

MATERIAL SAFETY DATA SHEET

Product Name: Molydag 210
Catalog Number: DAG210
DOT Hazard Class: 3 (Flammable Liquid)
DOT Proper Shipping Name: Paint
UN/NA ID No.: UN1263
MSDS Prepared: 9/2011

Distributed By: Ladd Research
83 Holly Court
Williston, VT 05495
(802) 658-4961

INGREDIENTS

	<i>CAS Number</i>	<i>Percent</i>	<i>Exposure Limits</i>
Isopropanol	67-63-0	60-100	400ppm TWA OSHA PEL
Light aromatic solvent naphtha	64742-95-6	1-5	Not Determined
Non-hazardous molybdenum compounds		Balance	

PHYSICAL AND CHEMICAL DATA

Appearance and Odor: Greenish liquid with alcohol odor

Odor Threshold: 7.5ppm

Boiling Point: 82°C

Melting/Freezing Point: -88.8°C

Solubility in Water: Soluble

Partition Coefficient: (n-octanol/water) -0.14

Viscosity: 325cPs at 25°C

Specific Gravity: 0.91

Evaporation Rate: 2.9 (n-Butyl acetate = 1)

Vapor Pressure: 33 mmHg

Vapor Density: 2.07 (air = 1)

Volatiles: 75 – 85% by weight

VOC: 710 g/liter

FIRE AND EXPLOSION HAZARD DATA

Autoignition: 398.8°C

Flash Point: 11.6°C

Extinguishing Media: Alcohol foam, water spray or fog, CO₂, dry chemical.

Fire and Explosion Hazards: Dangerous fire hazard when exposed to heat or flame.

Combustion will evolve toxic and irritant vapors. The vapor is heavier than air and may travel a considerable distance to a source of ignition and flashback. Containers can build up pressure if exposed to heat and may explode.

Hazardous Combustion Products: Carbon monoxide, carbon dioxide, unknown hydrocarbons

Lower Explosion Limit (%): 2.0%/vol

Upper Explosion Limit (%): 12.0%/vol

HEALTH HAZARD DATA

Eye: Will cause eye irritation.

Skin: Repeated or prolonged skin contact may result in mild irritation. May be absorbed through skin.

Inhalation: Vapor may irritate respiratory tract.

Ingestion: May cause irritation of mouth, throat and digestive tract and depression of the central nervous system. Slightly toxic. Aspiration into lungs may cause chemical pneumonitis.

EMERGENCY AND FIRST AID

Eye: Immediately irrigate with eyewash solution or clean water for at least 15 minutes. Obtain immediate medical attention.

Skin: Wash skin with soap and water.

Inhalation: Remove patient to fresh air. Obtain medical attention if irritation persists.

Ingestion: If swallowed, DO NOT induce vomiting. Keep at rest. Aspiration into lungs may cause chemical pneumonitis, which can be fatal. If patient is conscious, give water to dilute stomach contents. Obtain prompt medical attention.

REACTIVITY DATA

Stability: Stable under normal temperatures and pressures.

Materials to Avoid: Strong oxidizers, aldehydes, strong acids.

Conditions to Avoid: Avoid high temperatures and oxidizing substances.

Hazardous Polymerization: Not applicable.

Reactivity: Can form peroxides on contact with air.

SPILL, DISPOSAL AND STORAGE INFORMATION

Spill: Ventilate area. Wear relevant protective gear. Isolate source of leak. Do not allow to enter drains, sewers or watercourses. Pump or sweep up as much as possible. Use inert material (sand, sawdust, vermiculite, etc.) if necessary. Place into proper waste containers for disposal.

Disposal: Disposal should be in accordance with local, state and national regulations.

Storage: Store in a well ventilated place at less than 90°F, away from heat and other sources of ignition. Store away from oxidizing agents. Ground containers securely when transferring contents.

PROTECTIVE EQUIPMENT AND CONTROL MEASURES

Ventilation: Provide local exhaust to meet published exposure limits.

Eye: Safety glasses, goggles or face shield.

Gloves: Impervious neoprene or rubber gloves.

Clothing: Uniforms, coveralls, or a lab coat should be worn if necessary

Wash Stations: Showers and eye wash equipment must be provided at handling points.

SECTION 313 SUPPLIER NOTIFICATION

This product contains isopropyl alcohol which is present at 71.789% by weight and is subject to the reporting requirements of Sara Section 313.

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.