

SUPERCOOL AEROSOL SUPER LEAK STOP ST 27 MATERIAL SAFETY DATA SHEET

Emergency Phone Number: 904-378-3232

Date: December 06, 2006

SECTION 1

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

COMPANY IDENTIFICATION AND CHEMICAL PRODUCT

Tire Seal Inc.
3574 Corona Street, Lake Worth, FL 33461
561-582-2245 / 561-582-1499
Supercool Super Leak Stop +UV Dye - - ST27
Synthetic Esters & Dye, R134a
Synthetic Esters & Dye, R134a
Proprietary
Proprietary
Super Cool Leak Stop + Dye is used to seal leaks in A/C systems.

SECTION 2

Ingredients:
1,1,1,2-Tetrafluoroethane
Synthetic Esters (POE)

HAZARDOUS INGREDIENTS

OSHA PEL / ACGIH TLV:	CAS NUMBER	PERCENT
1000PPM : TWA	811-97-2	50%
Non-Hazardous	NA	50%

SECTION 3

Appearance:

PHYSICAL INGREDIENTS

Opaque liquid & gas, yellow/green tint

SECTION 4

Eyes:

Skin:

Inhalation:

Ingestion:

FIRST AID MEASURES

Flush with clean, lukewarm water (low pressure) occasionally lifting eyelids. Have eyes examined and treated by medical personnel. R134a liquid splashes or vapor may cause freeze burns.
R134a in liquid form in this product may cause freeze burns (Frost-like lesions). Thaw affected area with warm water. Remove oil from skin by washing affected areas thoroughly with soap and water. Wash contaminated clothing before reuse. If symptoms (irritations or blistering) develop, get medical attention.
Exposure to very high vapor concentrations can induce anesthetic effects progressing from dizziness, weakness, nausea, to unconsciousness. It can act as an asphyxiant by limiting available oxygen, at very high doses, cardiac sensitization to the circulating epinephrine like- compounds can result in fatal cardiac arrhythmias. Avoid breathing oil mists. Remove victim to fresh air. Give artificial respiration if not breathing. Oxygen may be given by qualified personnel if breathing is difficult. In the event of cardiac arrest, apply external cardiac massage. Do not administer adrenaline or similar sympathomimetic drugs as cardiac arrhythmias may result. Get immediate medical attention.
Do not induce vomiting. Force liquids. Has laxative effect. R134a liquid mixed with lubricant most unlikely to digest.

SECTION 5

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

FIRE FIGHTING MEASURES

425°F min
N/A
N/A
LOW FIRE HAZARD – Do not cut, drill, or weld 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 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 / 120°F recommended
Indefinite in original container
Not for internal use. Avoid contact with skin, eyes, clothing

SECTION 8

Eye Protection:

Ventilation:
Exposure Limits:

EXPOSURE CONTROL / PERSONAL PROTECTION

Chemical Goggles if splashing is likely or high pressure systems are used. PVC or Nitrile gloves are recommended if prolonged contact with skin is to occur. 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)

SECTION 9

Appearance:
Boiling Point:
Vapor Pressure:
Specific Gravity:
Volatiles, % Volume:
Odor:
Solubility in Water:
Evaporation Rate:
Viscosity:

PHYSICAL AND CHEMICAL PROPERTIES

Clear liquid & gas, yellow/green tint.
-40°F (R134A), >570°F Synthetic Esters
79 PSIG @ 25°C (R134A), <0.001 kPa @ 25°C
0.85-.097 Synthetic Esters
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.
R134A – Highly Toxic decomposition products occur when burned. Lubricant -- Analogous compounds evolve, carbon monoxide, carbon dioxide, and other undefined fragments when burned.

SECTION 11

General:

TOXICOLOGICAL INFORMATION

Acute LD₅₀ > 2000 mg/Kg (rat : oral)

SECTION 12

General:

ECOLOGICAL INFORMATION

Biodegradable CEC L33A93 > 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

DOT Ship Name:
D.O.T. Hazard Class:
UN / ID #:
IMDG Hazard Class:
UN / ID #:
IATA Hazard Class:
UN / ID #:
Product Label:

TRANSPORTATION INFORMATION

1,1,1,2-Tetrafluoroethane & Synthetic Esters Mix
N/A
N/A
2.2
1950 Aerosols
9
ID8000 Consumer Commodity
Supercool Leak Stop Aerosol

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.

TSI-SCLS-ST 27

NR-Not Regulated

N/A-Not Applicable

U-Unknown