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MATERIAL SAFETY DATA SHEET

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Revised 1/04/96  
Replaces 12/21/95  
Printed 9/03/96

KEERMOUNT IN XYLENE

ROLINA BIOLOGICAL SUPPLY COMPANY

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1. PRODUCT DESCRIPTION

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Product Name: Kleermount in Xylene  
Product Code(s): 87-1341, 87-1343, 87-1345, 70-0385, 70-0385A, B5995, B5999  
B5999A, B6007A, B6008, B6010, B6101, B6103, B6103B, B6104  
B6104G, B6105, B6107, B6109, B6109A, B6109B, B6109C, B6300  
B6310, B6312, BM2010, BM2015, BM2300, BM6010, GEO385,  
69-9870, B6090  
Size: 7.5ml, 25ml, 100ml, 500ml  
Chemical Name: N/A  
CAS Number: 1330-20-7  
Formula: See section 2  
Synonyms: None known  
Distributor: Carolina Biological Supply Company  
2700 York Road  
Burlington, NC 27302  
Chemical Emergency Information: 910-584-0381 (8am-5pm (ET) M-F)  
Chemtrec (Transportation Spill Response 24 hours): 800-424-9300

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2. COMPOSITION/INFORMATION ON INGREDIENTS

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Principle Hazardous Components: Xylene (CAS# 1330-20-7) 44%  
V and PEL units: ACGIH-TLV 100 ppm (TWA)  
OSHA-PEL 100 ppm (TWA)

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3. HAZARD IDENTIFICATION

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Emergency Overview: Symptoms of inhalation are dizziness, headache and  
nausea. These effects are reversible and disappear once the chemical has been  
removed. Prolonged contact with skin can lead to irritation.  
Potential Health Effects:  
Eyes: May cause irritation.  
Skin: May cause irritation.  
Ingestion: May cause gastrointestinal discomfort.  
Inhalation: May cause irritation to respiratory tract.

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4. FIRST AID MEASURES

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Emergency and First Aid Procedures:

Eyes - Flush with water for at least 15 minutes, raising and lowering eyelids  
occasionally. Get medical attention if irritation persists.  
Skin - Thoroughly wash exposed area for at least 15 minutes. Remove  
contaminated clothing. Launder contaminated clothing before reuse.  
Get medical attention if irritation persists.  
Ingestion - Do not induce vomiting. If swallowed, if conscious, give plenty  
of water immediately and call a physician or poison control center.  
Never give anything by mouth to an unconscious person.  
Inhalation - Remove to fresh air. Give oxygen if breathing is difficult;  
give artificial respiration if breathing has stopped. Keep person warm,  
quiet, and get medical attention.

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5. FIREFIGHTING PROCEDURES

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Flash Point (Method Used): 29F

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

Extinguisher Media:

Use dry chemical, CO2 or alcohol foam.

Flammable Limits in Air % by Volume: 1-7%

Autoignition Temperature: 982F

Special Firefighting Procedures:

Firefighters should wear full protective equipment and NIOSH approved self-contained breathing apparatus.

Unusual Fire and Explosion Hazards: Liquid and vapor are both flammable.

Vapor may spread to a source of ignition and flash back.

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6. SPILL OR LEAK PROCEDURES

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Steps to be Taken in Case Material is Released or Spilled:

Ventilate area of spill. Eliminate all sources of ignition. Remove all non-essential personnel from area. Clean-up personnel should wear proper protective equipment and clothing. Absorb material with suitable absorbant and containerize for disposal.

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7. SPECIAL PRECAUTIONS

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Precautions to be Taken in Handling or Storing: Protect containers against physical damage. Store, if possible, outdoors or in a detached building. If indoors, a standard flammable liquid storage room should be used. Bind and ground containers when transferring liquid.

Other Precautions: Wear proper protective clothing and equipment when handling, storing and using this product.

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8. SPECIAL PROTECTION INFORMATION

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Respiratory Protection (Specify Type):

A NIOSH/MSHA chemical cartridge respirator should be worn if PEL or TLV is exceeded.

Ventilation:

Local Exhaust: yes

Mechanical (General): preferred

Special: no

Other: not generally needed

Protective Gloves:

Nitrile or equivalent

Eye Protection:

Splash proof chemical safety goggles should be worn at all times.

Other Protective Clothing or Equipment:

Lab coat, eye wash, and safety shower.

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9. PHYSICAL DATA

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Molecular Weight: No data available  
Melting Point: No data available  
Boiling Point: 137-140F  
Vapor Pressure: No data available  
Vapor Density(Air=1): No data available  
Specific Gravity(H2O=1): No data available  
Percent Volatile by Volume: 44%  
Evaporation Rate(H2O=1): No data available  
Solubility in Water: Insoluble  
Appearance and Odor: Clear, thick liquid. Strong, pleasant odor.

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10. REACTIVITY DATA

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Stability: Stable  
Conditions to Avoid: Any source of ignition  
Incompatibility(Materials to Avoid): Oxidizing agents such as permanganate and chlorine  
Hazardous Decomposition Products: No data available  
Hazardous Polymerization: Will not occur

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11. TOXICITY DATA

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Toxicity Data: For components:  
Xylene: orl-rat LD50: 4300mg/kg  
ihl-rat LC50: 5000ppm/4H  
Effects of Overexposure:  
Acute: See section 3  
Chronic: Xylene: Mutation and reproductive data cited. Not listed as causing cancer.  
Conditions Aggravated by Overexposure: Preexisting conditions of the skin, eyes, nose, throat, liver and kidneys.  
Target Organs: Liver and kidneys  
Primary Route(s) of Entry: Inhalation and skin contact

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12. ECOLOGICAL DATA

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EPA Waste Numbers: U239

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13. DISPOSAL INFORMATION

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Waste Disposal Methods: Dispose in accordance with all applicable Federal, State and Local regulations.  
Always contact a permitted waste disposer (TSD) to assure compliance.

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14. TRANSPORT INFORMATION

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Flammable liquids, n.o.s. (contains Xylene), 3, UN1993, II  
Labels Required: FLAMMABLE LIQUID

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**15. REGULATORY INFORMATION**

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EPA TSCA Status: On TSCA Inventory

Hazard Category for SARA Section 311/312 Reporting: Acute, Fire

Product or Components	SARA EHS Sec. 302 TPQ	SARA Sec. 313 Chemicals Name Chemical List Category	CERCLA Sec. 103 RQ lbs.	RCRA Sec. 261.33
Xylene	no	yes no	1000	yes-ignitable

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**16. ADDITIONAL INFORMATION**

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The information provided in this Material Safety Data Sheet represents a compilation of data drawn directly from various sources available to us. Carolina Biological Supply makes no representation or guarantee as to the suitability of this information to a particular application of the substance covered in the Material Safety Data Sheet. Any employer must carefully assess the applicability of any information contained herein in regards to the particular use to which the employer puts the material.

**Glossary**

ACGIH.....American Conference of Governmental Industrial Hygienists  
CAS Number....Chemical Services Abstract Number  
CWA.....Clean Water Act  
DOT.....U.S. Department of Transportation  
IARC.....International Agency of Research on Cancer  
IATA.....International Air Transport Association  
IMO.....International Maritime Organization  
N/A.....Not Available  
NTP.....National Toxicology Program  
OSHA.....Occupational Safety and Health Administration  
PEL.....Permissible Exposure Limit  
ppm.....parts per million  
RTECS.....Registry of Toxic Effects of Chemical Substances  
(published by the National Institute of Occupational Safety and Health, NIOSH)  
TLV.....Threshold Limit Value