



## MATERIAL SAFETY DATA SHEET

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### 1. PRODUCT AND COMPANY IDENTIFICATION

FOR MEDICAL AND TRANSPORTATION EMERGENCIES  
 24 Hour INFOTRAC (US and CANADA): 800-535-5053

**PRODUCT NAME**  
 UNITED 169 BLACK KNIGHT

**USE/DESCRIPTION**  
 Dry Moly Lube

**REVISION DATE**  
 July 14, 2010

### HMIS III HEALTH (0 = Maximum Safety) 2

Always follow Label Directions and Cautions.

\* Chronic 2 Moderate  
 4 Severe 1 Slight  
 3 Serious 0 Minimal  
**See Hazards Identification Section of this MSDS for more detailed information.**

### PHYSICAL HAZARD (0 = Maximum Safety) 1

Susceptible to Release of Energy.

4 May detonate-vacate area if materials are exposed to fire. 2 Violent chemical change possible-use hose stream from distance  
 3 Strong shock of heat may detonate-use monitors from behind explosion resistant barriers. 1 Unstable if heated-use precaution.  
0 Normally stable.

### FLAMMABILITY (0 = Maximum Safety) 1

Susceptibility of Material to Burning.

4 Extremely flammable. 1 Must be preheated  
 3 Ignites at normal temperature. to burn.  
 2 Ignites when moderately heated. 0 Will not burn.

**PERSONAL PROTECTION: G**



### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	CAS#	%Range	ACGIH (TLV-TWA)	OSHA (PEL-TWA)	LD50 (Species/Route)	LC50 (Species)
Methylene Chloride	75-09-2	50-60	25 ppm	25 ppm	NE	NE
Toluene	108-88-3	1-10	100 ppm	100 ppm	NE	NE
Isopropyl Alcohol	67-63-0	1-10	400 ppm	400 ppm	NE	NE
Liquified Petroleum Gas	68476-85-7	20-30	1000 ppm	1000 ppm	NE	NE

### 3. HAZARDS IDENTIFICATION

**Eyes:** May cause pain. May cause eye irritation. May cause corneal injury. Vapors may irritate eyes.

**Skin:** Frequent or prolonged contact may cause irritation, dryness.

**Inhalation:** Inhalation of mist can cause irritation of nasal and respiratory passages. Abusive or excessive inhalation may cause irritation to the upper respiratory tract, dizziness, nausea and other central nervous system effects.

**Ingestion:** May cause gastrointestinal irritation, nausea, vomiting, and diarrhea. Aspiration of material into the lungs can cause chemical pneumonitis.

### 4. FIRST AID MEASURES

**Eyes:** Flush with large amounts of cool running water for at least 15 minutes while holding upper and lower lids open. If irritation persists, call a physician or poison control center immediately.

**Skin:** Wash with soap and water and remove contaminated clothing. If irritation persists, call a physician or poison control center.

**Inhalation:** Remove to fresh air. Call a physician or poison control center immediately. If breathing stops give artificial respiration.

**Ingestion:** DO NOT induce vomiting. Call a physician or poison center immediately.

### 5. FIRE FIGHTING MEASURES

**Flash Point (TCC):** (of Concentrate Only) none to boil **Explosive Limits:** Lower (LEL): ND Upper (UEL): ND

**Flame Projection (Aerosol):** Extremely Flammable per 16 CFR 1500.3 and 1500.45.

**Hazardous Products of Combustion:** When strongly heated, as in a fire, may form carbon dioxide, carbon monoxide.

**Fire and Explosion Hazards:** Do not expose aerosols to temperatures above 120°F/49°C or the container may burst or rupture due to pressure build-up, greatly increasing the fire hazard.

**Extinguishing Media:** Foam, CO<sub>2</sub>, and Dry Chemical.

**Fire Fighting Instructions:** Wear self-contained breathing apparatus w/full protective clothing. Containers should be cooled with water fog to prevent vapor pressure build up. Exposure to temperature over 120°F/49°C may cause bursting or venting.

