

**HUMISEAL<sup>®</sup> 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**

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

**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 (reddening 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

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**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.

**STORAGE:** 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:**

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

**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

<u>CHANGE OF STATE</u>	<u>VALUE/AREA</u>	<u>UNIT</u>	<u>METHOD</u>
<b>FREEZING POINT:</b>	N/A	°C	
<b>BOILING POINT:</b>	137	°C	
<b>FLASH POINT:</b>	27 (80)	°C (°F)	TCC
<b>IGNITION TEMPERATURE:</b>			
<b>SPECIFIC GRAVITY:</b>	.87	H <sub>2</sub> O = 1	
<b>% VOLATILE BY VOLUME:</b>	100	%	
<b>SOLUBILITY IN WATER:</b>	NEGLIGIBLE		
<b>PH VALUE:</b>			
<b>VISCOSITY:</b>		CPS	
<b>FLAMMABLE LIMITS:</b>	LEL 0.9 UEL 6.8		
<b>EVAPORATION RATE:</b>	.60	BUAC = 1	

**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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SKIN: Substance may be an irritant for sensitive skin.  
INHALATION: May cause mild nausea/dizziness in some people when used in confined/unventilated areas. Move patient to fresh air. Give nothing by mouth.  
CONSUMPTION: If accidentally swallowed may cause discomfort and requires plenty of water or milk to dilute. Do not induce vomiting. Seek medical assistance.

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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) :  
OTHER:

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**12. ECOLOGICAL INFORMATION**

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

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**13. DISPOSAL CONSIDERATIONS**

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

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**14. TRANSPORT INFORMATION**

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

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**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

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**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.

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