

MATERIAL SAFETY DATA SHEET

LaMOTTE COMPANY
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24 Hour Emergency Number (CHEM-TEL) 800-255-3924

1. PRODUCT IDENTIFICATION

Detergent Reagent 2

Code Nr. **6037**

2. HAZARDOUS INGREDIENTS

NAME	CAS #	TSCA #	%	PEL	TLV
Toluene	108-88-3		100	100 ppm	50 ppm (skin)

3. NON-HAZARDOUS INGREDIENTS EXCEPT WATER (7732-18-5)

NAME	CAS #	%
N/A		

4. PHYSICAL DATA

<i>Appearance:</i> Clear Colorless Liquid			
<i>Solubility in Water:</i> Slight	<i>Odor:</i> Aromatic	<i>Boiling Point:</i> 231 deg F	<i>Melt. Point:</i> N/A
<i>Vapor Pressure:</i> 22 at 68 deg F	<i>Vapor Density:</i> 3.2(Air=1)	<i>pH:</i> N/A	

5. FIRE AND EXPLOSION DATA

<i>Flash Point (method used)</i> 40 deg F-closed cup	<i>Flammable Limit: LEL:</i> 1.2%	<i>UEL:</i> 7.1%
<i>Extinguishing Media:</i> Dry chemical, alcohol-resistant foam, CO2		
<i>HMS Hazard: Health - 2 Flammability - 3 Reactivity - 0 Scale: 4 = Extreme, 3 = High, 2 = Moderate, 1 = Slight, 0 = Least</i>		
<i>Special Fire Fighting Procedures:</i> Wear protective equipment and self-contained breathing apparatus.		
<i>Unusual Fire & Explosion Hazard:</i> Vapor is heavier than air and may travel considerable distance to a source of ignition and flash back.		

6. REACTIVITY DATA

<i>Stability:</i>	<i>Conditions to avoid:</i> Heat, sources of ignition
<input checked="" type="checkbox"/> <i>Stable</i>	<i>Incompatibility (Materials to avoid):</i> Contact with nitric acid or other strong oxidizers
<input type="checkbox"/> <i>Unstable</i>	<i>Hazardous Decomposition Products:</i> COx

7. HEALTH HAZARD DATA

<i>Toxicity:</i> Inhalation human TCLo: 200ppm; oral rat LD50: 636 mg/kg			
<i>Primary Route of Entry:</i>	<input checked="" type="checkbox"/> <i>Inhalation</i>	<input checked="" type="checkbox"/> <i>Skin</i>	<i>Carcinogenicity:</i> <input checked="" type="checkbox"/> <i>None</i> <input type="checkbox"/> <i>NTP</i>
	<input checked="" type="checkbox"/> <i>Ingestion</i>	<input type="checkbox"/> <i>N/A</i>	<input type="checkbox"/> <i>OSHA</i> <input type="checkbox"/> <i>IARC</i>
<i>Other Health Related Comments:</i> Warning! Contains toluene, a chemical known to the state of Calif. to cause birth defects or other reproductive harm			
<i>Target Organs:</i> Kidney, Liver, Skin, Central Nervous System			
<i>Signs and symptoms of exposure:</i> Eye and respiratory irritant. Inhalation of vapors may cause death by paralysis of respiratory center. May be fatal if swallowed.			
<i>Medical Condition Aggravated by Exposure:</i> Respiratory conditions			

8. EMERGENCY FIRST AID PROCEDURES

<i>Eye Contact:</i> Immediately flush with water for 15 minutes. Consult physician.
<i>Ingestion:</i> Do not induce vomiting. Immediately call physician.
<i>Inhalation:</i> Remove to fresh air. Give artificial respiration if breathing has stopped. If breathing is difficult, give oxygen.
<i>Skin Contact:</i> Remove affected clothing and rinse skin thoroughly. Wash skin with soap and water. Consult physician.

9. SPILL AND DISPOSAL PROCEDURES

<i>Spill and Leak:</i> Eliminate sources of ignition & flammables; Small spill <10 ml: Absorb on paper. Evaporate in hood. Large spill: Absorb on inert material (vermiculite) or spill pads. Place in clean, dry container & allow to evaporate in hood or hold for
<i>Disposal:</i> hazardous waste. Toluene liquid shouldn't be stored in plastics except Teflon; it may dissolve them. Small waste amt.: Evaporate in fume hood. Large amt.: Atomize into an incinerator or containerize & dispose of as hazardous waste according to federal, state and local regulations.

10. PRECAUTIONARY MEASURES

<i>In Handling:</i> <input checked="" type="checkbox"/> <i>Gloves</i> <input checked="" type="checkbox"/> <i>Eye Protection</i> <input type="checkbox"/> <i>N/A</i> <input checked="" type="checkbox"/> <i>Other:</i> LabCoat; viton gloves
<i>Ventilation</i> <input type="checkbox"/> <i>Normal</i> <input checked="" type="checkbox"/> <i>Mechanical</i> <input type="checkbox"/> <i>Respiratory Protection</i>
<i>Work/Hygienic Practices:</i> Use only with adequate ventilation. For large quantities, use in fume hood.

11. SPECIAL PRECAUTIONS

Store away from sources of ignition. Avoid contact with skin and inhalation of vapor.

DATE: 11/24/03

The above information is believed to be correct but does not claim to be all inclusive and should be used only as a guide.

* This is a toxic chemical subject to reporting requirements of section 313 of EPCRA and 40CFR372.