

Refresh *Specialty Additive Odor Control*

GENERAL DESCRIPTION

Refresh is a highly concentrated odor eliminator. Certain microorganisms, especially anaerobic bacteria, will produce gases as they proliferate. These gases often contain high levels of hydrogen sulfide, which is often compared or associated with a "rotten egg like odor". Refresh neutralizes the gases and makes them inert.

Refresh is not a biocide, however, in conjunction with other basic procedures, Refresh lowers bacteria counts. Its unique chemistry not only neutralizes the gases but also creates an undesirable environment for the odor causing bacteria. Refresh helps normalize coolant systems and brings them back to desired stability ranges.

APPLICATION

First, all the basic parameters of the coolant must be within specification. The coolant concentration must be brought within the target ranges and tramp oil must be below 2% by volume.

Once the above parameters are met, add the following amounts:

Moderately spoiled system: *Add 1 ounce per 50 gallons of coolant (approximately 150 ppm).*

Severely spoiled system: *Add 2 ounce per 50 gallons of coolant (approximately 300 ppm).*

Maintenance dosing: *Add 1 ounce per 150 gallons to all amounts of fresh coolant being added to maintain the desired coolant volume of the system (approximately 50 ppm).*

MAINTENANCE & CLEANING

Maintenance: Store Refresh in a sealed container away from extreme heat and direct sunlight.

Cleaning: When used as directed, Refresh has minimal influence on the coolant's physical or chemical characteristics. As with any additive, it should be tested in an isolated process to assure that it does not influence any secondary processes.

PRODUCT CHARACTERISTICS:	Refresh
Form	Liquid
Color	Blue
Odor	Mild
Specific Gravity	1.1
Viscosity: SUS @ 100°F	32
cSt @ 40°C	2
Flash Point, COC, °F/°C	N/A
Fire Point, COC, °F/°C	N/A
Pour Point, °F/°C	32 / 0
Solubility in Water	100%
Boiling Point, °F/°C	212 / 100
Vapor Pressure, mm Hg @ 25°	<0.01
pH @ 10%	9.4

Shipping Units:

Refresh is available in 5 gallon, 55 gallon and Intermediate Bulk Containers (275 or 330 gallons).

All products are distributed worldwide.

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