Section 1: Product and Company Identification

Product Name: Histomount™
Synonym: Aromatic hydrocarbons.
Company Name
Ted Pella, Inc., P.O. Box 492477, Redding, CA 96049-2477
Inside USA and Canada 1-800-237-3526 (Mon-Thu. 6:00AM to 4:30PM PST; Fri 6:00AM to 4:00PM PST)
Outside USA and Canada 1-530-243-2200 (Mon-Thu. 6:00AM to 4:30PM PST; Fri 6:00AM to 4:00PM PST)
CHEMTREC USA and Canada Emergency Contact Number 1-800-424-9300 24 hours a day
CHEMTREC Outside USA and Canada Emergency Contact Number +1-703-741-5970 24 hours a day

Section 2: Hazard Identification

2.1 Classification of the substance or mixture

GHS Pictograms

- Flammable
- Irritant
- Health Hazard

GHS Categories
GHS02 - Flammable
  Flammable Liquids 3  H226: Flammable liquid and vapor.
GHS07 – Irritant
  Skin Corrosion/Irritation 2  H315: Causes skin irritation.
GHS08 – Health
  Acute Tox., Dermal 4  H312: Harmful in contact with skin.
  Acute Tox., Inhalation 4  H332: Harmful if inhaled.

2.2 Label elements

Hazard Pictograms

Signal Word: DANGER

Hazard Statements
H226 - Flammable liquid and vapor.
H312 - Harmful in contact with skin.
H315 - Causes skin irritation.
H332 - Harmful if inhaled.

Precautionary Statements
P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P260 Do not breathe dust/fume/gas/mist/vapors/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse SKIN with water/shower.
P332+P313 If skin irritation occurs: Get medical advice/attention.

2.3 Other hazards

Health Effects:
NFPA Hazard Rating: ND
HMIS® Hazard Rating: ND
(0=least, 1=Slight, 2=Moderate, 3=High, 4=Extreme)

Results of PBT and vPvB assessment:
PBT: ND
vPvB: ND

Emergency overview
Appearance: Clear, colorless liquid with slight sweet odor.
Immediate effects: Xylene Danger! Harmful or fatal if swallowed. Vapor harmful. Affects central nervous system. Causes severe eye irritation. Causes irritation to skin and respiratory tract. May be harmful if absorbed through skin. Flammable liquid and vapor.

Potential health effects
Primary Routes of entry: Eyes, skin, ingestion and inhalation

Signs and Symptoms of Overexposure:
- Eyes: Vapors cause eye irritation. Splashes cause severe irritation, possible corneal burns and eye damage. 
  Pain, tears, burns, sensitivity to light, swelling and possible corneal damage. Prolonged or repeated exposure may cause irritation and conjunctivitis.
- Skin: Skin contact results in loss of natural oils and often results in a characteristic dermatitis. May be absorbed through the skin. Reddening, itching, and inflammation. Repeated or prolonged contact may result in drying, reddening, itching, pain, inflammation, cracking and possible secondary infection with tissue damage.
- Ingestion: May cause irritation of the mouth, throat, and gastrointestinal tract. Aspiration into lungs may cause chemical pneumonia and lung damage. Salivation, pain, nausea, vomiting and diarrhea. Exposure may also cause central nervous system symptoms similar to those listed under Inhalation.
- Inhalation: Inhalation of high concentrations may result in nausea, vomiting, headache, ringing in the ears, and severe breathing difficulties which may be delayed in onset. Substernal pain, cough, and hoarseness are also reported. Symptoms of central nervous system depression or effects which may occur can include headache, excitation, euphoria, dizziness, incoordination, drowsiness, light-headedness, blurred vision, fatigue, tremors, convulsions, loss of consciousness, coma respiratory arrest and death, depending on the concentration and duration of exposure.

Chronic Exposure: Xylene - Acute or chronic overexposure to this material or its components may cause systemic toxicity including adverse effects to the following: kidney, liver, brain, blood, spleen, testes, fetus and central nervous system.

