

# **SUPERCOOL** **DETECTOR DYE**

## **MATERIAL SAFETY DATA SHEET**

Emergency Phone Number: 904-378-3232

Date : January 27, 2006

### SECTION 1

Company Name:

### COMPANY IDENTIFICATION AND CHEMICAL PRODUCT

Tire Seal, Inc.

Address:

3574 Corona St., Lake Worth, FL 33461

Phone / Fax:

561-582-2245 / 561-582-1499

Trade Name:

Supercool Detector Dye -- D1-12, D4, D8, D32, 7400, CQD1-12, CQD1, CQD4, CQD8, CQ7400

Chemical Name:

Synthetic Hydrocarbon Ester Dye

Chemical Family:

Synthetic Hydrocarbon Ester Dye

Formula:

Proprietary

CAS#:

Proprietary

Applications:

Supercool Detector Dye is used to detect leaks in Refrigeration Systems. It is compatible with all refrigerant lubricants.

### SECTION 2

General:

### COMPOSITION / INFORMATION ON INGREDIENTS

This Product is NON-HAZARDOUS. The product contains No Known Carcinogens. No Special Warning Labels Are Required Under OSHA 29 CFR 1910.1200.

FDA Statement:

N/A

### SECTION 3

Appearance:

### HAZARDS IDENTIFICATION

Clear liquid, green tint.

Known Hazards:

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

### SECTION 4

Eyes:

### FIRST AID MEASURES

Flush with clean, lukewarm water (low pressure) occasionally lifting eyelids. Physician assessment if eyes are inflamed.

Skin:

Wash affected areas thoroughly with soap and water. Wash contaminated clothing before reuse.

Inhalation:

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.

Ingestion:

Do not induce vomiting. Force fluids. Has laxative effect.

### SECTION 5

Flash Point:

### FIRE FIGHTING MEASURES

430 °F 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

Spill or Leak:

### ACCIDENTAL RELEASE MEASURES

Contain Spill, absorb with inert absorbent such as dry clay, sand, or 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**

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:

**EXPOSURE CONTROL / PERSONAL PROTECTION**

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

Skin Protection:

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

Respiratory Protection:

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

Ventilation:

General ventilation.

Exposure Limits:

Acute LD<sub>50</sub> > 5000 mg/Kg (rat : oral) **PRACTICALLY NON TOXIC**

**SECTION 9**

Appearance:

**PHYSICAL AND CHEMICAL PROPERTIES**

Clear liquid, Green tint.

Boiling Point:

>570 °F

Vapor Pressure:

<0.001 kPa @ 25 °C

Specific Gravity:

0.85-.089

Volatilities, % Volume

0%

Odor:

Very slight hydrocarbon odor

Solubility in Water:

Negligible

Evaporation Rate:

Nil

Viscosity:

@40 °C Varies depending on grade

**SECTION 10**

Stability:

**REACTIVITY**

Product is STABLE

Hazardous Polymerization:

Will not occur

Incompatibilities:

Strong oxidizers

Decomposition Products:

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

**SECTION 11**

General:

**TOXICOLOGICAL INFORMATION**

Acute LD<sub>50</sub> > 5000 mg / Kg (rat : oral)

**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:

**TRANSPORTATION INFORMATION**

Synthetic Hydrocarbon Ester Dye

D.O.T. Hazard Class:

Not Regulated

U.N. / N.A. #

Not Regulated

Product Label:

Super Cool Detector Dye

**SECTION 15**

OSHA STATUS:

**REGULATORY INFORMATION**

Non Hazardous under 29 CFR 1910.1200

TSCA STATUS:

N/A

RCRA STATUS:

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 it is accurate to the best knowledge of Tire Seal, Inc. The data on this sheet related only to the specific material design herein. Tire Seal, Inc. assumes no legal responsibility for the use or reliance upon these data.