

SUPERCOOL ESTER LUBRICANT

Part # E7, E8, E31, E32, E127, E128

MATERIAL SAFETY DATA SHEET

Emergency Phone Number: (904) 378-3232

Date: Nov. 12, 2009

SECTION 1

Company Name:
Address:
Phone/Fax:
Trade Name:
Chemical Name:
Chemical Family:
Formula:
CAS#:
Applications:

COMPANY IDENTIFICATION AND CHEMICAL PRODUCT

Tire Seal, Inc.
3574 Corona Street, Lake Worth, Florida 33461
561-582-2245 / 561-582-1499
Supercool Ester Oil
Synthetic Hydrocarbon Polyol Ester Mixture
Synthetic Hydrocarbon Polyol Ester Mixture
Proprietary
Proprietary
Supercool Ester Oil is used as a fluid in HFC and other refrigeration systems.

SECTION 2

General:

FDA Statement:

COMPOSITION / INFORMATION ON INGREDIENTS

This Product contains No Known Carcinogens. No Special Warning Labels Are Required Under OSHA 29 CFR 1910.1200.
N/A

SECTION 3

Appearance:
Known Hazards:

HAZARDS IDENTIFICATION

Clear liquid, Yellow tint.
This product does not require any special warning labels under OSHA 29 CFR 1910.1200 and contains no known hazardous ingredients.

SECTION 4

Eyes:

Skin:

Inhalation:

Ingestion:

FIRST AID MEASURES

Flush with clean, lukewarm water (low pressure) occasionally lifting eyelids. Physician assessment if eyes are inflamed.
Wash affected areas thoroughly with soap and water. Wash contaminated clothing before reuse.
Avoid breathing oil mists. Remove to fresh air. Give artificial respiration if not breathing. Oxygen may be given by qualified personnel if breathing is difficult. Get medical attention.
Do not induce vomiting. Force fluids. Has laxative effect.

SECTION 5

Flash Point:
Flammable Limits:
Auto Ignition Temp:
Fire & Explosion Hazards:
Extinguishing Media:
Fire Fighting Procedures:

FIRE FIGHTING MEASURES

440°F min
N/A
N/A
LOW FIRE HAZARD - Do not cut, drill, or weld empty containers.
Dry chemical foam, water spray, carbon dioxide for small fires.
Contain liquid, cover with extinguishing agent, use water spray to cool fire exposed containers and as protective screen. Do not point solid water stream directly into burning fluid to avoid spreading.

SECTION 6

Spill or Leak:

Waste Disposal:

ACCIDENTAL RELEASE MEASURES

Contain Spill, absorb with inert absorbent such as dry clay, sand, diatomaceous earth, commercial sorbents or recover using pumps. Scoop up used absorbents into approved receptacles.
Dispose in approved, secure landfill site or through a licensed waste reclaimer.

SECTION 7

Storage Temp - min / max:
Shelf Life:
Precautions:

HANDLING AND STORAGE

None / 104°F recommended
Indefinite in original container
Not for internal use. Avoid contact with skin, eyes, clothing.

SECTION 8

Eye Protection:

Skin Protection:

Respiratory Protection:

Ventilation:

Exposure Limits:

EXPOSURE CONTROL / PERSONAL PROTECTION

Normally none required. Chemical goggles if splashing is likely or high pressure systems are used.

Normally none required, for direct contact of more than 2 hours, PVC or Nitrile gloves are recommended.

Normally not necessary. If mist is generated, wear approved organic respirator suitable for oil mist areas with sufficient oxygen.

General ventilation.

Acute LD50 > 5000 mg/Kg (rat : oral) PRACTICALLY NON TOXIC

SECTION 9

Appearance:

Boiling Point:

Vapor Pressure:

Specific Gravity:

Volatiles, % Volume:

Odor:

Solubility in Water:

Evaporation Rate:

Viscosity:

PHYSICAL AND CHEMICAL PROPERTIES

Clear liquid, Yellow tint.

>570°C

<0.001 kPa @ 25°C

0.85-.089

0%

Very slight hydrocarbon odor

Negligible

Nil

@40°C Varies depending on grade

SECTION 10

Stability:

Hazardous Polymerization:

Incompatibilities:

Decomposition Products:

REACTIVITY

Product is STABLE

Will not occur.

Strong oxidizers.

Analogous compounds evolve, carbon monoxide, carbon dioxide, and other undefined fragments when burned.

SECTION 11

General:

TOXICOLOGICAL INFORMATION

Acute LD50 > 5000 mg / Kg (rat : oral) PRACTICALLY NON TOXIC. Negative when tested by modified Ames test for carcinogenicity.

SECTION 12

General:

ECOLOGICAL INFORMATION

Biodegradable CEC L33T82 > 80% @ 45 Days

SECTION 13

Waste Disposal:

DISPOSAL CONSIDERATIONS

Used product must be disposed of in accordance with Federal, State, and Local environmental control regulations. Incineration is preferred. DO NOT HEAT OR CUT EMPTY CONTAINERS WITH ELECTRIC OR GAS TORCH.

SECTION 14

Technical Name:

D.O.T. Hazard Class:

U.N. / N.A. #:

Product Label:

TRANSPORTATION INFORMATION

Synthetic Hydrocarbon Polyol Ester

NR

NR

Supercool Ester Oil

SECTION 15

OSHA STATUS:

TSCA STATUS:

RCRA STATUS:

REGULATORY INFORMATION

Non-Hazardous under 29 CFR 1910.1200

N/A

If discarded in its purchased form this product would not be a hazardous waste either by listing or characteristic. However, it is the responsibility of the product user to determine at the time of disposal, whether the material being disposed of is a hazardous waste (40 CFR 261.20-24).

SECTION 16

General:

OTHER INFORMATION

This information is furnished without warranty, expressed or implied, except that is accurate to the best knowledge of Tire Seal, Inc. The data on this sheet related only to the specific material designed herein. Tire Seal, Inc. assumes no legal responsibility for the use or reliance upon these data.