

Product code DA6951

Product name KRYOLIUM - GLOSS BLACK

**PRUMMOND AMERICAN**

### Material Safety Data Sheet

Revision Date  
13-Sep-2006

#### 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

**Product code** DA6951  
**Product name** KRYOLIUM - GLOSS BLACK  
**Recommended Use** Coating  
**Supplier** Drummond American Corporation  
510 Corporate Village Parkway  
Venon Hills, IL 60090  
(817) 913-8913  
(888) 426-4851

#### 2. HAZARDS IDENTIFICATION

**Emergency Overview**  
Inflant. Extremely flammable.  
**Aggravated Incidental Conditions**  
Repirs have associated prolonged overexposure to solvents with permanent brain and nervous system damage.  
**Principal Routes of Exposure**  
Eyes, Inhalation.  
**Pathological health effects**  
Irritation, Swelling  
Skin Irritation  
Irritating to respiratory system. May cause irritation of the nose and throat. Drowsiness. Central nervous system effects. Dizziness, Headaches. Fatigue. Exposure to hot fumes may cause nausea and dizziness to respiratory system. Repeated and prolonged exposure may cause damage to the liver, kidneys, and lungs.  
**First Aid**  
Inhalation: Remove to fresh air. If symptoms persist, call a physician.  
Ingestion: Drink plenty of water. Do not induce vomiting unless instructed by a physician.  
Eye Contact: Flush with water for at least 15 minutes. Seek medical attention if irritation persists.  
Skin Contact: Wash area thoroughly with soap and water. Remove and wash contaminated clothing before re-use.

#### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS# No	Weight %
Propylene Glycol	67-63-1	10-30
Aluminum Oxide	74-29-8	5-10
Barium Sulfate	7727-43-7	5-10
Ethylene glycol monomethyl ether	2607-30-9	3-7
Methylhydroxy ketone	108-10-1	3-7
Methyl Propyl Ketone	107-87-9	1-5
Xylene (mks)	1330-20-7	1-5
PM Acetate	108-95-6	1-5
Isobutyl acetate	110-19-0	1-5

#### 4. FIRST AID MEASURES

**Eyes contact** Remove to fresh air. Rinse thoroughly with plenty of water, also under the eyelids. Seek medical attention if irritation persists.  
**Skin contact** Wash area thoroughly with soap and water. Remove and wash contaminated clothing before re-use.  
**Ingestion** Call a physician or Poison Control Center immediately.  
**Inhalation** Move to fresh air. If symptoms persist, call a physician.

#### 5. FIRE FIGHTING MEASURES

**Flash point °C** -19  
**Flash point °F** -2  
**Autoignition temperature °C** No data available  
**Autoignition temperature °F** No data available  
**Flammability Limits (% in Air)**  
Upper 13.0  
Lower 1.7  
**Specific Information for Aerosol Products:**  
Flare extension 15"  
Flashback None  
Suitable extinguishing media Carbon dioxide (CO2). Water spray. Alcohol resistant foam. Sand.  
**Special protective equipment for firefighters** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.  
**Fire and Explosion hazards** Flammable liquid and vapor. May cause irritation to the respiratory system. May cause irritation of the nose and throat. Drowsiness. Central nervous system effects. Dizziness, Headaches. Fatigue. Exposure to hot fumes may cause nausea and dizziness to respiratory system. Repeated and prolonged exposure may cause damage to the liver, kidneys, and lungs.  
**Sensitivity to shock** No information available.  
**Sensitivity to static discharge** No information available.

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#### Ventilation and Environmental Controls

Adequate ventilation should be provided to keep exposure levels below current acceptable exposure limits.

#### 6. ACCIDENTAL RELEASE MEASURES

Methods for cleaning up Personnel should wear appropriate protective equipment. Follow all instructions for handling. Please refer to appropriate sections of MSDS for additional information. Evacuate area or remove personnel if necessary. Do not allow fire to get out of control. Do not use water or high pressure hoses to clean up spill. Do not use water or high pressure hoses to clean up spill. Dispose of waste in accordance with local, state and federal regulations.

