingredients.

**RESPIRATORY:** If used under normal operating conditions and with adequate ventilation, respiratory equipment is not required.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Liquid

**ODOR:** Mild odor

**ODOR THRESHOLD:** Not Established

**APPEARANCE:** Clear

**COLOR:** Green

**pH:** 3.8

**FLASH POINT AND METHOD:** > (200°F) CC

**FLAMMABLE LIMITS:** Not Established to Not Established

**AUTOIGNITION TEMPERATURE:** Not Established

**VAPOR PRESSURE:** Not Established

**VAPOR DENSITY:** Not Established

**BOILING POINT:** (212°F) to (369°F)

**FREEZING POINT:** Not Established

**THERMAL DECOMPOSITION:** Not Established

**SOLUBILITY IN WATER:** 100 %

**PARTITION COEFFICIENT: N-OCTANOL/WATER:** Not Established

**EVAPORATION RATE:** Not Established

**DENSITY:** Not Established

**SPECIFIC GRAVITY:** 1.06 at (60°F)

**Notes:** Water = 1.00

**VISCOSITY:** Not Established

**(VOC):** 5 lbs/gal USEPA Method 24

## 10. STABILITY AND REACTIVITY

**HAZARDOUS POLYMERIZATION:** No

**STABILITY:** Chemically stable

**CONDITIONS TO AVOID:** High temperatures, localized heat sources (i.e.: drum or band heaters), oxidizing conditions, freezing conditions, direct sunlight, ultraviolet radiation, inert gas blanketing, strong oxidizers, strong reducers, free radical initiators, inert gases, oxygen scavengers.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Includes, but not limited to smoke, fumes, oxides of nitrogen, and oxides of carbon.

**INCOMPATIBLE MATERIALS:** Strong oxidizers, acids, and/or bases.

## 11. TOXICOLOGICAL INFORMATION

### ACUTE TOXICITY

Chemical Name	ORAL LD <sub>50</sub>	DERMAL LD <sub>50</sub>
Ethylene Glycol	4700 mg/kg [Rat]	
Proprietary - 10066	> 2200 mg/kg [Rat]	> 4000 mg/kg [Rat]

**ORAL LD<sub>50</sub>:** Not Established

**STOT-REPEATED EXPOSURE:** Prolonged or repeated exposure to ethylene glycol may cause damage to the kidneys.

## 12. ECOLOGICAL INFORMATION

**ECOTOXICOLOGICAL INFORMATION:** Not Available

**BIOACCUMULATION/ACCUMULATION:** Not Available

**CHEMICAL FATE INFORMATION:** Not Available

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Dispose materials associated with cleaning spills and/or leaks according to federal, state, and local regulations. If product is contaminated with other printing process products, consult appropriate federal, state, and local regulations to determine proper characterization of resultant mixture.

**RCRA/EPA WASTE INFORMATION:** None

## 14. TRANSPORT INFORMATION

### DOT (DEPARTMENT OF TRANSPORTATION)

**PROPER SHIPPING NAME:** Not Regulated

### AIR (ICAO/IATA)

**SHIPPING NAME:** Not Regulated

### VESSEL (IMO/IMDG)

**SHIPPING NAME:** Not Regulated

## 15. REGULATORY INFORMATION

### UNITED STATES

#### SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

**313 REPORTABLE INGREDIENTS:** This product does not contain any ingredients subject to the reporting requirements of SARA Title III Section 313 at or above reporting thresholds, unless listed below.

#### EPCRA SECTION 313 SUPPLIER NOTIFICATION

Chemical Name	Wt.%	CAS
2-butoxyethanol	20 - 30	111-76-2
Ethylene Glycol	1 - 10	107-21-1

### 302/304 EMERGENCY PLANNING

**EMERGENCY PLAN:** This product does not contain any ingredients that are subject to the reporting requirements of SARA Title III Section 302.

**CERCLA (COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT)**

Chemical Name	Wt.%	CERCLA RQ
Ethylene Glycol	1 - 10	5,000

**TSCA (TOXIC SUBSTANCE CONTROL ACT)**

**TSCA STATUS:** All components of this product are registered on the TSCA inventory.

**CLEAN AIR ACT**

**40 CFR PART 68---RISK MANAGEMENT FOR CHEMICAL ACCIDENT RELEASE PREVENTION:** To the best of our knowledge, this product does not contain any ingredients that are subject to the reporting requirements of the Clean Air Act 40 CFR.

**CANADA**

**WHMIS (WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM):** Class D2A Very Toxic Material

**DOMESTIC SUBSTANCE LIST (INVENTORY):** All components of this product are registered on the DSL inventory.

**16. OTHER INFORMATION**

**APPROVED BY:** HRB    **TITLE:** VP Technical Services

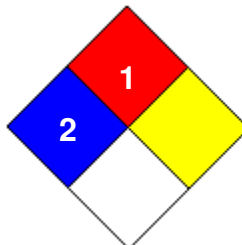
**PREPARED BY:** RAD - EHS Manager    **Date Revised:** 01/07/2019

**REVISION SUMMARY:** This SDS replaces the 12/19/2018 SDS.

**HMIS RATING**

<b>HEALTH</b>	*	<b>2</b>
<b>FLAMMABILITY</b>		<b>1</b>
<b>PHYSICAL HAZARD</b>		<b>0</b>
<b>PERSONAL PROTECTION</b>		<b>B</b>

**NFPA CODES**



**MANUFACTURER DISCLAIMER:**

The specific chemical identities of some ingredients in this mixture are considered proprietary information and trade secrets. As such they are withheld in accordance with CFR 1910.1200(i) of Title 29.

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.