

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

MANUFACTURER: Arro-Mark Company, L.L.C. 24 HOUR EMERGENCY TELEPHONE  
CHEMTREC 800-424-9300

ADDRESS: 158 West Forest Avenue  
Englewood, NJ 07631 USA TELEPHONE NO. FOR INFORMATION  
888-440-ARRO

TELEPHONE: (201) 567-4112

IDENTITY: Water Based Marking Ink PRODUCT CLASS: Water Based Marking Ink  
ITEM NO: XV-12423 OTHER NAMES: Permanent MM Marking Ink  
COLOR: Yellow  
DATE PREPARED: April 2, 2012

**SECTION 2. COMPOSITION INFORMATION ON INGREDIENTS**

| <b>Ingredient</b>         | <b>CAS No.</b> | <b>OSHA PEL</b> | <b>ACGIH-TLV</b> | <b>Recommended</b> | <b>%</b> |
|---------------------------|----------------|-----------------|------------------|--------------------|----------|
| Water                     | 7732-18-5      | No Data         | No Data          | No Data            | 55-60    |
| Titanium Dioxide          | 13463-67-7     | TWA 10mg/m3     | TWA 10mg/m3      | No Data            | 15-20    |
| Yellow                    | 5567-15-7      | No Data         | No Data          | No Data            | 25-30    |
| Ethoxylated Oleyl Alcohol | 9004-98-2      | No Data         | No Data          | No Data            | 8-10     |
| Triethylamine             | 121-44-8       | No Data         | No Data          | No Data            | .30      |
| Amorphous Silica          | 112926-00-8    | No Data         | No Data          | No Data            | 2-4      |
| Glycerin                  | 56-81-5        | No Data         | No Data          | No Data            | 2-3      |
| Acrylic Copolymer         | 8259P          | No data         | No Data          | No Data            | 10-15    |
| Vinyl Acetate             | 108-05-4       | 10 ppm          | 10 ppm           | No Data            | 9-12     |

**SECTION 3. HAZARDS IDENTIFICATION**

EMERGENCY OVERVIEW: **Odorless Water Base Paint.**

**HEALTH HAZARDS**

INGESTION: No significant signs of symptoms indicative of any adverse health effects are expected to occur at standard conditions.

EYES CONTACT: No significant signs of symptoms indicative of any adverse health effects are expected to occur at standard conditions.

SKIN ABSORPTION: Although no appropriate human or animal health effects data are known to exist, this material is not expected to be a health hazard by skin absorption.

INHALATION: No significant signs of symptoms indicative of any adverse health effects are expected to occur at standard conditions.

CHRONIC EXPOSURE: This material or its emissions may aggravate pulmonary/bronchial disease and/or cause breathing difficulty.

#### **SECTION 4. FIRST AID MEASURES**

**INHALATION:** Remove victim to fresh air. If a cough or other respiratory symptoms develop, consult medical personnel.

**SKIN CONTACT:** Wash off skin with plenty of soap and water. If redness, itching or a burning sensation develops, get medical attention. Wash contaminated clothing and decontaminate footwear before reuse.

**EYE CONTACT:** Immediately flush with plenty of water for at least 15 minutes. If redness, itching or a burning sensation develops have eyes examined and treated by medical personnel.

**INGESTION:** **DO NOT INDUCE VOMITING.** Give one or two glasses of water to drink and refer to medical personnel or take direction from either a physician or a poison control center. Never give anything by mouth to an unconscious person.

#### **SECTION 5. FIRE FIGHTING MEASURES**

**FLASH POINT:** No Data.

**AUTOIGNITION TEMP:** No Data.

**FLAMMABLE LIMITS:** No Data.

**EXTINGUISHING MEDIA:** Use water spray, water fog, foam, carbon dioxide, and dry chemical.

**FIRE AND EXPLOSION HAZARDS:** On exposure to high temperatures, product may decompose, releasing toxic or flammable vapors.

#### **SECTION 6. ACCIDENTAL RELEASE MEASURES**

**PERSONAL PRECAUTIONS:** Wear skin, eye and respiratory protection during cleanup.

**METHOD FOR CLEANING UP:** Contain spill. Soak up material with absorbent and shovel into a chemical waste container.

#### **SECTION 7. HANDLING AND STORAGE**

**HANDLING:** Avoid breathing vapors. Prevent skin and eye contact. Normal chemical handling and storage. This product, which is an aqueous dispersion of a polymer, may be difficult to remove without injuring the skin if allowed to dry.

