HUMISEAL® DIV. OF CHASE CORP.
MATERIAL SAFETY DATA SHEET

Product: HUMISEAL THINNER 521

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURED BY: HUMISEAL DIVISION OF CHASE CORP.
201 ZETA DRIVE
PITTSBURGH, PA 15238

GENERAL INFORMATION: 866-932-0800

EMERGENCY, CHEMTREC: 800-424-9300, Only in the event of chemical emergencies involving a spill, leak, fire,
exposure or any accident involving chemicals.

REVISION DATE: 09/29/10
PREPARED BY: B. RADMARD

2. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>CAS NUMBER</th>
<th>IDENTIFICATION</th>
<th>APP. % BY WGT.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1330-20-7</td>
<td>XYLENE</td>
<td>80</td>
</tr>
<tr>
<td>100-41-4</td>
<td>ETHYL BENZENE</td>
<td>15</td>
</tr>
<tr>
<td>108-88-3</td>
<td>TOLUENE</td>
<td>5</td>
</tr>
</tbody>
</table>

3. HAZARDOUS IDENTIFICATION

HAZARDOUS POLYMERIZATION: Will Not Occur

ROUTES OF EXPOSURE: Inhalation, Skin, Eyes and Ingestion.

IMMEDIATE EFFECTS:

INHALATION: Causes irritation of nasal passages and throat. Causes stupor (central nervous system depression).

SKIN CONTACT: Can cause moderate skin injury (reddenning and swelling). Repeated or prolonged contact can cause
drying of skin and dermatitis.

EYE CONTACT: Liquid and vapors are irritating to eyes. Can cause severe injury.

INGESTION: Can cause mental sluggishness.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

Significant exposure to these chemicals may adversely affect people with chronic disease of the respiratory system, skin,
central nervous system and/or eyes.

4. FIRST AID MEASURES

GENERAL ADVICE: Consult Physician immediately.

INHALATION: Remove victim to fresh air and provide oxygen if breathing is difficult.

SKIN CONTACT: Flush with water while removing contaminated clothing. Wash skin with soap and water.

EYE CONTACT: Remove contact lenses. Flush eye thoroughly with running water. If irritation persists, see a
Physician
INGESTION: Do not induce vomiting. If vomiting occurs spontaneously keep head below hips to prevent aspiration into lungs, which may be fatal. Contact Physician immediately.

5. FIRE FIGHTING MEASURES
SUITABLE EXTINGUISHING MEDIA: Foam, Carbon Dioxide or dry chemical. Use self-contained breathing apparatus if applicable.

6. ACCIDENTAL RELEASE MEASURES
PRECAUTIONS FOR PERSONNEL: Wear protective clothing. Use self-contained breathing apparatus if required.
ENVIRONMENTAL PRECAUTIONS: Avoid discharge to drains, sewers and natural water supply.
PROCESS FOR CLEANING: Absorb with inert material. Remove sources of ignition. Scoop material with non-sparking tools.

7. HANDLING AND STORAGE
HANDLING: Ventilate work area sufficiently. Keep containers closed. Avoid contact with eyes, skin and clothing.
STORE: Store between -15°C and +35°C for solvent based coatings and thinners. Do not allow water based coatings or thinners to freeze. Allow all coatings/thinners to reach process temperature before using (wait 24 hrs. or more to allow temperature equalization if necessary). Ground all metal containers. 55-gallon drums may be stored on their sides in a cradle designed for this purpose.

8. EXPOSURE RESTRICTIONS AND PERSONAL PROTECTION
MATERIALS WITH LIMITS THAT REQUIRE SUPERVISION:

<table>
<thead>
<tr>
<th>CAS NUMBER</th>
<th>IDENTIFICATION</th>
<th>APP. % BY WGT.</th>
<th>NIOSH REL</th>
<th>VALUE</th>
<th>UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>1330-20-7</td>
<td>XYLENE</td>
<td>80</td>
<td>TWA</td>
<td>100/435 ppm/(mg/m3)</td>
<td></td>
</tr>
<tr>
<td>100-41-4</td>
<td>ETHYL BENZENE</td>
<td>15</td>
<td>TWA</td>
<td>100/435 ppm/(mg/m3)</td>
<td></td>
</tr>
<tr>
<td>108-88-3</td>
<td>TOLUENE</td>
<td>5</td>
<td>TWA</td>
<td>200 C 300 ppm/(mg/m3)</td>
<td></td>
</tr>
</tbody>
</table>

ADDITIONAL ADVICE: Use personal protective equipment, i.e., suitable work clothing, eye goggles and protective gloves. If spraying utilize protective facemask.

