



MATERIAL SAFETY DATA SHEET

Date –Issued:05/06/2004

MSDS Ref.No:PSMSD-331-2

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Page: 1 of 3

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Mold Release Paste MR331

Chemical Description: Water –Wax Emulsion

General Use: Mold release agent for concrete casting products..

Product Formulation Name: Water, Petroleum wax, stabilizer.

MANUFACTURER

LONG LUB-TEK CORPORATION

330-12 Sec.1 Zhong Zheng Rd. Sanxia Dist., New Taipei City TAIWAN.

Phone No.: 886-2-26742566

Fax No.: 886-2-26742730

2. TYPICAL PHYSICAL AND CHEMICAL CHARACTERISTICS

Appearance: Creamy, yellow viscous gel with no odor.

Specific Gravity (H₂O = 1): 0.985

Percent Volatiles (Weight): < 90%

Viscosity: 50,000-100,000 cps @ 10 rpm.

Boiling Point: >212°F (100°C)

Ignition Temperature: None

Vapor Pressure: 18mm

Vapor Density (Air = 1): .9 to 1.1

Solubility in Water: moderate

Percent Water (Weight): <90%

pH: 7.5 to 8.5

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3. FIRE AND EXPLOSION HAZARD DATA

Flash Point: No flash via TCC.

Flammable Limits: Product is not flammable.

Extinguishing Media: Does not apply.

Special Procedures: Does not apply.

Unusual Hazards: Sealed container can build up pressure when exposed to high heat. Cool containers with water.

Hazardous Decomposition Products: High temperature steam, potentially carbon monoxide and carbon dioxide.

4. HAZARDOUS INGREDIENTS

This product contains no reportable hazardous components under 29 CFR 1910.1200. There are no OSHA or ACGIH threshold limit values for the product or any of its ingredients.

All components are listed on the TSCA inventory.

5. HAZARDS IDENTIFICATION

	<u>HMIS</u>	<u>NFPA</u>	<u>KEY</u>
Health	0	0	0-minimal 3-serious
Flammability	0	0	1-slight 4-severe
Reactivity	0	0	2-moderate

6. EMERGENCY AND FIRST AID PROCEDURE

Eye Contact: Flush eyes with a large quantity of water for 15 minutes. If irritation continues, seek medical attention.

Skin Contact: If skin becomes irritated, wash area thoroughly with soap and water. If irritation continues, seek medical attention.

Inhalation (Breathing): No first aid expected to be required. Not an inhalation hazard.

Ingestion (Swallowing): No first aid expected to be required. If difficulties arise, contact a physician.

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7. SPILL OR LEAK PROCEDURE

Mold Release Paste MR331 is extremely slippery. It should be washed, swept, or squeegeed from floor using wet mops. Oxidizing agents, such as household bleach, can be used to eliminate the slippery character. Outside, spills should be covered with sand, dirt, gravel or calcium chloride.

8. HANDLING AND STORAGE

Keep product containers closed when not in use. Avoid spills and clean them up immediately when they occur. Product is very slippery.
Store at temperatures between 40-120°F. Avoid freezing.

9. SPECIAL PROTECTION INFORMATION

Respiratory Protection: Normal ventilation adequate.

Protective Gloves: For repeated or prolonged skin contact, the use of impermeable gloves is recommended to prevent drying and possible irritation.

Eye Protection: Safety glasses recommended.

Keep away from children, infants, and pets.

10. HEALTH HAZARD/TOXICOLOGICAL INFORMATION

Eye Contact: Direct eye contact may cause eye irritation. This irritation is minimal and expected to be transient.

Skin Contact: This product has low skin irritation potential. There is no dermal toxicity hazard.

Inhalation (Breathing): No inhalation hazard expected with water vapor.

Ingestion (Swallowing): Based on ingredients, LD50 (rat) is estimated to be well over 50 g/kg.

Carcinogenic Status: This substance has not been identified as a carcinogen or probable carcinogen by NTP, IARC or OSHA, nor have any of its components.

11. REACTIVITY DATA

Stability: Stable

Hazardous Polymerization: Will not occur.

Hazardous Decomposition Products: carbon monoxide and carbon dioxide .

Incompatibility: Avoid materials which react with water

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12. ECOLOGICAL INFORMATION

mobility: Stable

degradability: completely biodegradable.

bioaccumulation: none .

ecotoxocity: none.

13. DISPOSAL METHODS

Not a hazardous waste under RCRA (40CFR 261). Dispose of in the manner prescribed in Federal, State and Local regulations.

14. TRANSPORTATION INFORMATION

DOT Hazard Class: Not Regulated

Technical Shipping Name: NMFC Item 46030, Class 55

DOT Non-Bulk Shipping Name: Resin Compound - Not Regulated

DOT Bulk Shipping Name: Resin Compound - Not Regulated

For domestic purposes, this product is not defined or designated as a hazardous material by the U.S. Department of Transportation.

15. REGULATORY INFORMATION

DOT Hazard Class: Not Applicable

DOT Shipping Name: Not Applicable

SARA Title III Section 313 Supplier Notification:

This product does not contain toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372.

Hazard Categories for

SARA Section 311/312 Reporting	Acute	Chronic	Fire	Pressure	Reactive
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No	No	No	No	No	No
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16.ADDITIONAL INFORMATION

If material is used in extreme heat (>120°F), prolonged and repeated exposure could pose a risk of pulmonary disease. Exposure below mist TLV(5ma/m) appears to be without risk.

This product contains the following materials that are subject to the reporting requirements of Section 313of EPCRA:

CAS #4719-04-4, 2,2',2'-(hexahydro-1,3,5-triazine-1,3,5-triyl)triethanol 0.2%