



1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: LG 100
PRODUCT USE: LUBRICANT
COMPANY: Mountain Supply & Service, LLC Phone: 903-753-2400
P.O. BOX 3111
Longview, TX 75601
Emergency telephone number: ChemTel: 800-255-3924

2. HAZARD(S) IDENTIFICATION

HAZARD CLASSIFICATION

PHYSICAL HAZARDS	Flammable liquids	Category 4
HEALTH HAZARDS	Acute toxicity (Oral)	Category 4
	Skin Corrosion/Irritation	Category 2
	Serious Eye Damage/Eye Irritation	Category 2A
ENVIRONMENTAL HAZARDS	Acute hazards to the aquatic environment	Category 2

LABEL ELEMENTS

HAZARD SYMBOL

SIGNAL WORD

HAZARD STATEMENT

Warning

Combustible liquid.

Harmful if swallowed.

Causes skin irritation.

Causes serious eye irritation.

Toxic to aquatic life.



PRECAUTIONARY STATEMENTS

PREVENTION Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wear protective gloves/protective clothing/eye protection/face protection. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid release to the environment.

RESPONSE IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention. IF SWALLOWED: Call a POISON CENTER/doctor/ if you feel unwell. Rinse mouth. Take off contaminated clothing.

STORAGE Store in well-ventilated place.

DISPOSAL Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

OTHER HAZARDS WHICH DO NOT RESULT IN GHS CLASSIFICATION None.



3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical identity	Common Name and Symptoms	CAS Number	Content in percent(%)*
TRADE SECRET	Proprietary,		30 - 40%
TRADE SECRET	Proprietary,		30 - 40%
Glycol Ether DPM		34590-94-8	10 - 20%
TRADE SECRET	Proprietary,		10 - 20%
TRADE SECRET	Proprietary,		<10%
Water		7732-18-5	10 - 20%
TRADE SECRET	Proprietary,		<=0.5%

*All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

Composition Comments: The components are not hazardous or are below required disclosure limits.

4. FIRST AID MEASURES

GENERAL INFORMATION: Get medical advice/attention.

INGESTION: Call a physician or poison control center immediately. Only induce vomiting at the instruction of medical personnel. Never give anything by mouth to an unconscious person.

INHALATION: Move to fresh air.

SKIN CONTACT: Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

EYE CONTACT: If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.

MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED

SYMPTOMS: No data available.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

TREATMENT: Symptoms may be delayed.

5. FIRE FIGHTING MEASURES

GENERAL FIRE HAZARDS:

Move containers from fire area if you can do so without risk.

SUITABLE (AND UNSUITABLE) EXTINGUISHING MEDIA

SUITABLE EXTINGUISHING MEDIA:

Extinguish with alcohol-resistant foam, carbon dioxide or dry powder.

UNSUITABLE EXTINGUISHING MEDIA:

No data available.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:

During fire, gases hazardous to health may be formed.

SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS

SPECIAL FIRE FIGHTING PROCEDURES:

No data available.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS:

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.



6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep unauthorized personnel away.

METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP:

Absorb spillage with non-combustible, absorbent material. All equipment used when handling the product must be grounded. Eliminate all ignition sources if safe to do so.

NOTIFICATION PROCEDURES:

Dike for later disposal. Prevent entry into waterways, sewer, basements or confined areas. Stop the flow of material, if this is without risk.

ENVIRONMENTAL PRECAUTIONS:

Do not contaminate water sources or sewer. Avoid release to the environment.

