

SECTION I - PRODUCT IDENTIFICATION

Manufacturer: ENVIRONMENTAL INKS & COATINGS Information Phone: 828-433-1922
1 QUALITY PRODUCT RD Emergency Phone: 1-800-368-4657

MORGANTON NC 28655 ! Hazard Ratings: Health - 1
Product Class: WATER BASED INKS AND COATINGS ! none -> extreme Fire - 0
Trade Name : TRANS MIXING-PRINT CLEAN ! 0 ---> 4 Reactivity - 0
Product Code : AWX60-1R !
C.A.S. Number: MIXTURE ! Personal Protection - B
Prepared By : TODD REDMAN
Title : GOVT AFFAIRS COORDINATOR

SECTION II - HAZARDOUS INGREDIENTS

Ingredients	CAS #	Weight %	Exposure Limits	VP
			ACGIH/TLV OSHA/PEL	mm HG
DIMETHYLETHANOLAMINE	108-01-0	3.890	5 ppm	5 ppm
		STEL= 25		25
PROPYLENE GLYCOL	57-55-6	4.985	Undetermined	.1
		STEL= NE		NE

*** ALL Ingredients in this product are listed in the T.S.C.A. Inventory.

* -> These items are listed on the SARA TITLE III Section 313 inventory

SECTION III - PHYSICAL DATA

Boiling Range: 266 - 365 Deg. F Vapor Density: Heavier than Air.
Evap. Rate: 0.01 x n-Butyl Acetate Liquid Density: Lighter than Water.
Appearance: COLORED VISCOUS LIQUID; CHARACTERISTIC ODOR

***** VOC INFORMATION *****

WEIGHT PERCENT OF WATER:	46.46	VOLUME PERCENT OF WATER:	49.03
WEIGHT PERCENT OF VOC'S:	9.88	VOLUME PERCENT OF VOC'S:	12.97
WEIGHT PERCENT OF TNV'S:	43.66	VOLUME PERCENT OF TNV'S:	38.0
LBS OF VOC PER GALLON OF INK LESS WATER:	1.70		
LBS OF VOC PER GALLON OF TNV:	2.29		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flammability Class: III Flash Point: >200 F LEL: NONE

-EXTINGUISHING MEDIA:

Carbon dioxide - Dry chemical - Foam - Water fog
Use water for cooling material stored in vicinity of fire.

-SPECIAL FIREFIGHTING PROCEDURES:

Use self-contained breathing apparatus with a full facepiece
operated in pressure demand or other positive pressure mode.

-UNUSUAL FIRE & EXPLOSION HAZARDS:

Vapors are heavier than air and may travel along the ground to
an ignition source some distance from material handling point.
Ignition sources include pilot lights, smoking, electric motors,
heaters, sparks from electrical switches and static discharges.
CAUTION: Never use cutting torch on empty containers! Residual
solvent vapor in empty container may explode.

SECTION V - HEALTH HAZARD DATA

- PERMISSIBLE EXPOSURE LEVEL:
NOT ESTABLISHED
- EFFECTS OF OVEREXPOSURE:
 - Eyes: can cause irritation, redness, tearing; blurred vision.
 - Skin: prolonged or repeated contact can cause moderate irritation, defatting, dermatitis.
 - Breathing: excessive inhalation of vapors and/or spraymist can cause respiratory irritation, dizziness, weakness, fatigue nausea, headache, unconsciousness and even asphyxiation.
 - Swallowing: can cause gastrointestinal irritation, nausea, vomiting and diarrhea; aspiration of material into the lungs can cause chemical pneumonitis which can be fatal.
- FIRST AID:
 - Eyes: flush with large amounts of water lifting eyelids occasionally; get prompt medical attention.
 - Skin: wash thoroughly with soap and water, remove contaminated clothing promptly; wash clothing before reuse.
 - Swallowing: do NOT induce vomiting! Keep person warm, quiet and get medical attention; aspiration of material into the lungs due to vomiting can cause chemical pneumonitis which can be fatal.
 - Breathing: move affected person to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration. Keep person warm, quiet and get medical attention.

SECTION VI - REACTIVITY DATA

- STABILITY: [] Unstable [x] Stable
- HAZARDOUS POLYMERIZATION: [] May occur [x] will not occur
- INCOMPATIBILITY
 - Avoid contact with strong oxidizers (e.g. nitric acid)
- CONDITIONS TO AVOID:
 - Keep away from heat and open flame.
- HAZARDOUS DECOMPOSITION PRODUCTS:
 - May form carbon monoxide and dioxide, various hydrocarbons, etc.

SECTION VII - SPILL OR LEAK PROCEDURES

- STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
 - SMALL SPILL: absorb liquid with rags, floor absorbent, vermiculite or other absorbent material and transfer to hood.
 - LARGE SPILL: eliminate all ignition sources---dike area of spill to prevent spreading---ventilate area if indoors---pump liquid into salvage tank---remaining liquid may be taken up with sand, floor absorbent or other absorbent material and shoveled into containers---prevent run-off to sewers or bodies of water---notify proper authorities as required by local, state and federal regulations.

SECTION VII - SPILL OR LEAK PROCEDURES (cont.)

- WASTE DISPOSAL METHOD:
No special method. Observe all applicable federal, state, and local regulations regarding the disposal of materials.

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SECTION VIII - SPECIAL PROTECTION INFORMATION:

- RESPIRATORY PROTECTION:
If TLV of the product is exceeded, a NIOSH/MSHA jointly approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators under specified conditions.(see your safety equipmt. supplier). Engineering or administrative controls should be implemented to reduce exposure.
- VENTILATION:
Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV.
- PROTECTIVE GLOVES:
Wear resistant gloves such as: nitrile rubber.
- EYE PROTECTION:
Safety glasses or chemical goggles, depending on exposure.
- OTHER PROTECTIVE EQUIPMENT:
NONE
- ENGINEERING CONTROLS:
NONE

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SECTION IX - SPECIAL PRECAUTIONS

- PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:
NONE
- OTHER PRECAUTIONS:
NONE

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SECTION X - OTHER REGULATORY INFORMATION

- SHIPPING INFORMATION
NONE