DRUMMOND™
A LAWSON BRAND

Material Safety Data Sheet

Revision Date *15-Jun-2012*

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product code DA7920
Product name Joe's Garage
Recommended Use Cleaner

Supplier Drummond, A Lawson Brand
Lawson Products, Inc.
8770 W.Bryn Mawr Ave.- Suite 900
Chicago, IL 60631
1-866-529-7664

Emergency telephone number (888) 426-4851

2. HAZARDS IDENTIFICATION

Emergency Overview
Flammable. Irritant. May be harmful if swallowed.

Aggravated Medical Conditions
None Known

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

Potential health effects

Eyes Moderately irritating to the eyes.

Skin Substance may cause slight skin irritation. dermatitis.

Inhalation Shortness of breath. Dizziness. Light headedness.

Ingestion May cause chemical pneumonitis if aspirated into lungs.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
2-Butoxyethanol	111-76-2	3-7
Butane	106-97-8	1-5
Propane	74-98-6	1-5

4. FIRST AID MEASURES

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek medical attention.

Skin contact Wash area thoroughly with soap and water.

Ingestion If a large quantity of liquid is swallowed, do NOT induce vomiting. Drink 1 or 2 glasses of water. Never give anything by mouth to an unconscious person. Seek medical attention.

Inhalation Remove to fresh air. Provide oxygen if breathing is difficult. If not breathing, give artificial respiration. Keep warm and quiet. Seek medical attention.

5. FIRE FIGHTING MEASURES

Flash point °C -104
Flash point °F -156
Method No information available

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

Flammability Limits (% in Air)
Upper 9.5%
Lower 1.8%

Specific Information for Aerosol Products

Flame extension None
Flashback None

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

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
Material is highly volatile and readily gives off vapors. 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. Vapors of this product may develop a flammable atmosphere in confined areas. Water should be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat .

Sensitivity to shock
No information available.

Sensitivity to static discharge
No information available.

6. ACCIDENTAL RELEASE MEASURES

Methods for cleaning up
Evacuate area of unprotected and unnecessary personnel. Eliminate all sources of ignition. Prevent product from entering drains. Ventilate area to maintain exposure below permissible exposure limits. Soak up with inert absorbent material. Dispose of absorbent in accordance with local, state and federal regulations.

Clean-up methods - large spill
Dike or dam large spills. Do not allow product to reach sewage system, soil, surface or ground water, or any water course. Notify proper authorities if entry occurs.

7. HANDLING AND STORAGE

Handling
Keep container closed when not in use.

Storage
Keep container tightly closed. Keep away from direct sunlight. Keep away from open flames, hot surfaces and sources of ignition. Store in temperatures below 120 degrees F.

NFPA Storage Code
Store as Level 1 Aerosol (NFPA 30B)

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name	OSHA PEL (TWA)	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
2-Butoxyethanol	50 ppm 240 mg/m^3	-	20 ppm	-
Propane	1000 ppm 1800 mg/m^3	-	1000 ppm	-
Butane	800 ppm	-	1000 ppm	-

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
Remove and wash contaminated clothing before re-use.

Respiratory protection
When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Protection provided by air purifying respirators is limited. Use a positive pressure supplied air respirator. if there is any potential for an uncontrolled release:. where exposure levels are not known. or other circumstances where an air purifying respirator (P100) may not provide adequate protection .

Hand Protection
For prolonged or repeated skin contact, use a chemically resistant glove such as nitrile or neoprene. Wash hands with soap and water after removing gloves. Dry hands thoroughly before re-applying gloves. .

Eye protection
Use safety eyewear designed to protect against splash of liquids. ANSI approved safety glasses or splash goggles with face shield are recommended.

Skin and body protection
None necessary under normal conditions

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Aerosol
Color	Colorless
Odor	Clean & Fresh
Odor Threshold	No information available
pH	10
Specific Gravity	0.997
Vapor pressure	379.2 kPa
Vapor density	No data available
Evaporation Rate	<1 (ether = 1)
Water solubility	No data available
VOC Content	10%
Partition Coefficient (n-octanol/water)	Not Applicable
Boiling point/range °C	-42
Boiling point/range °F	-43.7
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
Heat, flames and sparks.

Incompatability
Strong oxidizing agents. Alkalies. Strong mineral acids. Chlorinated solvents. Active metals (i.e. zinc, magnesium, tin, aluminum and their alloys) .

Hazardous Decomposition Products
Carbon monoxide. Carbon dioxide. Trace phosgene gas.

Polymerization
Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

Component Information

Chemical Name	LD50 (oral,rat)	LD50 (dermal,rat/rabbit)	LC50 (inhalation,rat)
2-Butoxyethanol 111-76-2	470 mg/kg	220 mg/kg 2270 mg/kg	2.21 mg/L 450 ppm
Propane 74-98-6	-	-	658 mg/L
Butane 106-97-8	-	-	658 mg/L

Synergistic Products None known

Specific Hazards 2-Butoxyethanol may cause corneal injury and blood abnormalities, may be absorbed through the skin with toxic effects, and may cause damage to spleen and testes.

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 Prolonged skin contact with 2-butoxyethanol may result in the absorption of potentially harmful amounts leading to possible liver and kidney damage. Cardiovascular system.

Carcinogenic effects See Table Below.

Chemical Name	ACGIH OEL - Carcinogens	IARC	NTP - Known Carcinogens	NTP - Suspected Human Carcinogens	OSHA RTK Carcinogens
2-Butoxyethanol	A3	Not Listed	Not Listed	Not Listed	Not Listed
Propane	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Butane	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

12. ECOLOGICAL INFORMATION

2-Butoxyethanol

Water Flea Data

Daphnia magna EC501698 - 1940 mg/L (24 h)
Daphnia magna EC50>1000 mg/L (48 h)

13. DISPOSAL CONSIDERATIONS

Disposal Information
Full or partially full containers are considered hazardous waste.

Waste from residues / unused products
Dispose of all product, residues and clean-up materials in accordance with local, state, and federal regulations.

14. TRANSPORTATION INFORMATION

DOT
UN1950 Aerosols, flammable, 2.1.
Exception: (Compressed Gas not more than 1.0L) Consumer Commodity ORM-D

TDG
UN1950 AEROSOLS, flammable, 2.1

15. REGULATORY INFORMATION

Chemical Name	US EPA SARA 313 Emission Reporting
2-Butoxyethanol	Listed

State Regulations

Chemical Name	New Jersey - RTK	Pennsylvania - RTK	California Prop. 65
2-Butoxyethanol	Listed	Listed	Not Listed
Propane	Listed	Listed	Not Listed
Butane	Listed	Listed	Not Listed

International Inventories

Chemical Name	EINECS	DSL	NDSL	TSCA
2-Butoxyethanol	X	X	-	X
Propane	X	X	-	X
Butane	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

NFPA

Health - 3
Flammability - 4
Reactivity - 1

HMIS

Health - 3
Flammability - 4
Physical Hazard - 0

Prepared By V. Shargorodsky, Regulatory Affairs Engineer

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.