

21303-XXXX

22184-XXXX

**MATERIAL SAFETY DATA SHEET**

MSDS #: 00021

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

**Section I***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

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

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

**Section III - Physical/Chemical Characteristics**

Boiling Point <b>279.00° F</b> <b>137.22° F</b> <b>760.00 MM HG</b>	Specific Gravity (H2O = 1)
Vapor Pressure (mm Hg) <b>5.10 MM HG</b> <b>68.00° F</b> <b>20.00° C</b>	Melting Point <b>NA</b>
Vapor Density (AIR = 1) <b>&lt;1</b>	Evaporation Rate (Butyl Acetate = 1) <b>&lt;1</b>
Solubility in Water <b>NA</b>	

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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**

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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.**