

# Antifreeze Toxicity



## Symptoms



Increased Thirst



Vomiting and Diarrhea



Depression



Loss of Coordination



Kidney Failure (*pet may show improvement before kidney's fail*)



## First Aid Materials



Hydrogen Peroxide



Liquor (e.g. vodka, whiskey, gin, rum)



Eyedropper or dosage syringe



Milk-Half and Half



## First Aid



If exposure is suspected, induce vomiting by feeding the dog 1 teaspoon of hydrogen peroxide (mixed with 1 teaspoon milk if available). Force feed if necessary even if milk is not available.



Get immediate veterinary help.



If a veterinarian cannot be found, then when vomiting ceases or if vomiting cannot be induced, feed the dog using an eyedropper or dosage syringe 2 tablespoons of liquor, mixed with 2 tablespoons of half and half, if no half and half use milk, if no milk, mix with water.



Wait 10 minutes, if no signs of depression or intoxication administer another dose. The ethanol in the alcohol competes with the ethylene glycol metabolism decreasing the amounts that may cause damage to the kidney's. It also promotes increased urination to allow faster excretion of the poison.



Seek veterinarian attention for further treatment.

Antifreeze contains ethylene glycol which, when metabolized, causes kidney damage that is usually fatal. Even a small amount will cause severe illness or death. Because the toxin is rapidly absorbed, symptoms may appear as early as one hour after ingestion.

Symptoms are vague and mimic those of many other conditions and diseases. *There are antifreezes which contain propylene glycol. While it may upset your pet's stomach or cause mild nervous system reactions, it is unlikely to cause lethal problems such as kidney failure. Regardless of what kind he laps up you will need to see the vet right away.*