



## Material Safety Data Sheet

### 1 - Product and company information

<b>Product name</b>	GLUCAM* E-20		
<b>Product number</b>	GCME20	<b>Effective date</b>	10/30/2007
<b>Company identification</b>	Lubrizol Advanced Materials, Inc. 9911 Brecksville Rd. Cleveland, OH 44141-3247 United States of America	<b>Company Canadian Address</b>	Lubrizol Advanced Materials Canada, 100 Regina Street South Suite 360 Waterloo, Ontario, N2J 4P9 Canada
<b>Telephone Chemtrec (24 Hour)</b>	(216) 447-5000 (800) 424-9300	<b>Telephone CANUTEC</b>	(519) 888-3330 (613) 996-6666
<b>Preparer</b>	Health, Safety, and Environmental Department		
<b>Product description</b>	Personal care applications		

### 2 - Composition / information on ingredients

<b>Chemical Name</b>	<b>CAS Number</b>	<b>Weight % Less Than</b>
Methyl Gluceth-10 -Methyl Gluceth-20	53026-67-8	100

Amounts specified are typical and do not represent a specification. Remaining components are proprietary, non-hazardous, and/or present at amounts below reportable limits.

**Notes:** No Additional Information

### 3 - Hazards identification

#### Emergency overview

See below for product details

#### Acute health effects

This material has no known health hazards.

#### Chronic health effects

None known.

#### Signs/Symptoms of exposure

Irritation

#### Routes of exposure/entry

Skin Contact, Inhalation, Ingestion, Eye Contact

**Target organs**

Eyes,Respiratory tract,Skin

**Medical conditions aggravated by exposure**

None known.

**Carcinogenic status**

The components of this mixture are not known to be listed or regulated by IARC, NTP, OSHA or ACGIH.

**Reproductive effects**

None known.

## 4 - First aid measures

If irritation or other symptoms (as noted above) occur or persist from any route of exposure, remove the affected individual from the area: see a physician/get medical attention.

**Eye contact**

Immediately flush eyes with plenty of clean water for an extended time, not less than fifteen (15) minutes. Flush longer if there is any indication of residual chemical in the eye. Ensure adequate flushing of the eyes by separating the eyelids with fingers and roll eyes in a circular motion. If irritation persists, call a physician.

**Skin contact**

Wash the affected area thoroughly with plenty of water and soap. If irritation develops, call a physician.

**Inhalation**

If affected, remove to fresh air.

**Ingestion**

Do not induce vomiting. Rinse out mouth and have patient drink several glasses of water. Do not give liquids if victim is unconscious, very drowsy or unable to swallow. Call a physician.

**Notes to physician**

Treat symptomatically.

## 5 - Fire fighting measures

**NFPA flammability class:** N/A

**Flash point:** 595.4 oF (313 oC)  
Cleveland Open Cup

**Explosive range:** **LEL** Not Applicable  
**UEL** Not Applicable

**Notes:** No Additional Information

**Fire and explosive properties**

This product is not known to present any fire hazard.

**Extinguishing media**

Carbon dioxide, foam, dry chemical, water.

**Fire fighting instructions**

Wear self-contained breathing apparatus (SCBA) equipped with a full facepiece and operated in a pressure-demand mode (or other positive pressure mode) and approved protective clothing. Personnel without suitable respiratory protection must leave the area to prevent significant exposure to hazardous gases from combustion, burning or decomposition. In an enclosed or poorly ventilated area, wear SCBA during cleanup immediately after a fire as well as during the attack phase of firefighting operations.

**Unusual fire/explosion hazards**

Irritating or toxic substances will be emitted upon burning, combustion or decomposition.

**6 - Accidental release measures****Containment techniques**

Contain spill. If spilled in an enclosed area, ventilate.

**Clean-up techniques**

Wear proper personal protective clothing and equipment. Do not flush liquid into public sewer, water systems or surface waters. Recover as much as possible for reuse. Absorb remainder with an inert material. Wash the spill area with soap and water.

**Evacuation instructions**

No specific requirements known.

**7 - Handling and storage****Handling**

Wash thoroughly after handling this product. Always wash up before eating, smoking or using the facilities.

**Storage**

Keep container closed when not in use. Avoid prolonged exposure to heat and air. Empty container contains residual product which may exhibit hazards of product.

