SAFETY DATA SHEET

WORKING COPY

Date Prepared : 12/12/2014
SDS No : NovaFount FS-507

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT DESCRIPTION: One Step Acid Fountain Solution
PRODUCT CODE: FS-507

MANUFACTURER

Nova Pressroom Products
1663 North McDuff Avenue
Jacksonville, FL 32254
Alternate Emergency Phone: (866) 443-5811
Customer Service: (904) 292-2554
Transportation: (800) 424-9300

24 HR. EMERGENCY TELEPHONE NUMBERS

Poison Control Center (Medical) : (877) 800-5553
CANUTEC (Canadian Transportation) : (613) 996-6666
CHEMTREC (US Transportation) : (800) 424-9300

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

Acute Toxicity (Oral), Category 5
Skin Irritation, Category 3
Eye Irritation, Category 2B
Respiratory Tract Irritation, Category 3

GHS LABEL

Exclamation mark

SIGNAL WORD: WARNING

HAZARD STATEMENTS

H303: May be harmful if swallowed.
H316: Causes mild skin irritation.
H320: Causes eye irritation.
H335: May cause respiratory irritation.

PRECAUTIONARY STATEMENTS

Prevention:

P264: Wash hands thoroughly after handling.
P261: Avoid breathing fumes, mist or vapors.
P271: Use only outdoors or in a well-ventilated area.

Response:

P312: Call a POISON CENTER, doctor or physician if you feel unwell.
P332+P313: If skin irritation occurs: Get medical advice.
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.
P304+P340: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.

Storage:

P403+P233: Store in a well-ventilated place. Keep container tightly closed.
P405: Store locked up.

Disposal:

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

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Amber 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 esposure may aggravate existing eye, skin, respiratory system, liver, kidney, and CNS conditions.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Propylene Glycol Monobutyl Ether	10 - 20	5131-66-8
Acetic Acid	1 - 5	64-19-7
Malic acid	1 - 5	617-48-1
Proprietary - 10146	~ 2	Mixture
Ethanol, 2-(2-butoxyethoxy)-	< 2	112-34-5
Proprietary - 10002	< 1	Mixture

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)							
		EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		Supplier OEL	
Chemical Name		ppm	mg/m³	ppm	mg/m³	ppm	mg/m³
Acetic Acid	TWA	10	25	10	25	NL	NL
	STEL	15	37	15	37	NL	NL

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

COLOR: Amber

pH: 4.65

FLASH POINT AND METHOD: > (200°F) CC

FLAMMABLE LIMITS: 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 %

EVAPORATION RATE: Not Established

DENSITY: Not Established

SPECIFIC GRAVITY: 1.075 at (60°F)

Notes: Water = 1.00

VISCOSITY: Not Established

(VOC): 1.750 lbs/gal USEPA Method 24

COEFF. OIL/WATER: Not Established

10. STABILITY AND REACTIVITY

REACTIVITY: Yes

HAZARDOUS POLYMERIZATION: No

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

INCOMPATIBLE MATERIALS: Avoid all potential sources of ignition and contact with strong oxidizers, strong acids, and strong bases.

11. TOXICOLOGICAL INFORMATION

ACUTE

Chemical Name	ORAL LD_{50}	DERMAL LD_{50}	INHALATION LC_{50}
Propylene Glycol Monobutyl Ether	2200 mg/kg [Rat]	3100 mg/kg [Rabbit]	
Acetic Acid	3310 to 3530 mg/kg [Rat]	1060 mg/kg [Rabbit]	5620 ppm [Mouse]
Malic acid	1600 mg/kg [Rat]		
Proprietary - 10146	> 2000 mg/kg [Rat]	> 2000 mg/kg [Rabbit]	> 20 mg/L [Rat]
Ethanol, 2-(2-butoxyethoxy)-	5660 mg/kg [Rat]		
Proprietary - 10002	5500 mg/kg [Rat]	> 2000 mg/kg [Rat]	

EYES: May cause eye irritation.

SKIN ABSORPTION: May cause skin irritation.

ORAL LD_{50}: Not Established

INHALATION LC_{50}: May cause respiratory tract irritation.

CHRONIC: Prolonged or repeated skin contact may cause allergic reaction and dermatitis. Prolonged or repeated exposure to Diethylene Glycol Monobutyl Ether has caused blood, kidney, and liver damage in laboratory animals. In animal studies, repeated overexposure did not interfere with reproduction; however, body weights of newborn animals were decreased.

TERATOGENIC EFFECTS: 2-butoxyethanol has shown teratogenic effects in laboratory animals.

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
Ethanol, 2-(2-butoxyethoxy)-	< 2	112-34-5

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
Acetic Acid	1 - 5	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: None

CANADA

WHMIS (WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM): Class D2B Toxic Material

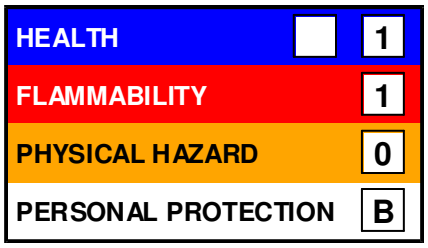
DOMESTIC SUBSTANCE LIST (INVENTORY): All components of this product are registered on the DSL inventory.

16. OTHER INFORMATION

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

PREPARED BY: RAD - EHS Manager **Date Prepared:** 12/12/2014

HMIS RATING



MANUFACTURER DISCLAIMER:

The specific chemical identities of some ingredients in this mixture are considered proprietary information and trade secrets. As such they are witheld 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.