

MATERIAL SAFETY DATA SHEET

REAL COOL SNOOP®

January 2006

1. PRODUCT IDENTIFICATION

REAL COOL SNOOP®: Liquid leak detector to be used on external surfaces only. Optimum operating temperatures are between -65°F and 200°F (-54°C and 93°C).

Manufactured by: Swagelok Manufacturing Company, 29495 F.A. Lennon Dr., Solon, Ohio 44139, Tel: (440) 349-5600

Emergency Contact: Chemtrec (800) 424-9300

2. INGREDIENTS

Table with 4 columns: Ingredients, CAS #, WT%, PEL. Rows include Ethylene Glycol, Water, and Surfactant.

3. HEALTH HAZARD INFORMATION

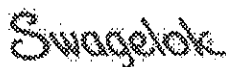
- European Community Danger Group: Xn - Harmful
Special Hazards for man or environment: R 22 - Harmful if swallowed
LD50: Ethylene Glycol: 6000-13,000 mg/kg oral, rat
LC50: Ethylene Glycol: >5000 mg/l goldfish

Routes of Entry

Table with 5 columns: Skin Contact, Skin Absorption, Eye Contact, Inhalation, Ingestion. All cells contain 'Yes'.

4. FIRST AID MEASURES

- If inhaled (Overexposure): Remove person from effected area to fresh air. Seek immediate medical attention.
After contact with skin (Overexposure): Wash thoroughly with soap and water. If severe irritation develops, seek medical attention.
After contact with eyes: May cause eye irritation. Rinse thoroughly with water for 15 minutes, seek medical attention. Do not rub eyes.
If swallowed: Seek medical attention immediately.
Medical information: Acute exposure to ethylene glycol may cause loss of appetite, liver, kidney, and neural dysfunction.
Note to physician: Early administration of ethanol may counter the toxic effects of ethylene glycol (metabolic acidosis and renal damage). Hemodialysis or peritoneal dialysis have been of benefit.



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REAL COOL SNOOP®

January 2006

5. FIRE FIGHTING MEASURES

- Suitable extinguishing agents: Alcohol resistant foams (ATC type) are preferred if available. Do not use a direct water stream. General purpose synthetic foams (including AFFF) or protein foams may function, but much less effectively.
- Not suitable for safety reasons: None known.
- Special dangers caused by substance or preparation itself, by combustion products or gases formed: May produce carbon monoxide and carbon dioxide. May produce trace amounts of aldehydes and organic acids.
- Additional information: None.

Autoignition	UEL	LEL	Sensitivities
Not Applicable	Not Available	Not Available	Not Available

6. ACCIDENTAL RELEASE MEASURES

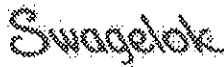
- Measures for protection of people: Put on necessary protective equipment. Eye and hand protection as needed.
- Measures for protection of the environment: None required.
- Cleaning measures: Use absorbent material and suitable cleaner.
- Additional information: None.

7. HANDLING AND STORAGE

- Safety information: None.
- Information on protection from fire or explosion: None.
- Additional information: Recommended storage 45°F to 85°F (7°C to 29°C) for optimal product performance.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

- Precautionary measures to protect employees: None required.
- Respiratory protection: None. Normal ventilation is adequate.
- Hand protection: Rubber gloves are recommended to reduce exposure.
- Eye protection: Safety glasses or goggles are recommended where there is a chance of splashes.
- Skin protection: As needed to minimize exposure. Wash hands after use.



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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Colorless liquid	Odor Neutral	pH 6.0-7.5	Density 1.1 gm/cm ³	Vapor Pressure 0.12 mm Hg
Boiling Point 387°F/197°C	Melting Point Not Applicable	Flash Point >230°F/>110°C	Flammability Not Applicable	Explosive Not Applicable

10. STABILITY AND REACTIVITY

- Conditions to avoid: Excessive heat, sparks, and open flames.
- Materials to avoid: Oxidizing agents, acids, bases, and alkalis.
- Hazardous decomposition products: See Section 5.

11. TOXICOLOGICAL INFORMATION

- Acute toxic properties: Ingestion or prolonged exposure to ethylene glycol may cause loss of appetite, liver, kidney, and neural dysfunction.
- Health effects: Ethylene glycol has been reported to cause birth defects in laboratory animals.
- Additional health effects: None known.

Sensitization	Teratogenicity	Reproductive Toxicity	Mutagenicity	Synergistic Products	Carcinogenicity
Not Available	Ethylene glycol has been reported to cause birth defects in lab animals	Ingestion of large amounts of ethylene glycol has been shown to interfere with reproduction in lab animals	Not Available	Not Available	Listed ingredients are not suspected carcinogens according to NTP, IARC, and OSHA

12. ECOLOGICAL INFORMATION

- Mobility: Comparable to water.
- Degradability: Biodegradable.
- Accumulation: No adverse bioaccumulation or biomagnification effects known.
- Short/Long term effects on ecotoxicity: LC₅₀ for goldfish > 5000 mg/L.

13. DISPOSAL CONSIDERATIONS

- Appropriate methods of disposal: Dispose of in a responsible manner. Do not pour on the ground, in sewers, or in any body of water.
- European Community (EC) considerations: Use appropriate waste codes based on ingredients.



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14. TRANSPORT INFORMATION

- Transport precautions: Consult applicable regulations when transporting this product.
- Additional information: None.

15. REGULATORY INFORMATION

- EC regulations: This product has been classified under CHIP-96 guidelines based on chemical content.
- US/Canadian regulation listings: Ethylene glycol: SARA 313 - Yes, TSCA - Yes
Canada's Controlled Products - Yes.
- EC Relevant risk: Xn - Harmful danger group, R: 22.
- EC Relevant safety: S: 36/37/38 - Wear suitable gloves and eye/face protection.
S:20 - When using do not eat or drink.
S:2 - Keep out of reach of children.
- Additional information: Consult country codes for specific requirements.

16. OTHER INFORMATION

- Further information contact: Your Swagelok Distributor or the contacts listed in Section 1 of this sheet.
- Sources of information used to compile document: Properties of individual ingredients were used to compile this document. This Material Safety Data Sheet was designed to give the distributors and users of REAL COOL SNOOP® information to handle and use the product in a responsible manner.

Preparation Data		
Environmental and Safety Department	(440) 349-5955	January 2006