**8 - Exposure controls / personal protection**

<u>Chemical Name</u>	ACGIH - ----- TWA	ACGIH - ----- STEL	OSHA - ----- TWA	OSHA - ----- STEL
Methyl Gluceth-10 - Methyl Gluceth-20	N/E	N/E	N/E	N/E

**Notes:** No Additional Information

**Engineering controls**

Always provide effective general and, when necessary, local exhaust ventilation to draw spray, aerosol, fume, mist and vapor away from workers to prevent routine inhalation.

**Eye/face protection**

Safety glasses or goggles required.

**Skin protection**

Wear nitrile or neoprene gloves. Wear long sleeve shirt and trousers and other equipment as needed to avoid skin contact.

**Respiratory protection**

Respiratory protection is not needed with proper ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Use respirator in accordance with manufacturer's use limitations and OSHA standard 1910.134 (29CFR).

### General protection

No Additional Information

## 9 - Physical and chemical properties

<b>Form</b>	Liquid	<b>pH</b>	Not Available
<b>Appearance</b>	Yellow	<b>% Volatile by weight</b>	Not Available
<b>Odor</b>	Mild	<b>Specific gravity</b>	1.20
<b>Solubility in water</b>	Soluble	<b>VOC</b>	Not Available
<b>Evaporation rate</b>	Not Available		
<b>Vapor pressure</b>	Not Available	<b>Boiling point °F</b>	601.F
		<b>Boiling point °C</b>	316.C
<b>Melting point</b>	Not Available		
<b>Vapor density</b>	Not Available		
<b>Partition coefficient</b>	Not Available		

**Notes:** Amounts specified are typical and do not represent a specification.

## 10 - Stability and reactivity

### Stability

This product is stable.

### Hazardous polymerization

Hazardous polymerization will not occur.

### Notes:

No Additional Information

### Conditions to avoid

None known.

### Incompatibility with other materials

Avoid strong acids and oxidizing agents.

### Hazardous decomposition products

Thermal decomposition may produce smoke, carbon monoxide, carbon dioxide, aldehydes and other products of incomplete combustion.

### Additional reactivity / stability information

None known.

### Thermal processing emissions

Not Applicable

## 11 - Toxicological information

Caution must be exercised through the prudent use of protective equipment and handling procedures to minimize exposure.

<u>Chemical Name</u>	<u>LC50 Inhalation</u>	<u>Species</u>	<u>LD50 Oral</u>	<u>Species</u>	<u>LD50 Skin</u>	<u>Species</u>
Methyl Gluceth-10 -Methyl Gluceth-20	N/E		N/E		N/E	

<u>Chemical Name</u>	<u>LC50 Inhalation</u>	<u>Species</u>	<u>LD50 Oral</u>	<u>Species</u>	<u>LD50 Skin</u>	<u>Species</u>
Methyl Gluceth-10 -Methyl Gluceth-20	N/E		N/E		N/E	

LD50 Oral Rat, adult > 5000 mg/kg

LD50 Dermal Rabbit: > 2000 mg/kg

Eye Irritation: Not expected to cause eye irritation. Based on actual data.

Skin Irritation: Not expected to cause skin irritation. Based on actual data.

Dermal Sensitization: Not expected to cause skin sensitization. Based on actual data.

## 12 - Ecological information

Biodegradation: This product will biodegrade moderately based on OECD 302-type test data for similar products.

Freshwater Fish Toxicity: The acute LC50 is >1000 mg/L based on similar products.

Freshwater Invertebrates Toxicity: The acute EC50 is >1000 mg/L based on similar products.

Bacteria Toxicity: The acute EC50 for bacteria is >1000 ppm based on similar materials.

**Notes:** No Additional Information

## 13 - Disposal information

For waste disposal purposes, this product is not known to be defined or designated as hazardous by current provisions of the Federal (EPA) Resource Conservation and Recovery Act (RCRA, 40CFR261). Incinerate or landfill waste in a properly permitted facility in accordance with federal, state and local regulations. Liquids cannot be disposed of in a landfill.

### US RQ

Not Applicable

## 14 - Transportation information

UN/NA

N/A

Hazard Class:

N/A

IMDG Class: N/A

**Number:****Packing Group:**

N/A

**ICAO/IATA Class:** N/A**TDG Class:** N/A**Name of Material:** Not regulated**Notes:** No Additional Information

## 15 - Regulatory information

This MSDS has been prepared in accordance with the hazard criteria of the OSHA Hazard Communication Standard, 29 CFR 1910.1200

**U.S. Toxic Substances Control Act:**

All components of this product are either listed on the U.S. Toxic Substances Control Act (TSCA) inventory of chemicals or are otherwise compliant with TSCA regulations.

