



SAFETY DATA SHEET

NOTICE: Judgment may be based on indirect test and technical literature. The OSHA Hazard Communication Standard only requires SDS's and special labeling for materials defined as "HAZARDOUS"; see 29 CFR 1910.1200 (c). This document may be about a product which is NOT hazardous but is provided as information for our customers. See references for information.

SECTION 1. IDENTIFICATION

Product Identifier: ECO-4440	Product Identification # (PIF): 01642
Product Use: Press Wash for Screen Printing	Emergency Telephone #: 1-800-255-3924
UN #: N/A for US DOT	General Information #: 404-691-0015
Manufactured for: Kolormatrix	Date Prepared: November 11, 2013
150 Mendel Dr SW	Revised: April 11, 2014
Atlanta, GA 30336	

SECTION 2. HAZARD(S) IDENTIFICATION

HMIS Ratings: Health 2, Fire 2, Reactivity 1



Signal Word: WARNING
 This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
 OSHA Hazard Class: -Flammable Liquid: Category 3, Flammable liquid and vapor, H226
 -Aspiration Hazard: Category 2, May be harmful if swallowed and enters airways, H305

Product VOC: 100%

Potential Health Effects:

- Eye Contact: Liquid and vapor may cause moderate eye irritation and/or redness.
- Skin Contact: May cause moderate irritation to skin. Repeated exposure may cause drying and flaking of the skin (dermatitis). May be absorbed through the skin and cause effects such as CNS depression.
- Inhalation: Vapors expected to be slightly irritating.
- Ingestion: May cause nausea, vomiting, inebriation, shortness of breath and CNS depression (fatigue, dizziness). Aspiration into the lungs during vomiting may cause lung damage.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS #	Max. %
Naphtha (Petroleum), Heavy Alkylate	64741-65-7	<55
1-Methoxy-2-propanol	107-98-2	<22
2-Butoxyethanol	111-76-2	<22
D'Limonene	5989-27-5	<15
N-Methyl-2-Pyrrolidinone	872-50-4	<10

SECTION 4. FIRST AID MEASURES

- Eyes: Flush well with water for at least 15 minutes. Remove any contact lenses. Seek medical attention.
- Skin: Wash with soap and water. If irritation persists, seek medical attention.
- Inhalation: Move to fresh air. If breathing is difficult, have trained person administer oxygen. If respiration stops, have a trained person administer artificial respiration and call a physician.
- Ingestion: DO NOT INDUCE VOMITING. Call a physician immediately. Never give anything by mouth to an unconscious person. If large quantity swallowed, give lukewarm water (pint/ ½ liter) if victim is completely conscious and alert. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

SECTION 5. FIRE-FIGHTING MEASURES

Flammability: Combustible Liquid

Flash Point: 100°F (38°C)

- Extinguishing Media: Foam, dry chemical, carbon dioxide fire extinguishers, water fog or spray. Do not spray water directly on fire. Use water spray to cool containers.
- Specific hazards arising from chemical: Vapors are heavier than air and may travel along the ground to an ignition source. Will float and can be reignited on surface water. May react with oxygen to form peroxides.
- Hazardous combustion products: Oxides of carbon and nitrogen.
- Firefighting protective equipment: Wear a self-contained breathing apparatus with appropriate turn-out gear and chemical resistant personal protective equipment.
- Sensitivity to static discharge: This product is combustible and readily ignited even by static discharge.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protective equipment. Eliminate all ignition sources. Ventilate area.

- For Small Spills: Spilled material may be slippery. Avoid dispersal of material and runoff into soil, waterways, drains and sewers. Absorb spill with vermiculite or other inert material, then place in a container for chemical waste with non-sparking tools. Wash walking surfaces with water to reduce slipping hazard. Dispose of contaminated absorbent material in accordance with local, state and federal regulations.
- For Large Spills: Large spills cannot occur due to packaging.

SECTION 7. HANDLING AND STORAGE

- Handling: Wear personal protection equipment. Use with adequate ventilation. Do not handle around sources of ignition. Use proper bonding and grounding during product transfer as described in document NFPA 77. Vapors are heavier than air and may travel along the ground to an ignition source. Never use welding or cutting torch on or near drum (even empty) because product can ignite explosively. Do not premix with other chemicals.
- Storage: Keep away from heat, flame, or sunlight. Keep container closed when not in use. Keep from freezing. Protect from physical damage. Incompatible with flammables, oxidizing agents, corrosives, chlorates, chlorine, peroxides, halogens, vinyl chloride and iodine pentafluoride.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Ingredient	CAS #	OSHA/PEL	ACGIH/TLV	STEL
Naphtha (Petroleum), Heavy Alkylate	64741-65-7	500ppm	100ppm	NE
1-Methoxy-2-propanol	107-98-2	NE	100ppm	150ppm
2-Butoxyethanol	111-76-2	50ppm	20ppm	NE
D'Limonene	5989-27-5	NE	30ppm	NE
N-Methyl-2-Pyrrolidinone	872-50-4	NE	NE	NE

Engineering Controls: Provide adequate ventilation. Observe occupational exposure limits and keep the risk of exposure to a minimum.

