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SECTION I - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Barge All Purpose Toluene Free

MANUFACTURER'S NAME: Slocum Adhesives Corp.  
ADDRESS : 2500 Carroll Avenue  
Lynchburg, VA 24501EMERGENCY PHONE : 800-424-9300 (CHEMTREC)      DATE PRINTED : 9/21/2010  
INFORMATION PHONE : 434-847-5671              DATE REVISED : 08/19/10=====  
SECTION II - COMPOSITION / INFORMATION ON INGREDIENTS

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESS.	WT. %
* Cyclohexane	110-82-7	104.0	35 - 60%
OSHA PEL: 300 ppm			
ACGIH TLV: 300 ppm TWA			
Methyl Ethyl Ketone	78-93-3	81.8	22 - 40%
OSHA PEL: 200 ppm			
ACGIH TLV: 200 ppm TWA			
Acetone	67-64-1	182.0	1 - 7%
OSHA PEL: 1000 ppm			
ACGIH TLV: 500 ppm TWA			

\* Indicates toxic chemical(s) subject to the reporting requirements of 313 of Title III.

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SECTION III - HAZARDS IDENTIFICATION

## ROUTES OF ENTRY:

Inhalation, skin absorption, ingestion.

## INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

Breathing high concentrations of vapors may cause irritation of the nose and throat or signs of nervous system depression (i.e. - headache, nausea, drowsiness, dizziness, vomiting, loss of coordination and fatigue).

## EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

May cause mild eye irritation. Direct contact with liquid or vapors may cause stinging, tearing, redness, swelling, and eye damage.

## SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

This material may cause mild skin irritation. Prolonged or repeated contact or exposure to vapors may cause redness, burning, and drying and cracking of the skin.

## INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

Ingestion may cause irritation of the digestive tract, nausea, vomiting, and signs of nervous system depression.

## MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

Pre-existing eye, skin, or respiratory disorders may be aggravated by exposure

to this product.

=====**SECTION IV - FIRST AID MEASURES**

**EMERGENCY AND FIRST AID PROCEDURES:**

**SKIN:** In case of contact, immediately flush skin with plenty of soap and water for at least 15 minutes. Remove contaminated clothing and wash affected areas thoroughly with mild soap. If irritation develops, seek medical attention.

**EYES:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

**INHALATION:** If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Get medical attention.

**INGESTION:** Get medical attention. If vomiting occurs, keep head lower than hips to prevent aspiration.

=====**SECTION V - FIRE FIGHTING MEASURES**

**FLASH POINT(°F):** -4

**METHOD USED:** TCC

**FLAMMABLE LIMITS IN AIR (% BY VOL):** LOWER: 1.30      UPPER: 12.80

**EXTINGUISHING MEDIA:** Carbon dioxide, Dry chemicals, Foam.

**SPECIAL FIREFIGHTING PROCEDURES**

The use of self-contained breathing apparatus is recommended for fire fighters. Water may be unsuitable as an extinguishing medium, but helpful in keeping adjacent containers cool; avoid spreading the liquid with water used for cooling.

=====**SECTION VI - ACCIDENTAL RELEASE MEASURES**

Keep sources of ignition isolated from spill. Stop spill/release if it can be done without risk. Wear appropriate protective equipment including respiratory protection as conditions warrant and stay upwind. Prevent material from entering sewers, storm drains, or other natural waterways. Dike far ahead of spill for later recovery or disposal. Spilled material may be absorbed into an appropriate absorbent material. Immediate clean-up of any spill is recommended. Notify fire authorities and appropriate federal, state, and local agencies.

=====**SECTION VII - HANDLING AND STORAGE**

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING**

Avoid extremes of heat or cold. Keep product containers closed when not in use. Use and store material in well-ventilated areas away from open flames, heat, hot metal surfaces, and other potential sources of ignition. Bond and ground equipment when transferring from one vessel to another. Store only in approved containers. Personal contact and inhalation should be avoided.

=====**SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION**

**RESPIRATORY PROTECTION:**

Use approved NIOSH respiratory protection if TLV is exceeded or if overexposure is likely.

**VENTILATION:**

Mechanical ventilation.

**PROTECTIVE GLOVES:**

Impermeable gloves.

**EYE PROTECTION:**

Wear safety glasses or goggles to protect against exposure.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:**

May use impermeable apron as needed, eye washes, and safety showers.

**===== SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES**

BOILING POINT(°F): 133

SPECIFIC GRAVITY: .8626

VAPOR DENSITY: Heavier than air.

WEIGHT PER GAL.: 7.1823 lb/gal

EVAPORATION RATE: Faster than nBuAc.

SOLUBILITY IN WATER: Insoluble.

ODOR: Solvent odor.

APPEARANCE: Yellow liquid.

VOLATILE (WT.%): 75.5672%

VOC CONTENT: Not available.

**===== SECTION X - STABILITY AND REACTIVITY**

The information contained herein is based on the data available to us and is believed to be correct. However, Slocum Adhesives Corporation makes no warranty, expressed or implied, regarding the accuracy of these data or the results to be obtained from the use thereof. Slocum Adhesives Corporation assumes no responsibility for injury from the use of the product described herein.

**STABILITY:**

Stable.

**CONDITIONS TO AVOID:**

Avoid extremes of heat or cold.

**INCOMPATIBILITY (MATERIALS TO AVOID):**

Incompatible with alkali metals, halogens, and strong acids or bases.

**HAZARDOUS DECOMPOSITION OR BYPRODUCTS:**

Carbon monoxide, carbon dioxide, smoke, and other unidentified organic compounds may be formed during combustion.

**HAZARDOUS POLYMERIZATION:**

Will not occur.