9. PHYSICAL PROPERTIES
ODOR: AROMATIC

<table>
<thead>
<tr>
<th>CHANGE OF STATE</th>
<th>VALUE/AREA</th>
<th>UNIT</th>
<th>METHOD</th>
</tr>
</thead>
<tbody>
<tr>
<td>FREEZING POINT</td>
<td>N/A</td>
<td>°C</td>
<td></td>
</tr>
<tr>
<td>BOILING POINT</td>
<td>137</td>
<td>°C</td>
<td></td>
</tr>
<tr>
<td>FLASH POINT</td>
<td>27 (80)</td>
<td>°C  (°F)</td>
<td>TCC</td>
</tr>
<tr>
<td>IGNITION TEMPERATURE:</td>
<td>.87</td>
<td>H2O = 1</td>
<td>%</td>
</tr>
<tr>
<td>SPECIFIC GRAVITY:</td>
<td>100</td>
<td>NEGLIGIBLE</td>
<td></td>
</tr>
<tr>
<td>SOLUBILITY IN WATER:</td>
<td></td>
<td>NEGLIGIBLE</td>
<td></td>
</tr>
<tr>
<td>PH VALUE:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>VISCOSITY:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FLAMMABLE LIMITS:</td>
<td>LEL 0.9 UEL 6.8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EVAPORATION RATE:</td>
<td>.60</td>
<td>BUAC = 1</td>
<td></td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY
STABILITY: Stable
CONDITIONS TO AVOID: Freezing, Sparks and Open Flame.
MATERIALS TO AVOID: Contact with strong oxidizing, acidic or alkaline agents.
DECOMPOSITION PRODUCTS: Carbon Monoxide, Carbon Dioxide and Oxides of Nitrogen.
EYES: Splashes or spray vapors may cause irritation.

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11. TOXICOLOGICAL INFORMATION

ACUTE ORAL LD: (mg/kg) : LD(50) (RATS) : 5g/kg
ACUTE DERMAL: 50 (mg/kg) : LD (50) (RABBITS):>2000mg/kg
ACUTE INHALATION: 50 (mg/l)

12. ECOLOGICAL INFORMATION

VOLATILE ORGANIC COMPOUNDS: 868 Grams Per Liter (g/l). Pounds Per Gallon (lb/g).

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Disposal should be made in accordance with Federal, State and Local regulations.

14. TRANSPORT INFORMATION

SHIPPING CLASS: UN1263 PAINT RELATED MATERIAL FLAMMABLE LIQUID
Class 3 ; PG III

15. REGULATORY INFORMATION

SARA SECTION 302:
SARA (311,312) HAZARD CLASS:
SARA (313) CHEMICALS: TOLUENE, ETHYLBENZENE, XYLENE
CERCLA: TOLUENE, 1000 LBS., XYLENE, 1000 LBS., ETHYL BENZENE; 1000 LBS.
CPSC CLASSIFICATION:
HMIS: FLAMMABILITY: 3 REACTIVITY: 0 HEALTH: 3
NFPA: FLAMMABILITY: 3 REACTIVITY: 0 HEALTH: 3

CALIFORNIA PROPOSITION 65:
A. This product contains a chemical known to the State of CA to cause birth defects or other reproductive harm.
B. This product contains a chemical known to the State of CA to cause cancer.
C. This product contains a chemical known to the State of CA to cause cancer and birth defects or other reproductive harm.

ECCN: EAR99

16. OTHER INFORMATION

THIS DATA IS OFFERED IN GOOD FAITH AS TYPICAL VALUES AND ARE NOT A PRODUCT SPECIFICATION. NO WARRANTY, EITHER EXPRESSED OR IMPLIED IS MADE. THE STATED RECOMMENDED HANDLING PROCEDURES ARE BELIEVED TO BE GENERALLY APPLICABLE. HOWEVER, EACH USER SHOULD REVIEW THESE RECOMMENDATIONS IN THE SPECIFIC CONTEXT OF THE INTENDED USE.

C = Ceiling Limit, NEGL = Negligible, N/A = Not Applicable, N/E = Not Established, PROP. = Proprietary.