SUPERCOOL PAG 46, 100, 150 AEROSOL
7295, 7554, 7561
MATERIAL SAFETY DATA SHEET

Emergency Phone Number: (904) 378-3232 **Date: 12/06/2006**

SECTION 1 COMPANY IDENTIFICATION AND CHEMICAL PRODUCT

Company Name:	Tire Seal, Inc.
Address:	3574 Corona Street, Lake Worth, Florida 33461
Phone/Fax:	561-582-2245 / 561-582-1499
Trade Name:	Supercool PAG Oil Charge
Chemical Name:	R134A & Synthetic Polyalkylene glycol hydrocarbon mixture
Chemical Family:	R134A & Synthetic Polyalkylene glycol hydrocarbon mixture
Formula:	NA Mixture
CAS#:	NA Mixture
Applications:	PAG Refrigeration Compressor Lubricant is used as a fluid in HFC and other refrigeration systems.

SECTION 2 **HAZARDOUS INGREDIENTS**

Ingredient:	OSHA PEL / ACGIH TLV:	CAS Number:	Percent:
1,1,1,2-Tetrafluoroethane	1000PPM : TWA	811-97-2	50%

SECTION 3 Physical Characteristics

Appearance: Clear liquid & gas, orange tint.

SECTION 4 FIRST AID MEASURES

Eyes: 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.

Skin: R134A in the liquid form in this product may cause freeze burns (Frostbite-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.

Inhalation: 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.

Ingestion: Do not induce vomiting. Force fluids. Lubricant has laxative effect. R134A liquid mixed with lubricant most unlikely to ingest.

SECTION 5 FIRE FIGHTING MEASURES

Flash Point:	440ºF min
Flammable Limits:	N/A
Auto Ignition Temp:	N/A
Fire & Explosion Hazards:	LOW FIRE HAZARD - Do not cut, drill, or weld empty containers.
Extinguishing Media:	Dry chemical foam, water spray, carbon dioxide for small fires.
Fire Fighting Procedures:	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 ACCIDENTAL RELEASE MEASURES

Spill or Leak: 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.

Waste Disposal: Dispose in approved, secure landfill site or through a licensed waste reclaimer.

SECTION 7	HANDLING AND STORAGE
Storage Temp - min / max:	-20ºF / 120ºF
Shelf Life:	Indefinite in original container
Precautions:	Not for internal use. Avoid contact with skin, eyes, clothing.

SECTION 8	EXPOSURE CONTROL / PERSONAL PROTECTION
Eye Protection:	Chemical Goggles if splashing is likely or high pressure systems are used.
Skin Protection:	Nitrile gloves are recommended.
Respiratory Protection:	If mist is generated, wear approved organic respirator suitable for oil mist areas with sufficient oxygen.
Ventilation:	General ventilation.
Exposure Limits:	N/A

SECTION 9	PHYSICAL AND CHEMICAL PROPERTIES
Appearance:	Clear liquid & gas, orange tint.
Boiling Point:	-40ºF (R134A), >200ºC Synthetic Polyalkylene glycols
Vapor Pressure:	79 PSIG @ 25ºC (R134A), <0.001 kPa @ 25ºC
Specific Gravity:	0.85-.097 Synthetic Polyalkylene glycols
Volatiles, % Volume:	50%
Odor:	Characteristic odor
Solubility in Water:	Slight
Evaporation Rate:	N/A
Viscosity:	@40ºC Varies depending on grade (Polyalkylene glycol)

SECTION 10	REACTIVITY
Stability:	Product is STABLE
Hazardous Polymerization:	Will not occur.
Incompatibilities:	Strong oxidizers.
Decomposition Products:	R134A – Highly Toxic decomposition products occur when burned. Lubricant -- Analogous compounds evolve, carbon monoxide, carbon dioxide, and other undefined fragments when burned.

SECTION 11	TOXICOLOGICAL INFORMATION
General:	N/A

SECTION 12	ECOLOGICAL INFORMATION
General:	N/A

SECTION 13	DISPOSAL CONSIDERATIONS
Waste Disposal:	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	TRANSPORTATION INFORMATION
DOT Ship Name:	1,1,1,2-Tetrafluoroethane & Synthetic Polyalkylene glycol hydrocarbon mixture
D.O.T. Hazard Class:	N/A
UN / ID #:	N/A
IMDG Hazard Class:	2.2
UN / ID #:	1950 Aerosols
IATA Hazard Class:	9
UN / ID #:	ID8000 Consumer Commodity
Product Label:	Supercool PAG Oil Charge

SECTION 15	REGULATORY INFORMATION
OSHA STATUS:	Non-Hazardous under 29 CFR 1910.1200
TSCA STATUS:	N/A
RCRA STATUS:	If Polyalkylene glycol is discarded in its purchased form it is not considered to 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	OTHER INFORMATION
General:	This information is furnished without warranty, expressed or implied, except that is accurate to the best knowledge of TSI. The data on this sheet related only to the specific material designed herein. TSI assumes no legal responsibility for the use or reliance upon these data.