**===== SECTION XI - TOXICOLOGICAL INFORMATION**

CARCINOGENICITY: NTP CARCINOGEN: No.

IARC MONOGRAPHS: No.

OSHA REGULATED: No.

METHYLENE CHLORIDE?: No special warnings.

**===== SECTION XII - ECOLOGICAL INFORMATION**

Not available.

**===== SECTION XIII - DISPOSAL CONSIDERATIONS**

Not available.

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SECTION XIV - TRANSPORTATION INFORMATION

Not available.

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SECTION XV - REGULATORY INFORMATION

NFPA CODES:   H F R P  
                  1 3 0 B

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SECION XVI - OTHER INFORMATION

Not available.

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SECTION I - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Barge All Purpose Toluene tubes: 2 ounce and ¼ ounce

MANUFACTURER'S NAME: Slocum Adhesives Corp.  
ADDRESS : 2500 Carroll Avenue  
Lynchburg, VA 24501EMERGENCY PHONE : 800-424-9300 (CHEMTREC)                      DATE PRINTED : 9/21/2010  
INFORMATION PHONE : 434-847-5671                                      DATE REVISED : 04/06/10=====  
SECTION II - COMPOSITION / INFORMATION ON INGREDIENTS

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESS.	WT. %
n-Propyl Acetate	109-60-4	26.25	35 - 60%
OSHA PEL: 200 ppm			
ACGIH TLV: 200 ppm TWA			
Heptane	142-82-5	36.4	12 - 25%
OSHA PEL: 500 ppm			
ACGIH TLV: 400 ppm TWA			
METHYL ACETATE	79-20-9	171	12 - 25%
OSHA PEL: 200 ppm			
ACGIH TLV: 200 ppm TWA			

No SARA Title III, Section 313 reportable components.

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SECTION III - HAZARDS IDENTIFICATION

## ROUTES OF ENTRY:

Inhalation, skin absorption, ingestion.

## INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

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May cause mild eye irritation. Direct contact with liquid or vapors may cause stinging, tearing, redness, swelling, and eye damage.

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This material may cause mild skin irritation. Prolonged or repeated contact or exposure to vapors may cause redness, burning, and drying and cracking of the skin.

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Ingestion may cause irritation of the digestive tract, nausea, vomiting, and signs of nervous system depression.

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**EYES:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

**INHALATION:** If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Get medical attention.

**INGESTION:** Get medical attention. If vomiting occurs, keep head lower than hips to prevent aspiration.

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**SECTION V - FIRE FIGHTING MEASURES**

**FLASH POINT(°F):** 30

**METHOD USED:** Tag closed

**FLAMMABLE LIMITS IN AIR (% BY VOL):** LOWER: 1.90      UPPER: 11.60

**EXTINGUISHING MEDIA:** Carbon dioxide, Dry chemicals, Foam.

**SPECIAL FIREFIGHTING PROCEDURES**

The use of self-contained breathing apparatus is recommended for fire fighters. Water may be unsuitable as an extinguishing medium, but helpful in keeping adjacent containers cool; avoid spreading the liquid with water used for cooling.

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**SECTION VI - ACCIDENTAL RELEASE MEASURES**

Keep sources of ignition isolated from spill. Stop spill/release if it can be done without risk. Wear appropriate protective equipment including respiratory protection as conditions warrant and stay upwind. Prevent material from entering sewers, storm drains, or other natural waterways. Dike far ahead of spill for later recovery or disposal. Spilled material may be absorbed into an appropriate absorbent material. Immediate clean-up of any spill is recommended. Notify fire authorities and appropriate federal, state, and local agencies.

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**SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION**

**RESPIRATORY PROTECTION:**

Use approved NIOSH respiratory protection if TLV is exceeded or if overexposure is likely.

**VENTILATION:**

Mechanical ventilation.

**PROTECTIVE GLOVES:**

Impermeable gloves.

**EYE PROTECTION:**

Wear safety glasses or goggles to protect against exposure.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:**

May use impermeable apron as needed, eye washes, and safety showers.

**===== SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES**

BOILING POINT(°F): 135

SPECIFIC GRAVITY: .9225

VAPOR DENSITY: Heavier than air.

WEIGHT PER GAL.: 7.6811 lb/gal

EVAPORATION RATE: Faster than nBuAc.

SOLUBILITY IN WATER: Insoluble.

ODOR: Solvent odor.

APPEARANCE: Amber-colored liquid.

VOLATILE (WT.%): 69.3878%

VOC CONTENT: Not available.

**===== SECTION X - STABILITY AND REACTIVITY**

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**STABILITY:**

Stable.

**CONDITIONS TO AVOID:**

Avoid extremes of heat or cold.

**INCOMPATIBILITY (MATERIALS TO AVOID):**

Incompatible with alkali metals, halogens, and strong acids or bases.

**HAZARDOUS DECOMPOSITION OR BYPRODUCTS:**

Carbon monoxide, carbon dioxide, smoke, and other unidentified organic compounds may be formed during combustion.

**HAZARDOUS POLYMERIZATION:**

Will not occur.

**===== SECTION XI - TOXICOLOGICAL INFORMATION**

CARCINOGENICITY: NTP CARCINOGEN: No.

IARC MONOGRAPHS: No.

OSHA REGULATED: No.

METHYLENE CHLORIDE?: No special warnings.

**===== SECTION XII - ECOLOGICAL INFORMATION**

Not available.

**===== SECTION XIII - DISPOSAL CONSIDERATIONS**

Not available.

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SECTION XIV - TRANSPORTATION INFORMATION

Not available.

=====  
SECTION XV - REGULATORY INFORMATION

NFPA CODES:   H F R P  
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SECION XVI - OTHER INFORMATION

Not available.