DRUMMOND™
A LAWSON BRAND

Material Safety Data Sheet

Revision Date *03-May-2011*

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product code DA6331
Product name Black Magic
Recommended Use Lubricant

Supplier
Drummond American
A Lawson Products Company
600 Corporate Woods Parkway
Vernon Hills, IL 60061
(847) 913-9313

Emergency telephone number (888) 426-4851

2. HAZARDS IDENTIFICATION

Emergency Overview
Flammable. Irritating to respiratory system. Irritating to eyes. Vapors may cause flash fire or explosion.

Aggravated Medical Conditions
None Known

Principal Routes of Exposure
Eyes. Skin contact. Inhalation. Ingestion.

Potential health effects

Eyes May cause the following effects:. Irritation. Pain. Tearing. Reddening. Swelling. Stinging sensation. Feeling like that of fine dust in the eye.

Skin Repeated or prolonged exposure may cause:. Skin Irritation. Dermatitis. Defatting.

Inhalation Harmful by inhalation. Long-term exposure may cause the following effects:. Headaches. Dizziness. Nausea. Decreased blood pressure. Changes in heart rate. Cyanosis. Central nervous system effects. Lung damage.

Ingestion May be harmful if swallowed.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
2-Propanone	67-64-1	15-40
Propane/Isobutane/N-Butane	68476-86-8	30-60
Dimethylbenzene	1330-20-7	10-30
Isopropyl alcohol	67-63-0	3-7
Ethyl benzene	100-41-4	3-7
Molybdenum sulfide	1317-33-5	1-5

4. FIRST AID MEASURES

Eye contact Flush eyes with plenty of water. Seek medical attention if irritation persists.

Skin contact Wash off immediately with plenty of water. Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Seek medical attention if irritation persists.

Ingestion Immediate medical attention is required. Do Not induce vomiting. Give victim a glass of water or milk. Call a physician or Poison Control Center immediately. Never give anything by mouth to an unconscious person.

Inhalation Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Immediate medical attention is required.

5. FIRE FIGHTING MEASURES

Flash point °C -104
Flash point °F -156
Method Pensky-Martens C.C.

Autoignition temperature °C No data available
Autoignition temperature °F No data available

Flammability Limits (% in Air)
Upper 12.8
Lower 0.8

Suitable extinguishing media
Alcohol foam. Carbon dioxide (CO2). Dry chemical. Foam. Water fog.

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
Flash back possible over considerable distance. Keep product and empty container away from heat and sources of ignition. Empty containers contain residue and/or vapors. Do not weld, cut, pressurize, braze, solder, drill, grind, or expose such containers to heat, sparks, flame, static electricity, or other sources of ignition. They may explode and cause injury or death. Vapors are heavier than air and may travel along the ground to an ignition source distant from material handling area. Possible ignition sources include pilot lights, flames, lighted cigarettes, heating elements, electric motors, sparks from electrical switches.

Sensitivity to shock
No information available.

Sensitivity to static discharge
No information available.

6. ACCIDENTAL RELEASE MEASURES

Methods for cleaning up
Dam and contain spill using sand or other inert material. Place in suitable container for disposal as hazardous waste.

7. HANDLING AND STORAGE

Handling
Thoroughly wash hands and exposed skin after handling. Keep in a well-ventilated place. Use only according to label directions. Handle empty containers as if they were full. Minimize skin contact. Avoid breathing vapors. Avoid contact with skin, eyes and clothing.

Storage
Keep away from open flames, hot surfaces and sources of ignition. Do not freeze.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name	OSHA PEL (TWA)	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Propane/Isobutane/N-Butane	-	-	-	N/D
2-Propanone	1000 ppm 2400 mg/m^3	-	500 ppm	750 ppm
Dimethylbenzene	100 ppm 435 mg/m^3	-	100 ppm	150 ppm
Isopropyl alcohol	400 ppm 980 mg/m^3	-	200 ppm	400 ppm
Ethyl benzene	100 ppm 435 mg/m^3	-	100 ppm	125 ppm
Molybdenum sulfide	-	-	-	-

Ventilation and Environmental Controls
Use enough ventilation, local exhaust at the work area, general, or both, to keep below the TLV's in the worker's breathing zone and the general area.

Hygiene measures
Wash hands before eating or using the washroom.

Other precautions
Avoid contact with skin, eyes and clothing.

Respiratory protection
If the exposure limits are exceeded, a NIOSH/MSHA approved respirator is recommended. Wear a positive-pressure supplied-air respirator. Seek professional advise prior to respirator selection and use.

Hand Protection
The following glove(s) must be worn:. Chemical resistant gloves. Consult glove manufacturer to determine the proper type for a specific operation.

Eye protection
Wear safety glasses with side shields. Face shield is recommended.

Skin and body protection
Impervious clothing.

Other Protective Equipment
The following items should be worn when using this product:. Rubber boots.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Aerosol
Color	Black
Odor	Solvent
Odor Threshold	No information available
pH	No data available
Specific Gravity	0.6730
Vapor pressure	80-90
Vapor density	>Air
Evaporation Rate	>1 (Butyl Acetate = 1)
Water solubility	Negligible
VOC Content	3.87 lbs/gal; 463 g/l
Partition Coefficient (n-octanol/water)	No data available
Boiling point/range °C	-41 - 140
Boiling point/range °F	-43 - 284
Melting point/range °C	0
Melting point/range °F	32
Flash point °C	-104
Flash point °F	-156

10. STABILITY AND REACTIVITY

Stability
Stable under normal conditions.