7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING:

Do not taste or swallow. Wash hands thoroughly after handling. Avoid contact with eyes. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid contact with skin.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:

Store in a well-ventilated place. Store in a cool place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS

Chemical identity	type	Exposure Limit Values	Source
Glycol Ether DPM	TWA	100 ppm	US. ACGIH Threshold Limit Values (03 2013)
	STEL	150 ppm	US. ACGIH Threshold Limit Values (03 2013)
	REL	100 ppm 600 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2010)
	STEL	150 ppm 900 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2010)
	PEL	100 ppm 600 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (Q2 2006) (29 CFR 1910.1000)
	STEL	150 ppm 900 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	TWA	100 ppm 600 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	TWA	100 ppm 600 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)
	STEL	150 ppm 900 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)
	ST ESL	3,100 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
	AN ESL	310 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)



OCCUPATIONAL EXPOSURE LIMITS CONT'D

	ST ESL	500 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (Q2 2013)
	AN ESL	50 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (Q2 2013)
	TWA PEL	100 ppm 600 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (Q2 2012)
	STEL	150 ppm 900 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (Q2 2012)
Graphene - Respirable fraction.	TWA	2 mg/m3	US. ACGIH Threshold Limit Values (03 2013)
Graphene - Respirable.	REL	2.5 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2010)
Graphene - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (Q2 2006)
Graphene - Respirable fraction.	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (Q2 2006)
Graphene - Respirable dust.	TWA	2.5 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	TWA	2.5 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)
Graphene - Particulate.	ST ESL	20 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (Q2 2013)
	AN ESL	2 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (Q2 2013)
Graphene - Respirable dust.	TWA PEL	2.5 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (02 2012)
Graphene	TWA	15 millions of particles per cubic foot of air	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)

APPROPRIATE ENGINEERING CONTROLS Provide adequate ventilation.

INDIVIDUAL PROTECTION MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT

GENERAL INFORMATION:

Provide easy access to water supply and eye wash facilities. Use personal protective equipment as required. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.

EYE/FACE PROTECTION:

Wear safety glasses with side shields (or goggles).

SKIN PROTECTION

HAND PROTECTION:

Chemical resistant gloves

OTHER:

Chemical resistant clothing

RESPIRATORY PROTECTION:

In case of inadequate ventilation use suitable respirator.

HYGIENE MEASURES:

Do not eat, drink or smoke when using the product. Wash hands after handling. Avoid contact with eyes. Observe good industrial hygiene practices. When using do not smoke. Wash contaminated clothing before reuse. Avoid contact with skin. Wash hands before breaks and immediately after handling the product.



9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE:	Liquid
FORM:	Liquid
COLOR:	No data available.
ODOR:	No data available.
ODOR THRESHOLD:	No data available.
pH:	No data available.
MELTING POINT/FREEZING POINT:	No data available.
INITIAL BOILING POINT AND BOILING RANGE:	> 100 °C
FLASH POINT:	> 70 °C
EVAPORATION RATE:	No data available.
FLAMMABILITY (SOLID, GAS):	No data available.
UPPER/LOWER LIMIT ON FLAMMABILITY OR EXPLOSIVE LIMITS	
FLAMMABILITY LIMIT - UPPER (%):	No data available.
FLAMMABILITY LIMIT - LOWER (%):	No data available.
EXPLOSIVE LIMIT - UPPER (%):	No data available.
EXPLOSIVE LIMIT - LOWER (%):	No data available.
VAPOR PRESSURE:	No data available.
VAPOR DENSITY:	No data available.
RELATIVE DENSITY:	0.98
SOLUBILITY(IES)	
SOLUBILITY IN WATER:	No data available.
SOLUBILITY (OTHER):	No data available.
PARTITION COEFFICIENT (N-OCTANOL/WATER):	No data available.
AUTO-IGNITION TEMPERATURE:	No data available.
DECOMPOSITION TEMPERATURE:	No data available.
VISCOSITY:	No data available.

10. STABILITY AND REACTIVITY

REACTIVITY:	No data available.
CHEMICAL STABILITY:	Material is stable under normal conditions.
POSSIBILITY OF HAZARDOUS REACTIONS:	Stable
CONDITIONS TO AVOID:	Heat, sparks, flames.
INCOMPATIBLE MATERIALS:	No data available.
HAZARDOUS DECOMPOSITION PRODUCTS:	No data available.

11 . TOXICOLOGICAL INFORMATION

SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS

INGESTION:	No data available.
INHALATION:	No data available.
SKIN CONTACT:	No data available.
EYE CONTACT:	No data available.



