

Safety Data Sheet

Product No. 19479, 19480 Histomount™

Issue Date (08-29-13)

Review Date (02-13-15)

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

Domestic Phone (800) 237-3526 (Mon-Thu. 6:00AM to 4:30PM PST; Fri 6:00AM to 4:00PM PST)

International Phone (01) (530) 243-2200 (Mon-Thu. 6:00AM to 4:30PM PST; Fri 6:00AM to 4:00PM PST)

Chemtrec Emergency Number 1-800-424-9300 24 hrs a day.

Section 2: Hazard Identification

GHS Pictograms:



Flammable



Irritant



Health Hazard

GHS Categories:

H226 - Flammable Liquids (Category 3)

H312 - Acute Toxicity-Dermal (Category 4)

H315 - Skin Corrosion/Irritation (Category 2)

H332 - Acute Toxicity-Inhalation (Category 4)

Signal Word: DANGER

GHS Hazard Statements:

H226 - Flammable liquid and vapor.

H312 - Harmful in contact with skin.

H315 - Causes skin irritation.

H332 - Harmful if inhaled.

GHS 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.

Other Hazards: None found.

Classification According to EU Directives 67/549/EEC or 1999/45/EC

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.

Health Effects:

NFPA Hazard Rating: Health: 2; Fire: 3; Reactivity: 0

HMIS® Hazard Rating: Health: 2; Fire: 3; Reactivity: 0

(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.

Nonhazardous Component: No information found.

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 vapors may be irritating to the nose and throat. High vapor concentrations are anesthetic and central nervous system depressant. 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.

Nonhazardous Component: No information found.

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)) (Cas. No)	%	OSHA PEL mg/m3	ACGIH TLV mg/m3	NTP Carcinogen	IARC Carcinogen	OSHA regulated Carcinogen
Xylene (1330-20-7) EC number: 215-535-7	30-50	100ppm	100ppm	No	3	ND
Nonhazardous Component	40-60	ND	ND	No	No	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

Flammable Limits: LEL: 1.0%; UEL: 7.0%

Auto-ignition point: 464

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.

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: 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. 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, airlined hood, or full-face piece self-contained breathing apparatus.

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

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: ND

Exposure Guidelines

See Composition/Information on Ingredients (Section 3)

Section 9 Physical and Chemical Properties

Appearance and Physical State: Clear, colorless liquid with slight sweet odor.

Odor (threshold): ND
Specific Gravity (H₂O=1): 0.95
Vapor Pressure (mm Hg): 4 @ 25 C
Vapor Density (air=1): 4.8
Percent Volatile by volume: 60

Evaporation Rate (butyl acetate=1): 0.7 (Bu Acetate = 1)
Boiling Point: 37-140
Freezing point / melting point: -25
pH: Not Applicable
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 (See Sections 10.4 & 10.5).

Section 11: Toxicological Information

Results of component toxicity test performed:

Product LD50 Values

Oral Rat LD50 (mg/kg): 10750
Dermal Rabbit LD50 (mg/kg): 4250

Component Cancer List Status

	NTP Carcinogen		<u>IARC Category</u>
	<u>Known</u>	<u>Anticipated</u>	
Xylene	No	No	3
Nonhazardous Component	No	No	None

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

Ecological Information: Xylene: When released into the soil, this material may evaporate to a moderate extent. When released into the soil, this material is expected to leach into groundwater, When released into the soil, this material may biodegrade to a moderate extent. When released into water, this material may evaporate to a moderate extent. When released into water, this material may biodegrade to a moderate extent. When released into the air, this material may be moderately degraded by reaction with photo chemically produced hydroxyl radicals. When released into the air, this material is expected to have a half-life of less than 1 day. This material is not expected to significantly bio accumulate (mixed xylenes: octanol/water partition

coefficient 3.1 - 3.2; bio concentration factor - 1.3 eels). This material is expected to be slightly toxic to aquatic life. The LC50/96-hour values for fish are between 10 and 100 mg/l.

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

Packing 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

MSDS complies with OSHA's Hazard Communication Rule 29, CFR 1910.1200.

SARA: SARA 311/312 Hazard Categories

Component	Fire	Pressure	Reactivity	Acute
<u>Chronic</u>				

Xylene	Yes	No	No	Yes
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Yes

Nonhazardous Component	No	No	No	No
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No

SARA Title III: SARA 311/312 Hazard Categories

Component	Fire	Pressure	Reactivity	Acute
<u>Chronic</u>				

Xylene	Yes	No	No	Yes
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Yes

Nonhazardous Component	No	No	No	No
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No

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

Europe EINECS Numbers: 215-535-7.

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.