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**MATERIAL SAFETY DATA SHEET**MSDS #: **00021**

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Identity: **AD MARKER - STANDARD COLORS, MANGA, BLENDER, FURNITURE, FRAME,  
And FINE POINT**

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**Section I**

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*Supplier Information:*Name: **Chartpak**  
Address: **One River Road**  
City: **Leeds**  
State: **MA 01053**Emergency Telephone Number  
**800-424-9300**  
Telephone Number for Information  
**413-584-5446**  
Chemtrec  
**1-800-424-9300**  
Date Prepared: **May 18, 2011***Other Information:*

NA = NOT APPLICABLE OR NOT AVAILABLE

REVISION: **05**

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**Section II - Hazardous ingredients/Identity Information**

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Hazardous Components (Spec., Chem., Ident.; Common Name)	OSHA PEL	ACGIH TLV	CAS #	% (opt.)
<b>NONYLPHENOL</b>	<b>NE</b>	<b>NE</b>	<b>25154-52-3</b>	<b>10.0</b>
<b>XYLENE</b>	<b>100PPM</b>	<b>100PPM</b>	<b>01330-20-7</b>	<b>94.0</b>

ABOVE % ARE A MAX. VALUE IN RANGE

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**Section III - Physical/Chemical Characteristics**

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Boiling Point

**279.00° F****137.22° F****760.00 MM HG**

Vapor Pressure (mm Hg)

**5.10 MM HG****68.00° F****20.00° C**

Vapor Density (AIR = 1)

**<1**

Solubility in Water

**NA**

Specific Gravity (H2O = 1)

Melting Point

**NA**

Evaporation Rate (Butyl Acetate = 1)

**<1**

Appearance and Odor

**COLORED LIQUID, AROMATIC ODOR**

Other Information

**NONE**

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#### Section IV - Fire and Explosion Hazard Data

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Flash Point (Method Used) TCC

**80°F**

Flammable Limits

**LEL NA**

**UEL NA**

Extinguishing Media

**CARBON DIOXIDE EXTINGUISHER**

Special Fire Fighting Procedures

**NONE**

Unusual Fire and Explosion Hazards

**NONE**

Other Information

**NONE**

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#### Section V - Reactivity Data

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Stability --> STABLE

Conditions to Avoid

**NONE**

Incompatibility (Materials to Avoid)

**NONE**

Hazardous Decomposition or Byproducts

**NONE**

Hazardous Polymerization --> **WILL NOT OCCUR**  
Conditions to Avoid  
**NONE**

Other Information  
**NONE**

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**Section VI - Health Hazard Data**

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Routes of Entry: Inhalation? **YES**      Skin? **YES**      Ingestion? **NO**

Health Hazards (Acute and Chronic)

**CHARTPAK MARKERS ARE INTENDED FOR USE AS GRAPHIC ARTS PENS  
OR ARTIST MARKERS. INTENTIONAL MISUSE OR ABUSE BY CONCENTRATION  
OF VAPORS OR BY INGESTION COULD BE HARMFUL OR FATAL.**

Carcinogenicity: NTP? **NO**      IARC Monographs? **NO**      OSHA Regulated? **NO**

Signs and Symptoms of Exposure  
**VARIES BUT USUALLY DIZZINESS.**

Medical Conditions Generally Aggravated by Exposure  
**NOT KNOWN**

Emergency and First Aid Procedures  
**WASH EYES AND SKIN WITH COPIOUS AMOUNTS OF WATER.**

Other Information  
**NONE**

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**Section VII - Precautions for Safe Handling and Use**

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Steps to be Taken in Case Material is Released or Spilled  
**NA**

Waste Disposal Method  
**DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS**

Precautions to be Taken in Handling or Storage  
**KEEP IN COOL DRY PLACE.**

Other Precautions  
**NONE**

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**Section VIII - Control Measures**

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Respiratory Protection (Specify Type)  
**NA**

Ventilation:

Local Exhaust  
**NA**

Mechanical (General)  
**NA**

Protective Gloves  
**NA**

Other Protective Clothing or Equipment  
**NA**

Work/Hygienic Practices  
**NA**

Other Information  
**NA**

Special  
**NA**

Other  
**NA**

Eye Protection  
**NA**

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**Section IX - Additional Information**

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Additional Information

**THE INFORMATION PROVIDED ABOVE IS OBTAINED FROM OUR RAW MATERIALS SUPPLIERS  
AND TO THE BEST OF OUR KNOWLEDGE IS CORRECT.**