11 . TOXICOLOGICAL INFORMATION CONT'D

INFORMATION ON TOXICOLOGICAL EFFECTS

ACUTE TOXICITY (LIST ALL POSSIBLE ROUTES OF EXPOSURE)

ORAL

PRODUCT: ATEmix (): 1,415.89 mg/kg

DERMAL

PRODUCT: ATEmix (): 3,600 mg/kg

INHALATION

PRODUCT: No data available.

REPEATED DOSE TOXICITY

PRODUCT: No data available.

SKIN CORROSION/IRRITATION

PRODUCT: No data available.

SERIOUS EYE DAMAGE/EYE IRRITATION

PRODUCT: No data available.

RESPIRATORY OR SKIN SENSITIZATION

PRODUCT: No data available.

CARCINOGENICITY

PRODUCT: No data available.

IARC MONOGRAPHS ON THE EVALUATION OF CARCINOGENIC RISKS TO HUMANS:

No carcinogenic components identified

US. NATIONAL TOXICOLOGY PROGRAM (NTP) REPORT ON CARCINOGENS:

No carcinogenic components identified

US. OSHA SPECIFICALLY REGULATED SUBSTANCES (29 CFR 1910.1001-1050):

No carcinogenic components identified

GERM CELL MUTAGENICITY

IN VITRO

PRODUCT: No data available.

IN VIVO

PRODUCT: No data available.

REPRODUCTIVE TOXICITY

PRODUCT: No data available.

SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE

PRODUCT: No data available.

SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE

PRODUCT: No data available.

ASPIRATION HAZARD

PRODUCT: No data available.

OTHER EFFECTS: No data available.



12. ECOLOGICAL INFORMATION

GENERAL INFORMATION: Contains a substance which causes risk of hazardous effects to the environment.

ECOTOXICITY:

ACUTE HAZARDS TO THE AQUATIC ENVIRONMENT:

FISH

PRODUCT: No data available.

AQUATIC INVERTEBRATES

PRODUCT: No data available.

CHRONIC HAZARDS TO THE AQUATIC ENVIRONMENT:

FISH

PRODUCT: No data available.

AQUATIC INVERTEBRATES

PRODUCT: No data available.

TOXICITY TO AQUATIC PLANTS

PRODUCT: No data available.

PERSISTENCE AND DEGRADABILITY

BIODEGRADATION

PRODUCT: No data available.

BOD/COD RATIO

PRODUCT: No data available.

BIOACCUMULATIVE POTENTIAL

BIOCONCENTRATION FACTOR (BCF)

PRODUCT: No data available.

PARTITION COEFFICIENT N-OCTANOL / WATER (LOG KOW)

PRODUCT: No data available.

MOBILITY IN SOIL: No data available.

KNOWN OR PREDICTED DISTRIBUTION TO ENVIRONMENTAL COMPARTMENTS

TRADE SECRET No data available.

No data available.

(2-Methoxymethylethoxy)propanol No data available.

TRADE SECRET No data available.

No data available.

Water No data available.

TRADE SECRET No data available.

13. DISPOSAL CONSIDERATIONS

DISPOSAL INSTRUCTIONS: Discharge, treatment, or disposal may be subject to national, state, or local laws.

CONTAMINATED PACKAGING: Since emptied containers retain product residue, follow label warnings even after container is emptied.



14. TRANSPORT INFORMATION

DOT

UN Number: NA 1993
UN Proper Shipping Name: Combustible liquid, n.o.s.(- Glycol Ether DPM)
Transport Hazard Class(es)
Class: CBL
Label(s): NONE
Packing Group: III
Marine Pollutant: Not regulated.
Special precautions for user: -

Not D.O.T. Regulated for Domestic Ground Transport in Non Bulk Containers. Not Regulated for IATA/IMDG Transport.

15. REGULATORY INFORMATION

US FEDERAL REGULATIONS US. OSHA SPECIFICALLY REGULATED SUBSTANCES (29 CFR 1910.1001-1050)

None present or none present in regulated quantities.

