

SAFETY DATA SHEET

WORKING COPY



Date Prepared : 3/2/2015
SDS No : N-345UV

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT DESCRIPTION: Cleaner for Ultraviolet Curing Inks on Buna-Nitrile Rubber

PRODUCT CODE: N-345UV

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

Physical:

Flammable Liquids, Category 2

GHS LABEL

Highly Flammable Liquid and Vapor



Flame



Exclamation
mark

SIGNAL WORD: DANGER

HAZARD STATEMENTS

H224: Extremely flammable liquid and vapour.

H303: May be harmful if swallowed.

H316: Causes mild skin irritation.

H320: Causes eye irritation.

H335: May cause respiratory irritation.

PRECAUTIONARY STATEMENTS

Prevention:

P210: Keep away from heat, sparks, open flames and hot surfaces. – No smoking.

P233: Keep container tightly closed.

P241: Use explosion-proof electrical equipment.
 P242: Use only non-sparking tools.
 P243: Take precautionary measures against static discharge.
 P261: Avoid breathing fumes, mist or vapors.
 P264: Wash hands thoroughly after handling.
 P271: Use only outdoors or in a well-ventilated area.
 P280: Wear protective gloves and eye protection.

Response:

P304+P340: IF INHALED: Remove to fresh air and keep at rest in a position 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): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
 P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
 P370+P378: In case of fire: Use dry chemical for extinction.

Storage:

P403+P235: Store in a well-ventilated place. Keep cool.
 P233: Keep container tightly closed.

Disposal:

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

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Clear, colorless liquid with mild solvent odor.

IMMEDIATE CONCERNS: Can cause eye, skin or respiratory tract irritation. Can cause severe lung damage and may be fatal if swallowed. May cause CNS depression. Combustible. Vapors are heavier than air and may travel across the ground and reach remote ignition sources causing a flashback fire. 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

EYES: Contact may cause eye irritation.

SKIN: Prolonged or repeated contact with liquid can cause defatting and drying of the skin, and can lead to irritation and/or dermatitis.

SKIN ABSORPTION: May be absorbed through intact skin; however, single, prolonged exposure is not likely to result in the material being absorbed through the skin in harmful amounts.

INGESTION: May cause nausea, vomiting, diarrhea; possible chemical pneumonitis if aspirated into lungs.

INHALATION: Irritating to the respiratory tract. May cause headache, dizziness, anesthetic effects (CNS depression). Breathing high concentrations in an enclosed space or by intentional abuse can cause irregular heartbeats, which can cause death.

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

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
2- Butoxyethanol	35 - 45	111-76-2
Aliphatic Petroleum Distillates	25 - 35	64742-48-9
1,2,4-trimethylbenzene	< 5	95-63-6
Cumene	< 1	98-82-8
Xylenes (o-,m-,p- Isomers)	< 1	1330-20-7

4. FIRST AID MEASURES

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

SKIN: Remove contaminated clothing; launder before re-use. Wash skin with soap and water. If irritation develops or persists, seek medical attention.

INGESTION: Seek immediate medical advice. Do NOT induce vomiting, do NOT drink water.

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

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: Category 2 - Highly Flammable Liquid and Vapor

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. Avoid using in areas with open flames, welding arcs, extreme heat or sparks.

STORAGE: Store in a cool, dry, well-ventilated area. Keep container closed when not in use. Transfer to bonded and grounded containers only. Avoid storage with acids/bases and strong oxidizers. 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	
Chemical Name			ppm	mg/m ³	ppm	mg/m ³
2- Butoxyethanol	TWA		50	240	20	97
Aliphatic Petroleum Distillates	TWA		500		100	
1,2,4-trimethylbenzene	TWA				25	123

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 solvent odor
ODOR THRESHOLD: Not Established
APPEARANCE: Clear
COLOR: None
pH: NA = Not Applicable
FLASH POINT AND METHOD: ~ (107°F) CC
FLAMMABLE LIMITS: Not established
AUTOIGNITION TEMPERATURE: Not Established
VAPOR PRESSURE: 2.3 mmHg at 20°C
VAPOR DENSITY: Not Established
BOILING POINT: (310°F) to (380°F)
FREEZING POINT: Not Established
SOLUBILITY IN WATER: 100% Miscible
EVAPORATION RATE: Not Established
DENSITY: Not Established
SPECIFIC GRAVITY: 0.83 at (77°F)
Notes: Water = 1.00
VISCOSITY: Not Established
(VOC): 6.700 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: All potential sources of ignition, strong oxidizers, strong acids, and strong bases.

11. TOXICOLOGICAL INFORMATION

ACUTE

Chemical Name	ORAL LD ₅₀	DERMAL LD ₅₀
Aliphatic Petroleum Distillates	5000	3160

EYES: May cause eye irritation.

SKIN ABSORPTION: May cause skin irritation.

ORAL LD₅₀: Not Established

INHALATION LC₅₀: May cause respiratory tract irritation.

CHRONIC: Overexposure to the aromatic petroleum distillate (or its components) has been suggested as a cause of the following effects in laboratory animals: cataracts; mild, reversible liver effects; mild, reversible kidney effects; and blood abnormalities. Overexposure to the aromatic petroleum distillate (or its components) has been shown to cause harm to the fetus in laboratory animal studies. Harm to the fetus occurs only at exposure levels that harm the pregnant animal. The relevance of these findings to humans is uncertain. Reports have associated repeated and prolonged overexposure to solvents with irreversible brain and nervous system damage, sometimes referred to as "Solvent or Painter's Syndrome." Prolonged or repeated exposure to Ethylene Glycol Monobutyl Ether can cause damage to the liver, kidneys, lymphoid system, blood and blood-forming organs.

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: D001 (Ignitable Characteristic)

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Combustible liquid, N.O.S. (Petroleum distillates, Ethylene Glycol Monobutyl Ether)

UN/NA NUMBER: 1993

PACKING GROUP: III

NAERG: 128

OTHER SHIPPING INFORMATION: for bulk shipments (>119 gallons); less than bulk quantities are 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	35 - 45	111-76-2
Aliphatic Petroleum Distillates	25 - 35	64742-48-9
1,2,4-trimethylbenzene	< 5	95-63-6

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

Chemical Name	Wt.%	CERCLA RQ
Cumene	< 1	5,000
Xylenes (o-,m-,p- Isomers)	< 1	100

TSCA (TOXIC SUBSTANCE CONTROL ACT)

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

CLEAN AIR ACT

Chemical Name	Wt.%	CAS
Xylenes (o-,m-,p- Isomers)	< 1	1330-20-7

40 CFR PART 68---RISK MANAGEMENT FOR CHEMICAL ACCIDENT RELEASE PREVENTION: Cumene (<1%); Xylene (<1%)

CANADA

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

WHMIS CLASS: Class B Combustible Material

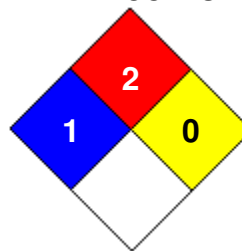
DOMESTIC SUBSTANCE LIST (INVENTORY): All components of this product are registered on the DSL inventory.

16. OTHER INFORMATION

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

PREPARED BY: RAD - EHS Manager **Date Prepared:** 3/2/2015

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.