#### 7. HANDLING AND STORAGE

**Handling** Do not spray on a naked flame or any other incandescent material. Do not smoke. Protect against electrostatic charges. Do not puncture or incinerate. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flames, and other sources of ignition.  
**Storage** Small pressurized containers of flammable product may be stored in areas suitable for ordinary commodities with respect to construction, drainage, control of ignition sources, and ventilation. Do not store in hot areas. Keep away from direct sunlight. Do not freeze.  
**MSHA Storage Code** Store as Level 3 Aerosol (NFPA 308)

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Form** Aerosol  
**Color** Black  
**Odor** Solvent  
**Odor Threshold** Not Applicable  
**pH** Not Applicable  
**Specific Gravity** 0.77-0.90  
**Vapor pressure** 2750 kPa  
**Vapor density** No data available  
**Evaporation Rate** No data available  
**Water solubility** 46.2% to 100%  
**Volatility** 46.2% to 100%  
**Flash point °C** -47  
**Flash point °F** -51

Chemical Name	OSHA PEL (TWA)	OSHA PEL (Ceiling)	ACGIH PEL (TWA)	ACGIH PEL (STEL)	ACGIH OEL (STEL)
Acetone	1000 ppm		500 ppm		750 ppm
Propene	1000 ppm		1000 ppm		
1-Butane	1000 ppm		1000 ppm		
Butane	1000 ppm		1000 ppm		
Sulfide	0.5 mg/m <sup>3</sup> as dust		0.5 mg/m <sup>3</sup> as dust		16 mg/m <sup>3</sup>
Ethylene glycol monomethyl ether	100 ppm		100 ppm		75 ppm
Methyl Propyl Ketone	400 ppm		200 ppm		250 ppm
Xylene (mks)	100 ppm		100 ppm		150 ppm
PM Acetate	150 ppm		150 ppm		
Isobutyl acetate	700 mg/m <sup>3</sup>		700 mg/m <sup>3</sup>		

#### 10. STABILITY AND REACTIVITY

**Stability** Stable under normal conditions.  
**Conditions to avoid** Do not store in temperatures above 120 degrees F.  
**Incompatibility** None known.

#### 11. TOXICOLOGICAL INFORMATION

**Hazardous Decomposition Products** None known.  
**Polymerization** Hazardous polymerization does not occur.

Component information.

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Chemical Name	LD50 (oral, rat)	LD50 (dermal, rabbit)	LC50 (Inhalation, rat)
Acetone	1000 mg/kg	2000 mg/kg	78 mg/L
Propane	-	658 mg/kg	-
n-Butane	-	-	658 g/m <sup>3</sup>
Methylsulfonyl ethane	2089 mg/kg	960 µL/kg	-
Ethylene glycol	2080 mg/kg	10000 mg/kg	6.2 mg/L
Methylsulfonyl ethane	1600 mg/kg	6500 mg/kg	-
Acetone	1300 mg/kg	1700 mg/kg	5000 ppm
n-Butane	8532 mg/kg	5000 mg/kg	-
Methylsulfonyl ethane	13400 mg/kg	5000 mg/kg	-

**Systemic Products**  
None known

**Practical health effects**  
None known

**Sensitization**  
None known

**Chronic toxicity**  
See Section 2.

**Mutagenic effects**  
None known

**Teratogenic effects**  
None known

**Reproductive toxicity**  
None known

**Target Organ Effects**  
None known

**Carcinogenic effects**  
None known

See table below

Chemical Name	ACGIH OEL - Carcinog ens	IARC	NTP - Carcinog ens	RTP - Suspecte Carcinog ens	OSHA - RTK Carcinog ens
Acetone	Listed	Not Listed	Not Listed	Not Listed	Not Listed
Propane	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
n-Butane	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Ethylsulfonyl ethane	Listed	Not Listed	Not Listed	Not Listed	Not Listed
Ethylene glycol	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Methylsulfonyl ethane	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Acetone	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Methylsulfonyl ethane	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Acetone	Listed	Not Listed	Not Listed	Not Listed	Not Listed
n-Butane	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Methylsulfonyl ethane	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

