



SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Coolant 46
Product Code: 3003100220

Product Type: Polyether Polyol Lubricant
Recommended Use: Compressor Fluid

Supplier:
Edmac
11313 Steele Creek Road
Charlotte, NC 28273

Emergency Spill Information:
704-504-4066 (US)

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: None

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%
Synthetic ester	Proprietary	Proprietary	10% - 30%

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: None

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 liquid	
Odor	: Mild	
Odor Threshold	: Not Determined	
pH	: 6.5 – 7.5	Method: ASTM D664 initial (16% dilution)
Melting Point / Freezing Point	: Pour Point <-40°C	
Initial Boiling Point	: > 200°C (>392°F)	
Flash Point	: 263°C (505°F)	Method: ASTM D92 : Not
Evaporation Rate	Determined	
Flammability	: Not Flammable	
Upper/Lower Explosive Limits	: Not Determined	
Vapor Pressure @ 100°C	: 0.0008 mmHg	Method: ASTM D5482 :
Vapor Density	Not Determined	
Specific Gravity	: 0.9806 @ 25°C	Method: ASTM D1475 :
Solubility in Water	0.7% @ 60°C	
Partition Coefficient	: Not Determined	Method: ASTM E1147 :
Autoignition Temperature	398°C (748°F)	Method: ASTM E659 :
Decomposition Temperature	Not Determined	Method: ASTM E2550 :
Viscosity	46.5 cSt @ 40°C	Method: ASTM D445

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

- ACUTE EXPOSURE --

Dermal LD₅₀, rabbit >2000 mg/kg based on ingredients. No data available to indicate product or components may be a dermal toxicity or sensitization hazard.

Inhalation No data available to indicate product or components may be an inhalation toxicity or sensitization hazard.

Ingestion LD₅₀, rat >2000 mg/kg based on ingredients. No data available to indicate product or components may be an oral toxicity.

-- CHRONIC EXPOSURE --

Eye Prolonged or repeated contact may cause eye irritation.
Dermal Prolonged or repeated contact may cause skin irritation.
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 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 --

Environmental Toxicity: Not determined.

-- ENVIRONMENTAL FATE --

Persistence and Degradability: Not determined.

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
Special Precautions	None

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, Edmac does not routinely analyze its products for impurities which may be such chemicals.

-- Other / International --

Harmonized Tariff Schedule Number 3403.99.0000

SECTION 16 – OTHER INFORMATION

Label text:

Handling: No special requirements if handled with reasonable care.

First Aid:

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.

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

Spill or Leak: To clean the floor and all objects contaminated by this material use an inert absorbent material.

Prepared By:
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