**STORAGE REQUIREMENTS:** Keep container tightly sealed. Store in a cool, well ventilated area away from heat, sources of ignition, direct sunlight, and incompatible materials. Keep from freezing.

#### **SECTION 8. EXPOSURE CONTROL/PERSONAL PROTECTION**

**EYE PROTECTION:** None should be needed for normal use. Avoid eye contact.

**SKIN PROTECTION:** None should be needed for normal use. Avoid repeated or prolonged contact with skin. Wear impervious gloves if needed to prevent possible skin irritation.

**RESPIRATORY PROTECTION:** None should be needed for normal use.

**VENTILATION:** No special ventilation is normally required.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Not usually necessary.

WORK/HYGENIC PRACTICES: Follow label instructions.

## **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

|                       |                          |                           |                    |
|-----------------------|--------------------------|---------------------------|--------------------|
| BOILING POINT:        | >100°C (>212°F)          | pH:                       | 8.0 to 9.0         |
| FREEZING POINT:       | No Data                  | DRY POINT:                | No Data            |
| SPECIFIC GRAVITY:     | (H2O=1 at 39.2F) 1 g/ m1 | VOLATILE CHARACTERISTICS: | >75%               |
| VISCOSITY UNITS TEMP: | No Data                  | SOLUBILITY IN WATER:      | Completely soluble |
| VAPOR PRESSURE:       | No Data                  | STABILITY:                | Stable             |
| VAPOR SP GRAVITY:     | No Data                  | HAZARDOUS POLYMERIZATION: | Will not occur     |
| (Air = 1 at 60 – 90F) |                          |                           |                    |

APPEARANCE AND ODOR: Paint; thin viscosity, odorless.

CONDITIONS AND MATERIALS TO AVOID: Contact with oxidizers may cause low energy release.

HAZARDOUS DECOMPOSITION PRODUCTS: Acrid smoke-fumes/carbon monoxide/carbon dioxide.

## **SECTION 10. STABILITY AND REACTIVITY**

|                                   |                                     |
|-----------------------------------|-------------------------------------|
| CONDITIONS TO AVOID:              | No known conditions of instability. |
| MATERIALS TO AVOID:               | Strong oxidizers.                   |
| HAZARDOUS DECOMPOSITION PRODUCTS: | Carbon oxides.                      |
| HAZARDOUS REACTIONS:              | Not known to occur                  |

## **SECTION 11. TOXICOLOGICAL INFORMATION**

Please refer to Section 3 for available information on potential health effects.

None of the components of this product are listed as a carcinogen or suspected carcinogen or is considered a reproductive hazard.

## **SECTION 12. ECOLOGICAL INFORMATION**

No data is currently available.

## **SECTION 13. DISPOSAL CONSIDERATIONS**

**Waste Disposal Method:** Discard empty container in trash. Dispose in accordance with federal, state and local regulations.

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## **SECTION 14. TRANSPORT INFORMATION**

**Proper Shipping Name:** Not regulated by US DOT.

## **SECTION 15. REGULATORY INFORMATION**

**TSCA Status:** All components of this product are listed, or excluded from listing on the United States Environmental protection Agency Toxic Substances Control Act (TSCA) inventory.

**California Proposition 65:** This product is not known to contain any chemicals known to the State of California to cause cancer or birth defects or other reproductive harm.

|                              |                     |                           |
|------------------------------|---------------------|---------------------------|
| <b>International Status:</b> | Australia (AICS)    | Not included on inventory |
|                              | Canada (DSL)        | Not included on inventory |
|                              | China (CECS)        | Included on inventory     |
|                              | Europe (EINECS)     | Polymer                   |
|                              | Japan (ENCS)        | Included on inventory     |
|                              | Korea (ECL)         | Not included on inventory |
|                              | Phillipines (PICCS) | Not included on inventory |

## **SECTION 16. OTHER INFORMATION**

HMIS and NFPA Ratings: 1 (Health), 0 (Flammability), 0 (Reactivity), B (Personal Protection) (4=extreme, 3=high, 2=moderate, 1=slight, 0=least) (B=gloves & safety glasses).

This information provided in the Material Safety Data Sheet has been compiled from our experience and data with similar commercially available materials and is believed to be accurate. No guarantee of accuracy is made. It is the user's responsibility to determine the suitability of this information for the adoption of necessary safety precautions and disposal procedures. THE MANUFACTURER AND DISTRIBUTOR SHALL BE IN NO WAY RESPONSIBLE FOR THE IMPROPER USE OF THIS PRODUCT.