Conditions to avoid
Contact with ignition sources, hot-glowing surfaces, electrical arcs, sparks, and open flame. Do not use near welding arcs.

Incompatability
Strong acids. Oxidizers. Amines. Alkalis.

Hazardous Decomposition Products
Carbon oxides. Nitrogen oxide. Chlorine. Chlorides. Phosgene .

Polymerization
Will not occur.

11. TOXICOLOGICAL INFORMATION

Component Information

Chemical Name	LD50 (oral,rat)	LD50 (dermal,rat/rabbit)	LC50 (inhalation,rat)
Propane/Isobutane/N-Butane 68476-86-8	-	-	-
2-Propanone 67-64-1	5800 mg/kg	-	-
Dimethylbenzene 1330-20-7	4300 mg/kg	1700 mg/kg	47635 mg/L 5000 ppm
Isopropyl alcohol 67-63-0	4396 mg/kg	12800 mg/kg 12870 mg/kg	72.6 mg/L
Ethyl benzene 100-41-4	3500 mg/kg	15354 mg/kg	17.2 mg/L
Molybdenum sulfide 1317-33-5	-	-	2820 mg/m^3

Synergistic Products None known

Potential health effects

Sensitization None known

Chronic toxicity None known

Mutagenic effects None known

Teratogenic effects None known

Reproductive toxicity None known

Target Organ Effects Long term exposure to vapor may cause kidney damage. Long term exposure to vapor may cause lung damage.

Carcinogenic effects See table below

Chemical Name	ACGIH OEL - Carcinogens	IARC	NTP - Known Carcinogens	NTP - Suspected Human Carcinogens	OSHA RTK Carcinogens
Propane/Isobutane/N-Butane	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
2-Propanone	Listed	Not Listed	Not Listed	Not Listed	Not Listed
Dimethylbenzene	Listed	Not Listed	Not Listed	Not Listed	Not Listed
Isopropyl alcohol	Listed	Not Listed	Not Listed	Not Listed	Not Listed
Ethyl benzene	Listed	Group 2B	Not Listed	Not Listed	Listed
Molybdenum sulfide	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

12. ECOLOGICAL INFORMATION

2-Propanone
Microtox Data
Photobacterium phosphoreum EC50=14500 mg/L (15 min)
Water Flea Data
water flea hEC50 48 (0.0039 mg/L)
water flea hEC50 48 (12700 mg/L)
Daphnia magna hEC50 48 (12600 mg/L)
water flea hEC50 48 (0.0039 mg/L)

Dimethylbenzene
Microtox Data
Photobacterium phosphoreum EC50=0.0084 mg/L (24 h)
Water Flea Data
water flea hEC50 48 (3.82 mg/L)
Gammarus lacustris hLC50 48 (0.6 mg/L)
water flea hEC50 48 (3.82 mg/L)

Isopropyl alcohol
Microtox Data
Photobacterium phosphoreum EC50=35390 mg/L (5 min)
Water Flea Data
Daphnia magna hEC50 48 (13299 mg/L)

Ethyl benzene
Microtox Data
Photobacterium phosphoreum EC50=9.68 mg/L (30 min)
Nitrosomonas EC50=96 mg/L (24 h)
Water Flea Data
Daphnia magna hEC50 48 (1.8 - 2.4 mg/L)

13. DISPOSAL CONSIDERATIONS

Disposal Information
Dispose in accordance with federal, state, and local regulations.

14. TRANSPORTATION INFORMATION

DOT
Consumer commodity, ORM-D

TDG
UN1950 AEROSOLS, flammable, containing substances in Class 6.1, 2.1 (6.1)

15. REGULATORY INFORMATION

US EPA SARA 313

Chemical Name	US EPA SARA 313 Emission Reporting
Dimethylbenzene	Listed
Isopropyl alcohol	Listed
Ethyl benzene	Listed

State Regulations

Chemical Name	New Jersey - RTK	Pennsylvania - RTK	California Prop. 65
Propane/Isobutane/N-Butane	Not Listed	Not Listed	Not Listed
2-Propanone	Not Listed	Listed	Not Listed
Dimethylbenzene	Not Listed	Listed	Not Listed
Isopropyl alcohol	Listed	Listed	Not Listed
Ethyl benzene	Listed	Listed	Carcinogen
Molybdenum sulfide	Not Listed	Not Listed	Not Listed

International Inventories

Chemical Name	EINECS	DSL	NDSL	TSCA
Propane/Isobutane/N-Butane	X	X	-	X
2-Propanone	X	X	-	X
Dimethylbenzene	X	X	-	X
Isopropyl alcohol	X	X	-	X
Ethyl benzene	X	X	-	X
Molybdenum sulfide	X	X	-	X

CPR
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

16. OTHER INFORMATION

HMIS

Health - 2
Flammability - 4
Physical Hazard - 0

Prepared By H. Buck, Regulatory Affairs Manager

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.