



ELEVATOR EQUIPMENT CORPORATION MATERIAL SAFETY DATA SHEET

SECTION 1 - CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Trade Name: EECOLube
Part Number: 79.007001010100
Supplier: Elevator Equipment Corporation
4035 Goodwin Avenue
Los Angeles, CA 90039
Phone: (323) 245 - 0147
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SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS

Ingredient Name: 9-Octadecenoic acid, (Z)-, 3-hydroxy-2,2-bis(hydroxymethyl)propyl ester
CAS number: 10332-32-8
Weight: 100%
Composition Comments: Chemical ingredients not regulated by OSHA or SARA are treated confidentially. This product contains no ingredients at greater than 1% which have been assigned exposure limits by regulatory agencies.

SECTION 3 - HAZARDS IDENTIFICATION

Inhalation: No known significant effects or critical hazards
Ingestion: No known significant effects or critical hazards
Skin: No known significant effects or critical hazards
Eyes: No known significant effects or critical hazards
Sensitization: No known information
Carcinogenicity: IARC: Not listed as a Group 1, 2A, or 2B agent
NTP: Not Listed
OSHA: Not regulated
Teratogenicity: No known information
Health Warnings: This product has low toxicity. Only large quantities may have adverse impact on human health.
Route of Entry: Skin and/or eye contact. Ingestion. Inhalation

SECTION 4 - EMERGENCY FIRST AID MEASURES

Inhalation:	Remove victim immediately from source of exposure. If breathing stops, provide artificial respiration. For breathing difficulties, oxygen may be necessary. Seek medical attention if any discomfort continues.
Eyes:	Important! Immediately rinse with water for at least 15 minutes. Seek medical attention if any discomfort continues.
Skin:	Immediately remove contaminated clothing. Wash skin thoroughly with soap and water.
Ingestion:	DO NOT induce vomiting. Seek medical attention immediately.

SECTION 5 - FIRE FIGHTING MEASURES

Flash Point (°F):	536° F (280° C) Cd OC (Cleveland open cup method)
Flammability Limit - Lower (%):	Not Determined
Flammability Limit - Upper (%):	Not Determined
Extinguishing Media:	Use: Dry chemicals, sand, dolomite, etc. Foam. Carbon dioxide (CO ₂)
Special Fire Fighting Procedures:	Use water to keep fire exposed containers cool and disperse vapors. Water spray may be used to flush spills away from exposures and dilute spills to non-flammable mixtures. Avoid water in straight hose stream; will scatter and spread fire. Keep run-off water out of sewers and water sources. Dike for water control. Use special protective clothing. Regular protection may not be safe. Prevent inhalation of fumes and gases.
Unusual Fire & Explosion Hazards:	Volume and pressure increases strongly when heated. Risk of container explosion in fire.
Hazardous Combustion Products:	Acrid smoke / fumes. Oxides of: Carbon
Protective Measures in Case of Fire:	Self-contained breathing equipment and chemical resistant clothing recommended.



SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Minimize skin contact. Wear suitable eye protection.
Precautions to Protect the Environment:	Keep product out of sewers and watercourses by diking or impounding. Advise authorities if product has entered or may enter sewers, watercourses or extensive land areas. Assure conformity with applicable government regulations.
Spill Clean-up Procedures:	Carefully collect spilled material in closed containers and leave for disposal according to local regulations. Provide good ventilation. Use appropriate protective clothing. Rinse area with water. Do not let washing down water contaminate ponds or waterways.

SECTION 7 - HANDLING & STORAGE

Handling Precautions:	Avoid spilling, skin and eye contact. Keep away from heat, sparks and open flame. Ventilate well, avoid breathing vapors. Use approved respirator if air contamination is above accepted level. Containers to be kept tightly closed. Eye wash and emergency shower must be available at the work place.
Storage Precautions:	Store separated from: Acids. No Special storage precautions noted.
Storage Criteria:	Chemical Storage

SECTION 8 - EXPOSURE CONTROLS & PERSONAL PROTECTION

Ingredient Comments:	No Exposure limits indicated for ingredient(s)
Protective Equipment:	 
Engineering Controls:	Use engineering controls to reduce air contamination to permissible exposure level.
Ventilation:	No specific ventilation requirements noted, but forced ventilation may still be required if air contamination exceeds acceptable level.
Respirators:	No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists.
Protective Gloves:	For prolonged or repeated skin contact use suitable protective gloves. Use protective gloves made of: Neoprene, Nitrile, Polyethylene or PVC.
Eye Protection:	Wear splash-proof eye goggles to prevent any possibility of eye contact.
Protective Clothing:	Wear appropriate clothing to prevent repeated or prolonged skin contact.
Hygienic Work Practices:	Wash at the end of each work shift and before eating, smoking and using the toilet.

SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

Appearance / Physical State:	Clear / Liquid
Color / Odor:	Colorless to light (or pale) yellow
Solubility Description:	Insoluble in water
Density / Temperature:	.094 / 60° F (15.6° C)
Vapor Density:	> 1
Vapor Pressure / Temperature:	< 0.1 mmHg / 68° F (20° C)
Evaporation Rate / Reference:	< 1 / BuAc = 1

SECTION 10 - STABILITY & REACTIVITY

Stability:	Normally stable
Hazardous Polymerization:	Will not polymerize
Hazardous Decomposition Products:	Oxide of: Carbon

SECTION 11 - TOXICOLOGICAL INFORMATION

Component:	9-Octadecenoic acid, (Z)-, 3-hydroxy-2,2-bis(hydroxymethyl)propyl ester
Toxic Dose - LD 50:	> 64000 for similar products mg/kg (oral rat)
Toxic Conc. - LC 50:	No information available (NIA)
Sensitization:	No known information
Genotoxicity:	No known information
Carcinogenicity:	IARC: Not listed as a Group 1, 2A, or 2B agent
Reproduction Toxicity:	No known information

SECTION 12 - ECOLOGICAL INFORMATION

Ecological Information:	No data on possible environmental effects have been found.
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SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal Methods:	Confirm disposal procedures with environmental engineer and local regulations
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SECTION 14 - TRANSPORT INFORMATION

DOT Hazard Class:	Not regulated
IDGR Class:	Not regulated
Sea Transport Notes:	Not regulated per IMDG
Air Transport Notes:	Not regulated per IATA

SECTION 15 - REGULATORY INFORMATION

US Federal Regulations

Component:	9-Octadecenoic acid, (Z)-, 3-hydroxy-2,2-bis(hydroxymethyl)propyl ester
SARA 302 / CERCLA / SARA 313:	No / No / No

Clean Air Act

SARA Hazard Categories:	None
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SECTION 15 - REGULATORY INFORMATION (CONTINUED)

US State Regulations

WHMIS:	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.
Controlled Product Classification:	Not a controlled product

SECTION 16 - OTHER INFORMATION

HMIS- NFPA Hazard Rating

Health:	No health hazards (0) - HMIS/NFPA
Flammability:	Burns only if pre-heated (1) - HMIS/NFPA
Reactivity:	Normally Stable (0) - HMIS/NFPA
Personal Protection Index:	B - Safety eyewear and gloves
Revision Comments:	None
Prepared By:	Robert Alterman
Replacement MSDS of:	None
Date:	2013.01.25
Printing Date:	2013.01.25
Disclaimer:	While the information and recommendations set forth herein are believed to be accurate as of the date thereof, the company makes no warranty with respect thereto and disclaims all liability from reliance therein.