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**12. ECOLOGICAL INFORMATION**

**Acetone**  
Water Flea Data  
water flea LC50=0.0078 mg/L (48 h)  
water flea EC50= 12700 mg/L (48 h)

**n-Butane**  
Methylobiolum helgolicum  
Microtox Data  
Photobacterium phosphoreum EC50=73.6 mg/L (5 min)  
water flea EC50=4260.0 mg/L (24 h)

**Ethylene glycol**  
Microtox Data  
Photobacterium phosphoreum EC50=0.0084 mg/L (24 h)  
water flea EC50=3.62 mg/L (48 h)

**Aquatic toxicity** Harmful to aquatic organisms

**13. DISPOSAL CONSIDERATIONS**

Disposal Information  
Do not contaminate water, foodstuffs, feed, or feed by disposal.  
Waste from residues / unused products  
Do not pour or otherwise release into the environment. Please recycle empty containers whenever possible. Dispose in accordance with federal, state, and local regulations.

**14. TRANSPORTATION INFORMATION**

DOT  
UN1950 Aerosols, Flammable (Propane/n-Butane/Acetone), Class 2.1  
Exception: Compressed Gas not more than 1.0L Consumer Commodity ORM-D

TAG  
UN1950 AEROSOLS (Propane/n-Butane/Acetone), Class 2.1

IMDG/IMO  
UN1950 AEROSOLS (Propane/n-Butane/Acetone), Class 2.1

IATA  
UN1950 Aerosols, Flammable (Propane/n-Butane/Acetone), Class 2.1

ICAO  
UN1950 AEROSOLS (Propane/n-Butane/Acetone), 2.1

**15. REGULATORY INFORMATION**

Chemical Name US EPA SARA 313 Emission Reporting  
n-Butane  
Ethylene glycol  
Methylsulfonyl ethane  
Acetone  
Xylene (mix)

Chemical Name	New Jersey	RTK	Pennsylvania	RTK	California Prop. 65
Acetone	Listed	Listed	Listed	Listed	Not Listed
Propane	Listed	Listed	Listed	Listed	Not Listed
n-Butane	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Ethylene glycol	Not Listed	Not Listed	Listed	Listed	Not Listed
Methylsulfonyl ethane	Not Listed	Not Listed	Listed	Listed	Not Listed
Acetone	Listed	Listed	Listed	Listed	Not Listed
Methylsulfonyl ethane	Not Listed	Not Listed	Listed	Listed	Not Listed
Xylene (mix)	Not Listed	Not Listed	Listed	Listed	Not Listed
PM Acetate	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Isobutyl acetate	Listed	Listed	Listed	Listed	Not Listed

Chemical Name	ENECS	DSL	NDSL	TSCA
Acetone	X	X	X	X
Propane	X	X	X	X
n-Butane	X	X	X	X
Barium Sulfate	X	X	X	X
Ethylene glycol monomethyl ether	X	X	X	X
Methylsulfonyl ethane	X	X	X	X
Methyl Propyl Ketone	X	X	X	X
Xylene (mix)	X	X	X	X
PM Acetate	X	X	X	X
Isobutyl acetate	X	X	X	X

**16. OTHER INFORMATION**

CPRC  
This product has been classified in accordance with the hazard criteria of the Controlled Product Regulations and the MSDS contains all of the information required by the Controlled Product Regulations

**HEALTH**  
Health - 1  
Flammability - 4  
Reactivity - 3

**HAZARD**  
Health - 1  
Flammability - 4  
Physical Hazard - 3

Prepared By  
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The information accumulated herein is believed to be accurate, but is not warranted to be, whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.