

MATERIAL SAFETY DATA SHEET



AMERICAN CHEMICAL TECHNOLOGIES, INC.

This MSDS conforms to the GHS, ISO 11014-1, and ANSI Z400.1
This MSDS complies with 29 CFR 1910.1200
Prepared according to EU Directive 91/155/EEC

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Sullube®

Product Code: ACTI-8

Product Type: Polyether Polyol Lubricant

Recommended Use: Compressor Lubricant

Manufacturer/Supplier:

American Chemical Technologies, Inc.
485 E. Van Riper Road, Fowlerville, MI 48836
Office: 517-223-0300 Fax: 517-223-1703

Emergency Spill Information:

INFOTRAC 1-800-535-5053 (US & Canada)
INFOTRAC 1-352-323-3500 (International)
24 HOURS/DAY, 7 DAYS/WEEK

SECTION 2 – HAZARDS IDENTIFICATION

GHS Product Classification: None

Emergency Overview: This product has been evaluated and does not require any hazard warning on the label under OSHA criteria.

Risk Phrases: R22

Safety Phrases: S3/9/14, S14, S15, S16, S26, S27/28, S36/37/39, S38, S40, S43, S62, S63

HMIS Code: (Health:1) (Flammability:1) (Reactivity:0) (Protection: B)

NFPA Code: (Health:1) (Flammability:1) (Reactivity:0)

WHMIS Code: None

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS#</u>	<u>EC#</u>	<u>Range % by wt.</u>
Polyoxyalkylene glycol	Proprietary	Proprietary	70% - 90%
Pentaerythritolester	Proprietary	Proprietary	10% - 30%
Additives	Proprietary	Proprietary	0% - 10%

SECTION 4 – FIRST AID MEASURES

Eye: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Skin: After contact with skin, take off immediately all contaminated clothing, wash immediately with plenty of soap and water.

Inhalation: In case of accident by inhalation: remove casualty to fresh air and keep at rest.

Ingestion: If swallowed, do not induce vomiting; seek medical advice immediately.

Symptoms/effects: Prolonged contact may cause slight skin irritation with localized redness.

Special treatment: None identified.

SECTION 5 – FIRE FIGHTING MEASURES

Suitable Extinguishing Media: In case of fire use dry chemical, carbon dioxide, foam, steam, or water fog.

Unsuitable Extinguishing Media: Never use water.

Specific Hazards: Keep away from extreme heat and open flames.

Hazardous Combustion Products: Incomplete combustion results in oxides of carbon.

Fire Fighting Equipment: In case of fire use an approved self-contained breathing apparatus.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal precautions: Wear suitable protective clothing and gloves.

Environmental precautions: Use appropriate containment to avoid environmental contamination. Do not empty into drains; dispose of this material and its container in a safe way.

Methods and materials for cleanup: To clean the floor and all objects contaminated by this material use an inert absorbent material.

SECTION 7 – HANDLING AND STORAGE

Handling: No special requirements if handled with reasonable care.

Storage: Keep in a cool, well-ventilated place away from open flames. Store inside away from extreme temperatures.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits: If known, exposure guidelines are listed in Section 3.

Engineering Controls: In case of insufficient ventilation wear suitable respiratory equipment.

Protective Equipment: Wear suitable protective clothing, gloves and eye/face protection.

SECTION 9 – CHEMICAL AND PHYSICAL PROPERTIES

Appearance	: Clear-green	
Odor	: Mild	
Odor Threshold	: Not Determined	
pH	: Not Applicable	Method: ASTM D1293
Melting Point / Freezing Point	: Pour Point <-40°C	
Initial Boiling Point	: Not Determined	
Flash Point	: 263°C (505°F)	Method: ASTM D92
Evaporation Rate	: Not Determined	
Flammability	: Not Flammable	
Upper/Lower Explosive Limits	: Not Determined	
Vapor Pressure @ 100°C	: 0.0008 mmHg	Method: ASTM D5482
Vapor Density	: Not Applicable	
Specific Gravity	: 0.98 @ 25°C	Method: ASTM D1475
Solubility in Water	: Approximately 0.7% solubility in water at 60°C	
Partition Coefficient	: Not Determined	Method: ASTM E1147
Autoignition Temperature	: Not Determined	Method: ASTM E659
Decomposition Temperature	: Not Determined	Method: ASTM E2550

SECTION 10 – STABILITY AND REACTIVITY

Chemical Stability: Stable.

Hazardous Reactions: None.

Conditions to Avoid: Keep away from extreme heat.

Materials to Avoid: Keep away from chlorine, fluorine, and other strong oxidizers.

Hazardous Decomposition Products: None identified.

SECTION 11 – TOXICOLOGICAL INFORMATION

Eye Contact: Prolonged or repeated contact may cause eye irritation.

Skin Contact: Prolonged or repeated contact may cause skin irritation.

Inhalation: Prolonged vapor exposure may result in pulmonary irritation or inflammation.

