

Section 1. Product and Company Identification

Product Name: VectaMount® Express Mounting Medium
Catalog No.: H-5700-60

Manufacturer/Supplier USA:

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United States
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Section 2. Hazards Identification

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Flammable liquids Category 2	Highly flammable liquid and vapor
Skin corrosion/irritation Category 2	Causes skin irritation
Reproductive toxicity Category 1B	May damage fertility or the unborn child
Specific target organ toxicity (single exposure) Category 3	May cause drowsiness or dizziness
Specific target organ toxicity (repeated exposure) Category 2	May cause damage to organs
Aspiration hazard Category 1	May be fatal if swallowed and enters airways
Hazardous to the aquatic environment—Acute Hazard Category 2	Toxic to aquatic life

2.2 GHS Label elements, including precautionary statements

Pictogram: 

Signal word: Danger

Hazard statement(s)

Highly flammable liquid and vapor
May be fatal if swallowed and enters airways
Causes skin irritation
May cause drowsiness or dizziness
May damage fertility or the unborn child
May cause damage to organs
Toxic to aquatic life

Precautionary statement(s)

Obtain special instructions before use
 Do not handle until all safety precautions have been read and understood
 Keep away from heat, sparks, open flames, hot surfaces. No smoking.
 Keep container tightly closed
 Ground/Bond container and receiving equipment
 Use explosion-proof equipment
 Use only non-sparking tools
 Take precautionary measures against static discharge
 Do not breathe mist/vapours/spray.
 Avoid breathing mists/vapors/spray
 Wash thoroughly after handling
 Use only outdoors or in a well-ventilated area
 Avoid release to the environment
 Wear protective gloves/protective clothing/eye protection/face protection.
 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
 IF ON SKIN: Wash with plenty of soap and water
 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
 If inhaled: Remove person to fresh air and keep comfortable for breathing
 If exposed or concerned: Get medical advice/attention. Call a POISON CENTER or doctor/physician if you feel unwell. Get medical advice/attention if you feel unwell. Do NOT induce vomiting
 If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse
 In case of fire: Use dry chemical, foam, or water spray for extinction.
 Store in a well-ventilated place. Keep container tightly closed
 Store in a well-ventilated place. Keep cool
 Store locked up
 Dispose of contents/container in accordance with all local/regional/national/international Regulations

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

No additional information available or not applicable.

Section 3. Composition/Information on Ingredients

Component:	CAS#:	Weight %
Toluene	108-88-3	<60%

Section 4. First Aid Measures

4.1 Description of first aid measures

First-aid measures general :	Call a poison center/doctor/physician if you feel unwell.
First-aid measures after inhalation :	Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact :	Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. If skin irritation occurs: Get medical advice/attention.

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First-aid measures after eye contact : Rinse eyes with water as a precaution.
First-aid measures after ingestion : Call a poison center/doctor/physician if you feel unwell.

4.2 Most important symptoms and effects (acute and delayed)

Symptoms/effects: May cause drowsiness or dizziness.
Symptoms/effects after skin contact: Irritation.

4.3 Immediate medical attention and special treatment, if necessary

Treat symptomatically.

Section 5. Fire Fighting Measures

Suitable extinguishing media: Use water spray, dry powder, foam, carbon dioxide.

Specific Hazards Arising from the Chemical

Fire hazard : Highly flammable liquid and vapor.
Reactivity : Highly flammable liquid and vapor.

Protective Equipment and Precautions for Firefighters

Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

Section 6. Accidental Release Measures

Personal Precautions: Ventilate spillage area. No open flames, no sparks, and no smoking. Do not breathe mist/vapours/spray. Avoid contact with skin and eyes. Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection"

Environmental Precautions: Avoid release to the environment.

Methods for Containment and Clean up: Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters. Dispose of materials or solid residues at an authorized site.

Section 7. Handling and Storage

7.1 Precautions for safe handling

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapors may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Do not breathe mist/vapours/spray. Use only outdoors or in a well-ventilated area. Avoid contact with skin and eyes. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2 Conditions for safe storage

Ground/bond container and receiving equipment. Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.

Section 8. Exposure Controls/Personal Protection

8.1 Control Parameters

108-88-3, Toluene, ACGIH TLV TWA 20 ppm

108-88-3, Toluene, OSHA PEL TWA 200 ppm

8.2 Appropriate Engineering Controls

Appropriate engineering controls : Ensure good ventilation of the work station.

Environmental exposure controls : Avoid release to the environment.

8.3 Individual Protection Measures

Eye/Face Protection: Safety glasses.

Skin/Body Protection: Wear protective gloves and suitable protective clothing.

Respiratory Protection: None needed with adequate ventilation. If the occupational exposure limit is exceeded, use an approved organic vapor respirator. Selection of respiratory protection depends on the contaminant type, form, and concentration. Select in accordance with OSHA 1910.134 or other applicable regulations and good industrial hygiene practice.

