

## Section 1. Product and Company Identification

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

**Manufacturer/Supplier USA:**

Vector Laboratories, Inc.  
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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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Previous Date of Issue: N/A

Previous Version: N/A

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.

Date of Issue: 06/09/21

Version 00

Previous Date of Issue: N/A

Previous Version: N/A

## 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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Previous Date of Issue: N/A

Previous Version: N/A

**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

**Date of Issue or Revision:** June 9, 2021

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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