**U.S. CERCLA – SARA:****SARA Title III Section 312 Hazard Category (40 CFR 311/312):**

Not Hazardous

**SARA Section 313:** This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and 40 CFR 372:

None Known

**California Proposition 65:**

Warning: The following ingredients present in the product are known to the state of California to cause Cancer:

None known to be present or none in reportable amounts for occupational exposure as per OSHA's approval of the California Hazard Communication Standard, Federal Register, page 31159 ff, 6 June 1997.

Warning: The following ingredients present in the product are known to the state of California to cause birth defects, or other reproductive hazards:

None known to be present or none in reportable amounts for occupational exposure as per OSHA's approval of the California Hazard Communication Standard, Federal Register, page 31159 ff, 6 June 1997.

The chemical identity of some or all components present is confidential business information (trade secret) and is being withheld as permitted by 29CFR1910.1200 (i).

**Canadian Domestic Substances List (DSL):**

All components in this product are on the Canadian Domestic Substances List (DSL) or are exempt from listing.

**Canadian Ingredient Disclosure List:**

The following components are on the Canadian Ingredient Disclosure List (WHMIS):

None Listed

**Canadian WHMIS Class:**

Not controlled

**Notes:** No Additional Information

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

## 16 - Other information

**Notes:** No Additional Information

**HMIS Rating**

**Health:** 0                      **Flammability:** 1                      **Reactivity:** 0                      **Personal Protection:** X

**NFPA Rating**

**Health:** 0                      **Flammability:** 1                      **Reactivity:** 0

Key: 0=Insignificant; 1=Slight; 2=Moderate; 3=High; 4=Extreme

Hazardous Materials Identification System (HMIS), National Paint and Coating Assn. rating applies to product "as packaged" (i.e., ambient temperature). Ratings are based upon HMIS® Rating Manual 1984. Values do not reflect HMIS® III.

National Fire Protection Association (NFPA) rating identifies the severity of hazards of material during a fire emergency (i.e., "on fire").

**Legend:**

\* :                      Trademark owned by The Lubrizol Corporation.  
 ACGIH:              American Conference of Governmental Industrial Hygienists  
   A1:                      Confirmed human carcinogen  
   A2:                      Suspected human carcinogen  
   A3:                      Animal carcinogen  
 CAS No:              Chemical Abstract Service Registry Number  
 IARC:                      International Agency for Research on Cancer  
   Group 1:              Carcinogenic to humans  
   Group 2A:              Probably carcinogenic to humans  
   Group 2B:              Possibly carcinogenic to humans  
   Group 3:              Unclassified as a carcinogen to humans  
 MSHA:                      Mine Safety and Health Administration  
 NIOSH:                      National Institute for Occupational Safety and Health  
 NTP:                      National Toxicology Program  
 N/A:                      Not Applicable  
 N/E:                      None Established  
 OSHA                      Occupational Safety and Health Administration  
 PEL:                      Permissible Exposure Limit  
 PNOC:                      Particulates Not Otherwise Classified  
 RTK:                      Right To Know  
 STEL:                      Short Term Exposure Limit (15 minute Time Weighted Average)  
 TLV:                      Threshold Limit Value  
   C:                      Ceiling Limit

S: Skin notation refers to the potential significant contribution to the overall exposure by the cutaneous route including mucous membranes and the eyes and by direct skin contact with the substance

WHMIS: Canadian Workplace Hazardous Materials Information System

**Users responsibility/disclaimer of liability**

As the conditions or methods of use are beyond our control, we do not assume any responsibility and expressly disclaim any liability for any use of this product. Information contained herein is believed to be true and accurate but all statements or suggestions are made without warranty, expressed or implied, regarding accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof. Compliance with all applicable federal, state, and local laws and local regulations remains the responsibility of the user.

This bulletin cannot cover all possible situations which the user may experience during processing. Each aspect of your operation should be examined to determine if, or where, additional precautions may be necessary. All health and safety information contained in this bulletin should be provided to your employees or customers. It is your responsibility to develop appropriate work practice guidelines and employee instructional programs for your operation.