

SAFETY DATA SHEET



Date Issued : 12/11/2014
SDS No : NovaFount AS-901
Date Revised : 11/16/2018
Revision No : 3

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT DESCRIPTION: Alcohol Replacement for Lithography
PRODUCT CODE: AS-901

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:

Acute Toxicity (Oral), Category 4
Eye Irritation, Category 2A
Skin Irritation, Category 3

GHS LABEL



Exclamation
mark

SIGNAL WORD: WARNING

HAZARD STATEMENTS

H302: Harmful if swallowed.
H319: Causes serious eye irritation.
H316: Causes mild skin irritation.

PRECAUTIONARY STATEMENTS

Prevention:

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P271: Use only outdoors or in a well-ventilated area.
P264: Wash hands thoroughly after handling.

Response:

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P301+P312: IF SWALLOWED: Call a POISON CENTER/ doctor/...if you feel unwell.

Storage:

P403+P235: Store in a well-ventilated place. Keep cool.

P233: Keep container tightly closed.

Disposal:

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

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Clear, colorless 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.

3. COMPOSITION / INFORMATION ON INGREDIENTS

| Chemical Name | Wt.% | CAS |
|---------------------|---------|----------|
| 2- Butoxyethanol | 50 - 60 | 111-76-2 |
| Proprietary - 10035 | 1 - 10 | Mixture |
| Proprietary - 10041 | < 5 | 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: NA = Not Applicable

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.

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 | | | | |
| Chemical Name | Type | | ppm | mg/m ³ |
| 2- Butoxyethanol | OSHA PEL | TWA | 50 | 240 |
| | ACGIH TLV | TWA | 20 | 97 |

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: Colorless

pH: NA = Not Applicable

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

SOLUBILITY IN WATER: 100% Miscible

PARTITION COEFFICIENT: N-OCTANOL/WATER: Not Established

EVAPORATION RATE: Not Established

DENSITY: Not Established

SPECIFIC GRAVITY: 0.95 at (77°F)

Notes: Water = 1.00

VISCOSITY: NA = Not Applicable

(VOC): 6 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 ₅₀ | DERMAL LD ₅₀ | INHALATION LC ₅₀ |
|---------------------|-----------------------|-------------------------|-----------------------------|
| Proprietary - 10035 | > 1860 mg/kg [Rat] | > 2000 mg/kg [Rabbit] | |
| Proprietary - 10041 | 6517 mg/kg [Rat] | > 15200 mg/kg [Rabbit] | > 3.55 mg/L [Rat] |

ORAL LD₅₀: Not Established

INHALATION LC₅₀: May cause respiratory tract irritation.

NOTES: 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 |
|------------------|---------|----------|
| 2- Butoxyethanol | 50 - 60 | 111-76-2 |

TSCA (TOXIC SUBSTANCE CONTROL ACT)

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

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

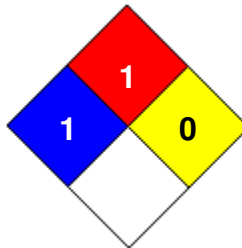
PREPARED BY: RAD - EHS Manager **Date Revised:** 11/16/2018

REVISION SUMMARY: This SDS replaces the 07/02/2018 SDS. Revised: **Section 16: HMIS RATING - HEALTH NFPA CODES (HEALTH, REACTIVITY).**

HMIS RATING

| | | |
|---------------------|--------------------------|---|
| HEALTH | <input type="checkbox"/> | 1 |
| FLAMMABILITY | | 1 |
| PHYSICAL HAZARD | | 0 |
| PERSONAL PROTECTION | | 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.