

# MATERIAL SAFETY DATA SHEET

*Product Name:* Molydag 254N  
*Catalog Number:* 60835Q, 60835G, 60835P  
*DOT Hazard Class:* Flammable Liquid  
*DOT Proper Shipping Name:* Paint  
*UN/NA ID No.:* UN1263  
*MSDS Prepared:* 6/15/2007

*Distributed By:* Ladd Research  
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Williston, VT 05495  
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## HAZARDOUS COMPONENTS

	<i>CAS Number</i>	<i>Percent</i>	<i>Exposure Limits</i>
Polymer of allyl chloride, formaldehyde & phenol	28470-78-2	1-5%	None Estab.
Toluene TLV)	108-88-3	10-30%	50ppm (ACGIH
Dibasic lead phosphate	12141-20-7	3-7%	0.05mg/m <sup>3</sup> (OSHA PEL)
Antimony trioxide	1309-64-4	7-13%	0.50mg/m <sup>3</sup> (OSHA PEL)
Molybdenum disulfide	1317-33-5	10-30%	15.00mg/m <sup>3</sup> (OSHA PEL)
Methyl ethyl ketone TLV)	78-93-3	7-13%	200ppm (ACGIH
Propylene glycol methyl ether acetate TLV)	108-65-6	7-13%	100ppm (ACGIH
Balance is proprietary and is nonhazardous		11-35%	

## PHYSICAL AND CHEMICAL DATA

**Vapor Pressure:** 47mm Hg at 20°C

**Vapor Density:** >1 (air = 1)

**Specific Gravity:** 1.34

**Freezing Point:** -86°C

**Boiling Point:** 175°F

**VOC:** 593g/l

**Reduced VOC:** 770g/l

**Appearance:** Black liquid

## FIRE AND EXPLOSION HAZARD DATA

**Flash Point:** 24°F (Pensky-Martens closed cup)

**Flammable Limits:** 1.8% - 10.0%

**Fire Fighting Instructions:** dry chemical, CO<sub>2</sub>, water spray or regular foam should be used

**Hazardous Combustion or Decomposition Products:** oxides of carbon, oxides of lead, oxides of antimony and oxides of sulfur

## HEALTH HAZARD DATA

**Ingestion:** contains lead. May cause loss of appetite, nausea, vomiting, constipation, abdominal cramps, sleep disturbance and general weakness. Ingestion of dried film may also cause these symptoms.

**Eyes:** May cause severe irritation.

**Skin:** May cause moderate irritation.

**Inhalation:** Vapors and mists generated from this product may be harmful if inhaled.

### ***EMERGENCY AND FIRST AID***

**Ingestion:** Wash out mouth with water provided person is conscious. Call poison control for further instructions. **DO NOT INDUCE VOMITING.**

**Skin:** Flush immediately with plenty water followed by washing with soap and water.

**Eye:** Flush eyes immediately with plenty water for at least 30 minutes. Consult a poison center, emergency room or eye specialist for additional information and guidance.

**Inhalation:** Remove person to fresh air. Apply artificial respiration and other supportive measures as required. Consult a poison center, emergency room or lung specialist for further information and guidance.

### ***REACTIVITY DATA***

This product is stable and hazardous polymerization will not occur. This product is incompatible with strong oxidizers.

### ***SPILL, DISPOSAL AND STORAGE INFORMATION***

**Spill:** Eliminate all ignition sources. Vapor suppressing foam may be used to reduce vapors. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Use non-sparking tools to handle absorbed material.

**Disposal:** Comply with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal .

**Storage:** Store at ambient temperature. Keep container closed and grounded in a well-ventilated location.

### ***PROTECTIVE EQUIPMENT AND CONTROL MEASURES***

**Engineering Controls:** Sufficient mechanical ventilation to maintain exposure below TLV's. NIOSH/MSHA Schedule TC-23C-air purifying respirator may also be used.

**Eye:** Vapor tight chemical-type splash goggles should be worn when the possibility exists for splashing or spraying of chemicals or for the generation of airborne particles or vapors.

**Skin:** Wear protective clothing. (neoprene or nitrile gloves and an impermeable apron or disposable suit).

### ***SECTION 313 SUPPLIER NOTIFICATION***

This product contains the following Section 313 listed chemicals:

Toluene, Dibasic lead phosphate, antimony trioxide and methyl ethyl ketone.

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The information presented is believed to be correct and is the most accurate information available to us at this time. However, Ladd Research makes no warranty, express or implied, and assumes no liability for this information and the product described herein.