Ingestion: Harmful or fatal if swallowed.

Primary Routes of Entry: Breathing mists by inhalation or ingestion.

- ACUTE EXPOSURE -

Dermal Toxicity	LD50, rabbit >2000 mg/kg
Inhalation Toxicity	No data available to indicate product or components may be a toxic inhalation hazard.
Oral Toxicity	LD50, rat >2000 mg/kg
Dermal Sensitization	No data available to indicate product or components may be a skin sensitizer.
Inhalation Sensitization	No data available to indicate product or components may be respiratory sensitizers.

-- CHRONIC EXPOSURE --

Toxicological testing has not been conducted on this product.

Chronic Toxicity	No data available to indicate product or components present at greater than 1% are chronic health hazards.
Carcinogenicity	No data available to indicate any components present at greater than 0.1% may present a carcinogenic hazard.
Mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Reproductive Toxicity	No data available to indicate either product or components present at greater than 0.1% that may cause reproductive toxicity.
Teratogenicity	No data available to indicate product or any components contained at greater than 0.1% may cause birth defects.

SECTION 12 – ECOLOGICAL INFORMATION

-- ENVIRONMENTAL TOXICITY --

Ecotoxicity: Material is practically non-toxic to aquatic organisms on an acute basis

LL50, rainbow trout (*Oncorhynchus mykiss*), static, 96 h: > 100 mg/l

EL50, water flea *Daphnia magna*, 48 h, immobilization: 100 mg/l

-- ENVIRONMENTAL FATE --

Persistence and Degradability: Based on information for similar material

OECD 301F, 28 d, <41%

OECD 302B, 28d, 86%

BOD 5: 5%

BOD 10: 8%

BOD 20: 20%

BOD 28: 33%

Theoretical Oxygen Demand: 2.37 mg/mg

Bioaccumulative Potential: Not determined.

Mobility in Soil: Not determined.

Other Adverse Effects: None identified.

SECTION 13 – DISPOSAL INFORMATION

Do not empty into drains; dispose of this material and its container as non-hazardous waste.

This material, if discarded, is not a hazardous waste under RCRA Regulation 40 CFR 261. This material, if discarded, should be considered a European non-hazardous waste in accordance with Directive 91/689/EC.

European Waste Catalog Code (EWC-code): 13 01 12

SECTION 14 – TRANSPORTATION INFORMATION

UN Number	Not regulated.
UN Proper Shipping Name:	Not regulated.
Transport Hazard Class	Not regulated.
Package Group	Not regulated.
Marine Pollutant	No
IMDG Classification	Not regulated.
TDG Classification	Not regulated.
ICAO/IATA Classification	Not regulated.
RID/ADR Classification	Not regulated.
Special Precautions	Not regulated.

SECTION 15 – REGULATORY INFORMATION

-- Global International Chemical Inventories --

USA All components of this material are on the US TSCA Inventory or are exempt.

EEC All components are in compliance with the EC 7th Amendment Directive 92/32/EEC.

Canada All components of this material are DSL listed or are exempt.

-- Other U.S. Federal Regulations --

EPA 550-B-01-003 This product does not contain greater than 1.0% of any chemical substances (0.1% for carcinogens) listed on the Consolidated List of Chemicals Subject to the Emergency Planning and Community Right-To-Know Act (EPCRA) and Clean Air Act Section 112(r): EPCRA Section 302 Extremely Hazardous Substances, CERCLA Hazardous Substances, EPCRA Section 313 Toxic Chemicals, CAA 112(r) Regulated Chemicals For Accidental Release Prevention.

SARA 311 Classifications

Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No
Immediate (Acute) Hazard	No
Delayed (Chronic) Hazard	No

-- State Regulations --

Cal. Prop. 65 This product does not intentionally contain any chemicals known by the State of California to cause cancer and/or birth defects. Moreover, American Chemical Technologies does not routinely analyze its products for impurities which may be such chemicals.

SECTION 16 – OTHER INFORMATION

Label text:

Before handling or using this product, see your employer and read the current Material Safety Data Sheet.

Do not use sodium nitrite or other nitrosating agents with this product. Suspected cancer-causing nitrosamines could be formed.

STORAGE:

Shelf-life: Use within 60 months

CONTAINS:

Ingredient(s):

Trade Secret Component(s): Polypropylene Glycol
Pentaerythritol ester
Aromatic amine
Additives

DISPOSAL:

Content Disposal: DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER. All disposal practices must be in compliance with all federal, state/provincial, and local laws and regulations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator.

FOR UNUSED & UNCONTAMINATED PRODUCT, the preferred options include sending to a licensed, permitted: Recycler, Reclaimer, Incinerator, or other thermal destruction device.

Container Disposal: Offer empty container to licensed reconditioner or crush and dispose of in compliance with all federal, state/provincial and local laws and regulations.

Prepared By: Mark D. Latunski
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