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*Beverlee's  
Statement*

**Doris Day Animal League**

Western Legislative Office  
Washington-DC Office

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**ETHYLENE GLYCOL ANTIFREEZE:** Sweet-tasting, lethal to humans, pets and wildlife.  
There is no antidote, without treatment, death occurs within 8-24 hours.

**BASF 'Material Safety and Data Sheet on ethylene glycol state:**

- 100 c.c. – **LETHAL DOSE** to humans.
- Causes congenital abnormalities.
- Prolonged breathing results in unconsciousness.
- Should NOT be discharged into waterways.

**Declared a hazardous substance (federal law) – the 1976 Resource Conservation and Recovery Act.**

**Declared a hazardous air pollutant (federal law) – Clean Air Act.**

**Classified as a hazardous substance (federal law) in the "Superfund Act" under CERCLA (1992).**

**An additive to ethylene glycol (mercaptobenzothiazole) is a known carcinogen**

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**DENATONIUM BENZOATE (bittering agent):**

Used in the following:

- 5% of all the antifreeze used in the U. S.
- Pesticides
- Cosmetics
- Window washer fluid

The State of California requires a bittering agent in antifreeze.

The State of Oregon requires a bittering agent in antifreeze.

U.S. Bureau of Alcohol, Tobacco and Firearms requires that all industrial alcohol products contain a bittering agent.

Ethylene glycol antifreeze is BANNED in Switzerland and Austria.

The United Kingdom, Japan and Australia use a bittering agent in their antifreeze.

U.S. Government approvals: US Department of Agriculture, Food & Drug Administration and Environmental Protection Agency.

**SAFE, EFFECTIVE, BIODEGRADES:**

Standards for Materials, products, Systems and Services – "Addition of Bitrex reduced tolerance of small volumes" (ethylene glycol).

C-TECH Report: Humans tested (150), and animals (180), found denatonium benzoate to be 100% effective.

Engineering Society for Advancing Mobility Land Sea Air and Space (SAE) reports:

“Offers no significant toxicity or environmental hazards.”

“No serious problems have been identified or reported in the use of denatonium benzoate as an aversive agent to ethylene glycol.”

“In the environment it is readily absorbed onto common soil types.”

“It degrades photo chemically in water and is destroyed in water treatment plants.”

“Denatonium benzoate is unlikely to enter into ground water as a result of disposal on to soil.”

*Denatonium benzoate photo degrades in water, is chemically decomposed so water treatment systems treat it. It bonds with soil, so does not migrate and is broken down by soil organisms. It is used in dozens of products with no known reports of ANY adverse affects.*

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### HUMAN INGESTIONS – ANTIFREEZE:

In their 2000 annual report, the American Association of Poison Control Centers report 4,884 exposures to ethylene glycol products (19 deaths), 699 were children under the age of 6.

---In 1990 there were 3,242 exposures with 5 deaths---The AAPCC lists antifreeze as their #1 candidate for an aversive agent.

**The American Academy of Pediatrics suggests a bittering agent be added to antifreeze.  
The American Journal of Public Health suggests adding a bittering agent to lethal products.**

Nevada Poison Control Centers report 25-30 exposures to ethylene glycol antifreeze in 2001.

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### PETS:

Twenty-one Nevada Pet Clinics were surveyed. They report 78 cases of ethylene glycol poisonings – all but 11 DIED.

**SB 304**

**Committee on Natural Resources, April 2<sup>nd</sup>, 1:30**

**WHO WILL TESTIFY – COMMITTEE HEARING?**

Doris Day Animal League - Beverlee McGrath

Nevada State Medical Association – Larry

Nevada Veterinary Medical Association – Fred Hillerby ?

American Foundation for Suicide Prevention, Nevada Chapter

Suicide Prevention Action Network, USA

Sierra Club

Humane Society of the United States – Bob Reder

Nevada Humane Society ?