

NALDAR

#64

000298

HAZARD RATING



8100 SERIES  
UNIPOL SINGLE-PAK  
GLOSS INK FOR "POLY"

PRODUCT INFORMATION

Unipol is a one-package ink system formulated for the decoration of treated polyethylene, treated polypropylene and some coated metals. Unipol exhibits excellent resistance to a wide range of solvents, chemicals and products normally packaged in "poly" containers. This ink will exhibit good adhesion immediately upon drying while full properties will be achieved in 5 to 7 days. Unipol is not recommended for applications requiring extended outdoor exposure.

COLOR RANGE +

- 8110 Primrose Yellow
- 8111 Lemon Yellow
- 8112 Medium Yellow
- 8119 Fire Red
- 8120 Brilliant Orange
- 8124 Black
- 8126 Mixing Clear
- 8175 Super Opaque White
- 8182 Carmine Toner
- 8183 Magenta Toner
- 8184 Maroon Toner
- 8185 Green Toner
- 8186 Blue Toner (GS)
- 8187 Blue Toner (RS)
- 8188 Violet
- 8130 Thinner
- 8131 Retarder
- SW-37 Screen Wash

APPLICATION INFORMATION:

Substrates: Treated polyethylene, treated polypropylene, some coated metals.  
Note: Pretest for adhesion prior to use in production.

Drying: Unipol inks will air dry in 8-15 minutes depending on ambient conditions. For best results, forced air drying at temperatures of 90-180° is recommended.

Coverage: 1200-1800 square feet per gallon.

Thinners: Unipol inks may be thinned with 8130 Thinner or 8131 Retarder prior to use.

Clears/Extender/Additives: 8126 Mixing Clear may be used to reduce color strength, or as a metallic mixing varnish (use approximately 1-1/2 pounds of gold powder per gallon, or 1/2 to 3/4 pound of aluminum powder per gallon. Only mix quantities of metallics needed for immediate use, due to limited shelf life.

+All colors in accordance with information received from suppliers, made with non-lead compounds.

Fabrics: 280 and finer monofilament meshes.

Stencils: Photographic or water soluble hand cut film.

Wash Up: SW-37 Universal Screen Wash.

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BEFORE USING, USER SHALL DETERMINE THE SUITABILITY OF THE PRODUCT FOR HIS INTENDED USE.

Since Seller exercises no control over Buyer's application or use of the products manufactured by Seller ("products") and since materials used with the products may vary, it is understood that:

- (A) No warranty, either express or implied, is made as to merchantability or fitness of the merchandise for any particular purpose, and seller shall not be liable for any loss or damage, directly or indirectly, arising from the use of the merchandise, or for consequential damages.
- (B) While all data presented in Seller's technical data sheets is based on the best information available to Seller and believed correct, such data is not to be construed as a warranty that the products will conform to such specifications. Such technical data sheets are subject to change without notice.
- (C) The liability of the Seller shall not exceed the purchase price of the products and Buyer shall not be entitled to nor Seller be liable for any consequential, indirect or special damage or damages resulting in any manner.



*Products that perform as promised*  
**THE NAZ-DAR COMPANY**  
1087 N. NORTH BRANCH ST.  
CHICAGO, ILLINOIS 60622  
312/943-8338

**K.C. COATINGS**  
15555 W. 108TH ST.  
LENEXA, KANSAS 66219  
913/492-2600

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**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

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FLAMMABILITY CLASSIFICATION: OSHA - Combustible Liquid Class II  
DOT - Combustible Liquid

FLASH POINT: 101 F (PMCC) LOWER EXPLOSIVE LEVEL: 1.1

EXTINGUISHING MEDIA: Foam - Alcohol Foam - CO2 - Dry Chemical - Water Fog

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Isolate from heat, electrical equipment, sparks and open flame. Closed containers may explode when exposed to extreme heat.

SPECIAL FIREFIGHTING PROCEDURES:

Water may be ineffective, but may be used to cool containers.