Chemical Listed as Carcinogen or Potential Carcinogen: No
See Toxicological Information (Section 11)

Potential environmental effects
See Ecological Information (Section 12)

Section 3: Composition / Information on Ingredients
### Principle Hazardous Component(s)

**Chemical and Common Name(s)**

<table>
<thead>
<tr>
<th>Chemical</th>
<th>CAS No</th>
<th>OSHA PEL mg/m³</th>
<th>ACGIH TLV mg/m³</th>
<th>NTP Carcinogen</th>
<th>IARC Carcinogen</th>
<th>OSHA regulated Carcinogen</th>
</tr>
</thead>
<tbody>
<tr>
<td>Xylene (1330-20-7)</td>
<td>30-50</td>
<td>100 ppm</td>
<td>100 ppm</td>
<td>No</td>
<td>3</td>
<td>ND</td>
</tr>
<tr>
<td><strong>EC number:</strong> H226, H312, H315, H332</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Nonhazardous Component**

- **EC number:** 40-60
- **PEL:** NE
- **TLV:** ND
- **OSHA regulated Carcinogen:** No
- **IARC Carcinogen:** No
- **NTP Carcinogen:** No

### Section 4: First Aid Measures

**If accidental overexposure is suspected**

- **Eye(s) Contact:** Immediately flush eyes with plenty of water for at least fifteen minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.
- **Skin Contact:** Immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.
- **Inhalation:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.
- **Ingestion:** Do not induce vomiting. If swallowed and the person is conscious, immediately give large amounts of water. Get medical attention.

**Note to physician**

- **Treatment:** ND
- **Medical Conditions generally Aggravated by Exposure:** ND

### Section 5: Fire Fighting Measures

- **Flash Point:** 29 ºC
- **Flammable Limits:** LEL: 1.0%; UEL: 7.0%
- **Auto-ignition point:** 464 ºC

**Fire Extinguishing Media:** Dry powder, foam, carbon dioxide. Water spray may be used to keep fire exposed containers cool, dilute spills to nonflammable mixtures, protect personnel attempting to stop leak and disperse vapors.

**Special Fire Fighting Procedures:** In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode.

**Unusual Fire and Explosion Hazards:** Above flash point, vapor-air mixtures are explosive within flammable limits noted above. Contact with strong oxidizers may cause fire. Sealed containers may rupture when heated. Sensitive to static discharge. Hazardous combustion products: Involvement in a fire causes formation of carbon monoxide and unidentified organic components.

**DOT Class:** Flammable

### Section 6: Accidental Release Measures

**Steps to be Taken in Case Material is Released or Spilled:** Ventilate area of leak or spill. Remove all sources of ignition. Isolate hazard area. Collect liquid in an appropriate container or absorb with an inert material and place in a chemical waste container. Do not flush to sewer!

**Personal Precautions:** Wear appropriate protective equipment as specified in Section 8.

**Environmental Precautions:** Prevent discharge into the environment. Dike spills and stop leakage where practical. Do not allow material to enter drains.

**Waste Disposal Methods:** Dispose of waste according to Federal, State and Local Regulations.
Section 7: Handling and Storage
Precautions to be taken in Handling and Storage:

Handling: Avoid contact and inhalation. Do not get in eyes, on skin, on clothing. Wash thoroughly after handling. Transfer methods should avoid static sparks. Use explosion proof ventilation.

Storage: Keep in a tightly closed container, stored in a cooled, dry, ventilated area away from sources of heat or ignition. Protect from physical damage. Isolate from incompatible materials (section 10).

Storage temperature: Room Temperature
Storage Pressure: ND

Section 8: Exposure Controls / Personal Protection

Engineering Controls
Ventilation required: A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source.

Personal Protection Equipment

Respiratory protection: If the exposure limit is exceeded, wear a supplied air, full-face piece respirator, air-lined hood, or full-face piece self-contained breathing apparatus.

Protective gloves: Impervious gloves.

Skin protection: Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Eye protection: Use chemical safety goggles and/or a full face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities in work area.

Additional clothing and/or equipment: Safety shower and eyewash station.

Exposure Guidelines
See Composition/Information on Ingredients (Section 3)

Section 9 Physical and Chemical Properties

Appearance and Physical State: Clear, colorless liquid
Odor (threshold): Slightly sweet odor (NA)
Specific Gravity (H₂O=1): 0.95
Vapor Pressure (mm Hg): 4 @ 25 °C
Vapor Density (air=1): 4.8
Percent Volatile by volume: ND

Evaporation Rate (butyl acetate=1): 0.7
Boiling Point: 137-140 °C
Freezing point / melting point: -25 °C
pH: NA
Solubility in Water: Insoluble
Molecular Weight: ND