General: Perform routine housekeeping. Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes, and clothing. Before re-wearing wash contaminated clothing.

Section 9. Physical and Chemical Properties

Physical State: Liquid

Appearance: Clear, colorless

Odor: Aromatic

Odor threshold: No data available

pH: No data available

Melting Point: Not applicable

Boiling Point: No data available

Flash Point: 44 °F / 6 °C

Relative Evaporation Rate: No data available

Flammability (solid, gas): Not applicable

Vapor Pressure: No data available

Relative Vapor Density at 20 °C: No data available

Relative Density: No data available

Specific gravity/density: 0.93

Solubility: No data available

Log Pow: No data available

Autoignition temperature: No data available

Decomposition Temperature: No data available

Viscosity, kinematic: No data available

Viscosity, dynamic: No data available

Explosion limits: No data available

Explosion properties: No data available

Oxidizing properties: No data available

Section 10. Stability and Reactivity

10.1 Reactivity

Highly flammable liquid and vapor.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4 Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5 Incompatible materials

No additional information.

10.6 Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological Information

Acute toxicity:

Not classified

LD50 oral rat:

> 2000 mg/kg (Rat; Equivalent or similar to OECD 401; Literature study; 5580 mg/kg bodyweight; Rat; Experimental value)

LD50 dermal rabbit

12223 mg/kg (Rabbit; Literature study; Other; >5000 mg/kg bodyweight; Rabbit; Experimental value)

LC50 inhalation rat (mg/l)

> 20 mg/l/4h (Rat; Literature study)

ATE US (dermal)

12223 mg/kg body weight

Skin corrosion/Irritation:

Causes skin irritation

Serious Eye Damage/Eye Irritation:

Not classified

Skin or Respiratory Sensitization:

Not classified

Germ Cell Mutagenicity:

Not classified

Carcinogenicity:

Not classified

IARC group

3 – Not classified

Reproductive toxicity:

May damage fertility or the unborn child.

Specific target organ toxicity – single exposure:

May cause drowsiness or dizziness.

Specific target organ toxicity – repeated exposure:

May cause damage to organs .

Aspiration hazard:

May be fatal if swallowed and enters airways.

Symptoms/effects after skin contact:

Irritation.

Section 12. Ecological Information

Ecotoxicity

Fish LC50 – Oncorhynchus mykiss (rainbow trout) – 7.63 mg/l – 96 h: 108-88-3 (Toluene)

Invertebrates EC50 – Daphnia magna (water flea) – 6 mg/l/48 h: 108-88-3 (Toluene)

Persistence and degradability: readily biodegradable

Bioaccumulative potential: Bioconcentration in aquatic organisms is low to moderate

Mobility in soil: toluene is expected to have high to moderate mobility in soil. 2.65 log Pow

Other adverse effects: N/A

Section 13. Disposal Considerations

13.1 Waste treatment methods

Relevant Information: Keep out of drains, sewers, ditches and waterways.

Disposal Method: Use a licensed professional waste disposal service to dispose of this product. Consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

Contaminated Packaging: Dispose of as unused product.

Observe all federal, state and local environmental regulations.

Section 14. Transport Information

DOT

UN-No	Proper Shipping Name	Hazard Class	Packing Group
UN1294	Toluene	3	II

TDG

UN-No	Proper Shipping Name	Hazard Class	Packing Group
UN1294	Toluene	3	II

IATA

UN-No	Proper Shipping Name	Hazard Class	Packing Group
UN1294	Toluene	3	II

IMDG/IMO

UN-No	Proper Shipping Name	Hazard Class	Packing Group
UN1294	Toluene	3	II

Section 15. Regulatory Information

SARA:

SARA 311/312 Hazards – Acute, Chronic, Fire

SARA 313 Hazards – None of the ingredients listed

RCRA: 108-88-3 Toluene – U220

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TSCA: All hazardous ingredients are listed

CERCLA: 108-88-3 Toluene – 1000 lb.

California Prop. 65 components:

This product does not contain any chemicals known to the state of California to cause cancer or other reproductive harm. However, 108-88-3 Toluene is known to cause developmental toxicity.

Section 16. Other Information

Full text of H-phrases:

H225 Highly flammable liquid and vapor
H302 Harmful if swallowed
H304 May be fatal if swallowed and enters airways
H315 Causes skin irritation
H336 May cause drowsiness or dizziness
H373 May cause damage to organs
H400 Very toxic to aquatic life
H410 Very toxic to aquatic life with long lasting effects
H411 Toxic to aquatic life with long lasting effects

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The information contained in this Safety Data Sheet is believed to be accurate, but it is the responsibility of the user to determine the applicability of this data to necessary safety precautions. Vector Laboratories, Inc. shall not be held responsible for any damage resulting from the use of the above product or the information contained in this Safety Data Sheet.

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