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**SECTION V - HEALTH HAZARD DATA**

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EFFECTS OF OVEREXPOSURE:

ACUTE:

SKIN OR EYE CONTACT: Primary irritation.

INHALATION: Symptoms may include respiratory tract irritation or nervous system disorders such as headaches, dizziness, etc.

CHRONIC:

The effects of excessive, long-term exposure to this product have not been fully investigated, but may include injury to the liver, kidneys, blood, or reproductive system.

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE: None known

PRIMARY ROUTES OF ENTRY: Dermal - Inhalation

EMERGENCY AND FIRST AID PROCEDURES:

SKIN CONTACT: Wash with soap and water, contact physician if irritation persists.

EYE CONTACT: Flush well with water, contact physician.

INHALATION: Remove to fresh air, restore breathing, contact physician.

INGESTION: Contact physician immediately.

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**SECTION VI - REACTIVITY DATA**

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STABILITY: Stable

INCOMPATIBILITY WITH MATERIALS: None known

CONDITIONS TO AVOID: N.A.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Monoxide

HAZARDOUS POLYMERIZATION: Will not occur.

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SECTION VII - SPILL OR LEAK PROCEDURES  
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STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Remove all sources of ignition. Ventilate area. Avoid breathing vapors. Use non-sparking tools for removal.

WASTE DISPOSAL METHOD:

Dispose of product in accordance with applicable local, county, state and federal regulations.

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SECTION VIII - SPECIAL PROTECTION INFORMATION  
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RESPIRATORY PROTECTION:

If vapor concentration exceeds the TLV listed in section II, use respirator with chemical filter.

VENTILATION:

As required to keep vapor concentration below the TLV listed in section II.

PROTECTIVE GLOVES:

Impermeable to solvents listed in section II.

EYE PROTECTION:

Splash-proof goggles.

OTHER PROTECTIVE EQUIPMENT:

Impermeable aprons and availability of eye wash are recommended.

HYGIENIC PRACTICES:

Wash hands thoroughly after contact. Smoke in designated areas only.

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SECTION IX - SPECIAL PRECAUTIONS  
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PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

Do not store above 120 F. Store large quantities in buildings designed for storage of NFPA Class II Combustible Liquids.

OTHER PRECAUTIONS:

Avoid prolonged or repeated contact with this product.

The information and recommendations contained herein are based upon data believed to be correct, however, no guarantee or warranty of any kind expressed or implied is made with respect to the information contained herein.

MATERIAL SAFETY DATA SHEET  
ESSENTIALLY SIMILAR TO OSHA-20 FORM  
DATE OF PREP. 11/01/86

SECTION 1

MANUFACTURER:  
K C Coatings, Inc.  
15555 W. 108th St.  
Lenexa, KS 66219

EMERGENCY TELEPHONE NUMBER: (913)492-2600  
INFORMATION TELEPHONE NUMBER: (913)492-2600

PRODUCT CLASS: Urea-Formaldehyde Resin Screen Ink

TRADE NAME: B100 Series Unipol Single-Pak

PRODUCT CODES:

B1- 10,11,12,19,20,24,26,75  
82,83,84,85,86,87,88

SECTION II-HAZARDOUS INGREDIENTS

INGREDIENT	PERCENT (WT.)	OCCUPATIONAL EXPOSURE LIMITS		VAPOR PRESSURE (mmHg @ 20 C)
		TLV-TWA	PEL-TWA	
2-Butoxyethanol	5	25ppm	50ppm	0.6
n-Butanol	5	50ppm (Ceiling)	100ppm	7
2-Propoxyethanol	15 - 25	N.E.	N.E.	1.3
1-Methoxy-2-Propanol	5 - 15	N.E.	N.E.	12.5 @ 25 C
Organic Acid	<5	N.E.	N.E.	N.E.

N.E. - Not Established

SECTION III - PHYSICAL DATA

BOILING RANGE: 245 - 340 F

VAPOR DENSITY: Heavier than air

EVAPORATION RATE: Slower than ether

PERCENT VOC BY VOLUME: 45 - 55

WEIGHT PER GALLON: 8.3 - 12.2 lbs.