### 6. ACCIDENTAL RELEASE MEASURES

**Small Spills:** Allow propellant to evaporate. Maintain local exhaust and adequate ventilation. Eliminate all sources of ignition. Absorb liquid with inert absorbent material and sweep up. Wash area to prevent slipping. Place in a closed container for disposal.

**Large Spills:** Allow propellant to evaporate. Maintain local exhaust and adequate ventilation. Eliminate all sources of ignition. Contain liquid and absorb with inert absorbent material and sweep up. Prevent entry into sewer and waterways. Place in a closed container for disposal.

## 7. HANDLING AND STORAGE

Store in a cool, dry area away from heat or open flame. Do not puncture or incinerate containers. Do not store at temperatures above 120°F/49°C. For Industrial and Institutional use only. NFPA Code 30 B Storage Level Number 3 Aerosol. **KEEP OUT OF REACH OF CHILDREN.**

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Eyes:** Wear safety glasses or chemical safety goggles.

**Skin:** Chemical resistant gloves

**Respiratory:** None needed for proper use in accordance with label directions. If ventilation is not adequate to reduce vapors below TLV levels, use a NIOSH/MSHA approved air-purifying respirator equipped with an organic vapor cartridge for short term exposures. For long term exposure, use supplied air respirator.

**Engineering Controls:** Provide adequate ventilation and provide local exhaust to keep vapor concentration below TLV and prevent accumulation of excessive vapors to minimize flammable conditions.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Boiling Point:** ~108°F/42°C **Specific Gravity:** @75°F 1.2 (H<sub>2</sub>O=1) **Vapor Pressure:** 60 psig **Melting Point:** ND

**Vapor Density:** >1 **Evaporation Rate:** ND **Solubility in Water:** Negligible **pH:** NA

**Appearance and Odor:** Aerosol; dark gray viscous liquid with solvent odor.

## 10. STABILITY AND REACTIVITY

**Hazardous Polymerization:** Will not occur.

**Hazardous Decomposition:** When ignited or strongly heated, as in a fire this product may produce carbon dioxide, carbon monoxide.

**Chemical Stability:** Stable

**Incompatibility:** Avoid contact with strong oxidizing agents.

## 11. TOXICOLOGICAL INFORMATION

**Carcinogenicity (NTP/IARC/OSHA):** Yes – Methylene Chloride CAS # 75-09-2

**California Proposition 65:** Does this product contain chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm? Yes

## 12. ECOLOGICAL INFORMATION

ND

## 13. DISPOSAL CONSIDERATIONS

Consult your local, state and federal regulations for proper disposal guidelines. Do not puncture or incinerate containers. Disposal regulations may be different for each state and/or locality. Aerosol cans when vented to atmospheric pressure through normal use pose no disposal hazard and should be recycled.

## 14. TRANSPORT INFORMATION

**DOT:** Available upon request

**TDG:** Available upon request

**UN:** Available upon request

## 15. REGULATORY INFORMATION

**VOC (Volatile Organic Compounds):** 36.1%

**TSCA (Toxic Substances Control Act):** Listed

**SARA Title III Section 302 EHS:** ND

**SARA Title III Section 311/312:** ND

**SARA Title III Section 313 Toxic Chemicals:** Methylene Chloride CAS # 75-09-2, Toluene CAS # 108-88-3

**WHMIS Classification:**

This product has been classified in accordance with the hazard criteria of the CPR (Controlled Products Regulations/ WHMIS) and the MSDS contains all the information required by the CPR.

## 16. OTHER INFORMATION

Read and follow all label directions and precautions before using this product. These products are intended for industrial and institutional use only. NOT FOR HOUSEHOLD USE OR RESALE. KEEP OUT OF REACH OF CHILDREN.

**UNITED 169 BLACK KNIGHT**

**PREPARED BY:** Sandy Kopacz