CERCLA HAZARDOUS SUBSTANCE LIST (40 CFR 302.4):

None present or none present in regulated quantities.

SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA)

HAZARD CATEGORIES

☒ Acute (Immediate) ☐ Chronic (Delayed) ☒ Fire ☐ Reactive ☐ Pressure Generating

SARA 302 EXTREMELY HAZARDOUS SUBSTANCE

None present or none present in regulated quantities.

SARA 304 EMERGENCY RELEASE NOTIFICATION

None present or none present in regulated quantities.

SARA 311/312 HAZARDOUS CHEMICAL

CHEMICAL IDENTITY	THRESHOLD PLANNING QUANTITY
Glycol Ether DPM	500 lbs
Alcohols, C11-14-iso-, C13-rich, ethoxylated	500 lbs
Graphene	500 lbs

SARA 313 (TRI REPORTING)

None present or none present in regulated quantities.

CLEAN WATER ACT SECTION 311 HAZARDOUS SUBSTANCES (40 CFR 117.3)

None present or none present in regulated quantities.

CLEAN AIR ACT (CAA) SECTION 112(R) ACCIDENTAL RELEASE PREVENTION (40 CFR 68.130):

None present or none present in regulated quantities.

US STATE REGULATIONS

US. CALIFORNIA PROPOSITION 65

No ingredient regulated by CA Prop 65 present.

US. NEW JERSEY WORKER AND COMMUNITY RIGHT-TO-KNOW ACT

Glycol Ether DPM Listed

US. MASSACHUSETTS RTK - SUBSTANCE LIST

Glycol Ether DPM Listed

US. PENNSYLVANIA RTK - HAZARDOUS SUBSTANCES

Glycol Ether DPM Listed

US. RHODE ISLAND RTK

No ingredient regulated by RI Right-to-Know Law present.



Inventory Status: Australia AICS:	Not in compliance with the inventory.
Canada DSL Inventory List:	Not in compliance with the inventory.
EINECS, ELINCS or NLP:	Not in compliance with the inventory.
Japan (ENCS) List:	Not in compliance with the inventory.
China Inv. Existing Chemical Substances:	Not in compliance with the inventory.
Korea Existing Chemicals Inv. (KECI):	Not in compliance with the inventory.
Canada NDSL Inventory:	Not in compliance with the inventory.
Philippines PICCS:	Not in compliance with the inventory.
US TSCA Inventory:	On or in compliance with the inventory
New Zealand Inventory of Chemicals:	Not in compliance with the inventory.
Japan ISHL Listing:	Not in compliance with the inventory.
Japan Pharmacopoeia Listing:	Not in compliance with the inventory.
Mexico INSQ:	Not in compliance with the inventory.
Ontario Inventory:	Not in compliance with the inventory.
Taiwan Chemical Substance Inventory:	Not in compliance with the inventory.

16. OTHER INFORMATION

HMIS Hazard ID

Health	2
Flammability	2
Physical Hazards	0
PERSONAL PROTECTION	B

Hazard rating:

- 0 - Minimal
- 1 - Slight
- 2 - Moderate
- 3 - Serious
- 4 - Severe RNP - Rating not possible
- *Chronic health effect

B - Safety Glasses & Gloves



Flammability
Health
Reactivity
Special hazard

Issue date: 10-19-2017
Revision date: No data available.
Version#: 1.2
Further information: No data available

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible

DISCLAIMER:

Although the information and recommendations set forth herein (hereinafter "Information") are presented in good faith and believed to be correct as of the date hereof, the Company makes no representations as to the completeness or accuracy thereof. Information is supplied upon the condition that the persons receiving this SDS will make their own determination as to its suitability for their intended purpose prior to use. Since the product is within the exclusive control of the user, it is the user's obligation to determine the conditions of safe use of this product. Such conditions should comply with all Federal Regulations concerning the Product. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESSED OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER NATURE ARE MADE HEREUNDER WITH RESPECT TO INFORMATION OR THE PRODUCT TO WHICH INFORMATION REFERS.