Personal protective equipment:

- Eye: Safety glasses with side shields or splash proof goggles.
- Skin : Chemical resistant gloves.
- Respirator: Use NIOSH approved protection if PEL is exceeded or if vapors are causing irritation.
- Clothing: Normal materials handling clothing.
- Other: Use only in a well ventilated area.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Description: Colorless, clear liquid
- Odor: Citrus
- pH, Neat: NA
- Boiling point: Not determined
- Flash Point: 100°F (38°C)
- Evaporation Rate (n-butyl acetate=1): >1
- Upper Flammability Limit (% by volume): Not determined
- Lower Flammability Limit (% by volume): Not determined
- Vapor Pressure: >0.1mmHg @ 20°C
- Vapor Density: (Air = 1): >1
- Specific Gravity, (water = 1.0): 0.820 g/ml
- Water Solubility: Negligible
- Auto-ignition Temperature: Not determined
- %Volatile/Volume: 100%

SECTION 10. STABILITY AND REACTIVITY

- Chemical stability: Stable.
- Reactivity: May react with oxygen to form peroxides.
- Hazardous polymerization: Will not occur.
- Conditions to avoid: Heat, flame and sparks. Do not mix with other chemicals
- Incompatibility with other substances: Avoid oxidizing agents, corrosives, chlorates, chlorine, peroxides, halogens, vinyl chloride and iodine pentafluoride.
- Hazardous combustion products: Oxides of carbon and nitrogen.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicity:

- Oral (LD50 Rat): >2000mg/kg
- Dermal (LD50 Rabbit): >2000mg/kg
- Inhalation (LC50 Rat): >2000mg/kg vapors
- May be irritating to eyes, skin and respiratory tract.

Chronic Toxicity:

- Repeated exposure affects the nervous system. Severe overexposure may cause red blood cell damage.
- Effects from ingestion include tachycardia, hypertension, sever metabolic acidosis with hyperventilation, hypoxia, congestive heart failure and possible renal failure.

SECTION 12. ECOLOGICAL INFORMATION

Acute Aquatic Effects:

- 96h LC-50 (fish): >1000g/ml
- 96h EC-50 (invertebrates): >1000g/ml
- 48h LC-50 (algae): >1000g/ml
- Persistence and degradability: No data available
- Bioaccumulation: No data available
- Mobility: This product floats on water. This product is volatile and may spread in the atmosphere. High soil mobility.

SECTION 13. DISPOSAL CONSIDERATIONS

- Disposal of Wastes: Do not dump into sewers, on the ground or into any waterways. All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations.
- Contaminated Packaging: Since emptied containers retain product residue, follow label warnings even after container is emptied. Do not cut, drill, grind or weld on or near the container.
- RCRA: A waste containing this product may have the RCRA hazardous waste no. D001 (Ignitable) (40 CFR 261.22).

SECTION 14. TRANSPORT INFORMATION

United States DOT:

- Combustible Liquid (49 CFR 173.120 (b)(2)): Not regulated according to 49 CFR 173.150(f)2: This material is not regulated under 49 CFR if in a container of 119 gallon capacity or less for ground transportation. This exception does not apply to transportation by vessel or aircraft.

IMDG & IATA:

- UN/ID No.: UN1993
- Proper Shipping Name: Flammable liquids, n.o.s., (1-Methoxy 2-Propanol, D'limonene, Naphtha (Petroleum), Heavy Alkylate)
- Hazard Class: 3
- Packing Group: III
- IATA: Quantity limitations, passenger = 60L, cargo =220L
- IMDG: Location A

SECTION 15. REGULATORY INFORMATION

TSCA: All components of this product are on the TSCA inventory or are exempt from TSCA inventory requirements under 40 CFR 720.30.

SARA Section 302: The components of this product are either not regulated or regulated, but present in negligible concentrations.

SARA Section 311/312:

- Immediate (Acute) Health = Yes
- Delayed (Chronic) Health = Yes
- Fire Hazard = Yes
- Reactive Hazard = No

SARA Section 313: This material contains the following chemical components with known CAS numbers subject to reporting requirements (40 CFR 372): Ethylene Glycol Monobutyl Ether CAS# 111-76-2 Reporting Threshold = 1.0%, n-Methyl-2-pyrrolidinone CAS# 872-50-4 Reporting Threshold = 1.0%.

CERCLA: This product does not have a reportable quantity.

United States Right-To-Know: Massachusetts and Pennsylvania – 1-methoxy-2-propanol CAS# 107-98-2, n-methyl pyrrolidinone CAS# 872-50-4.

Proposition 65: This material contains the following ingredients for which the state of California has found to cause cancer, birth defects or other reproductive harm: N-methyl pyrrolidinone CAS# 872-50-4.

RCRA: A waste containing this product may have the RCRA hazardous waste no. D001 (Ignitable)(40 CFR 261.22).

SECTION 16. OTHER INFORMATION

- Carefully read all instructions on label before handling this product.
- Keep out of reach of children.
- "FOR INDUSTRIAL USE ONLY"

The information contained herein is based on data available to us and is believed to be correct. We make no warranty, however, expressed or implied regarding the accuracy of these data or the results obtained from the use thereof.

Regulatory Standards: DOT TITLE 49, Code of Federal Regulations 172.101: Parts 100 to 177, Revised 10/1/92.

SUPER FUND AMENDMENTS REAUTHORIZATION ACT OF 1986, TITLE III TOXIC SUBSTANCE CONTROL ACT LIST (TSCA)- INGREDIENTS LISTED. REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES NATIONAL TOXICOLOGICAL PROGRAM (NTP) REPORT OF CARCINOGENS INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC) MONOGRAPHS, OCCUPATIONAL SAFETY & HEALTH REGULATIONS. CODE OF FED. REGS. FOOD & DRUG, 21 PARTS 170 to 199, Revised 4/1/91, 173.310.