Section 10: Stability and Reactivity

Stability: Stable under ordinary conditions of use and storage.
Conditions to Avoid: Heat, flames, ignition sources, and incompatibles.
Materials to Avoid (Incompatibility): Strong oxidizing agents and strong acids.
Hazardous Decomposition Products: Involvement in fire causes formation of carbon monoxide and unidentified organic compounds.
Hazardous Polymerization: Will not occur under normal conditions of use

Section 11: Toxicological Information

Results of component toxicity test performed:

Product LD50 Values
Oral LD50 (rat): 10750 mg/kg  
Dermal LD50 (rabbit): 4250 mg/kg  

Component Cancer List Status

<table>
<thead>
<tr>
<th>Component</th>
<th>NTP Carcinogen</th>
<th>IARC Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Xylene</td>
<td>Known</td>
<td>Anticipated</td>
</tr>
<tr>
<td>Nonhazardous Component</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

Human experience: ND  
This product does not contain any compounds listed by NTP or IARC or regulated by OSHA as a carcinogen.

Section 12: Ecological Information

Toxicity - COMPONENT: Xylene

<table>
<thead>
<tr>
<th>Vertebrates</th>
<th>Invertebrates</th>
<th>Algae</th>
<th>Microorganisms</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aquatic Toxicity (ppm unless otherwise noted)</td>
<td>LC50 (96 hr, Salmo gairdneri): 2.6 mg/l</td>
<td>IC50 (Daphnia magna): 1 mg/l</td>
<td>IC50 (24 hr): 96 mg/l</td>
</tr>
<tr>
<td>Terrestrial Environment Toxicity (ppm unless otherwise noted)</td>
<td>ND</td>
<td>ND</td>
<td>IC50 (10 hr): 0.22 g/g soil</td>
</tr>
</tbody>
</table>

Toxicity – COMPONENT: Non-hazardous component: ND  
Persistence and degradability  
Xylene: Readily biodegradable, >85% elimination in 28 days  
Non-hazardous component: ND  
Bioaccumulative potential  
Xylene: BCF 5-15  
Non-hazardous component: ND  
Motility in soil  
Xylene: log Koc 2.73  
Non-hazardous component: ND  
Chemical Fate Information: ND

Section 13 Disposal Considerations

RCRA 40 CFR 261 Classification: ND  
Observe all national, state, and local regulations regarding disposal.  
Federal, State and local laws governing disposal of materials can differ. Ensure proper disposal compliance with proper authorities before disposal.

Section 14: Transportation Information

US DOT Information: Proper shipping name: Xylenes  
Hazard Class: 3  
Packaging group: III  
UN Number: UN1307  
IATA: Proper shipping name: Xylenes  
Hazard Class: 3  
Packaging group: III  
UN Number: UN1307  
IMO: Proper shipping name: Xylenes  
Class: 3  
UN Number: UN1307  
Marine Pollutant: No  
Canadian TDG: Proper shipping name: Xylenes
Section 15: Regulatory Information
United States Federal Regulations
SARA Title III (Sections 311/312): Hazard categories
  Xylene: Fire, Acute, Chronic
  Non-hazardous component: None
RCRA: ND
TSCA: All intentional ingredients are listed on the TSCA Inventory.
CERCLA: Xylene RQ = 100 lbs (45.4 Kg)
State Regulations
California Proposition 65 Warning: This product contains chemical(s) known to the state of California to cause cancer and birth defects or other reproductive harm. Ethylbenzene and Benzene are known to be in xylenes.
International Regulations
Europe
EEC Regulatory: All intentional ingredients are listed on the European EINECS Inventory.
Canada WHMIS: ND

Section 16: Other Information
Label Information: Flammable
European Risk and Safety Phrases:  R: 10-20/21-38, Flammable. Harmful by inhalation and in contact with skin. Irritating to the skin.
S: (2-) 25, Keep out of reach of children. Avoid contact with eyes
European symbols needed: Harmful, X
Canadian WHMIS Symbols: ND
Abbreviations used in this document
NE= Not established
NA= Not applicable
NIF= No Information Found
ND= No Data

Disclaimer
Ted Pella, Inc. makes no warranty of any kind regarding the information furnished herein. Users should independently determine the suitability and completeness of information from all sources. While this data is presented in good faith and believed to be accurate, it should be considered only as a supplement to other information gathered by the user. It is the User's responsibility to assure the proper use and disposal of these materials as well as the safety and health of all personnel who may work with or otherwise come in contact with these materials.

SDS Form 0013F1V4