

The Great Outdoors

WASTEWATER TREATMENT PLANT

and the use of

RV HOLDING TANK CHEMICALS



Over the years we have had problems with our Wastewater Treatment Plant (WWTP) due to some common chemicals used in RV holding tanks. These chemicals kill the beneficial bacteria that are necessary for the WWTP to function. When this happens, we must pump out the WWTP and have the wastewater hauled away at a high cost. In 2006, the Community Services Association had to spend over \$200,000 in hauling and other costs in order to restore the WWTP to proper operation, this resulted in a special assessment of \$150 per site.

What can you do? Make certain that you do not use any RV holding tank treatments that contain any of the chemicals listed below. If your RV holding tank currently contains any of these chemicals, use the official dump station near the rally lot, *not your home sewer system*.

AVOID RV TANK TREATMENTS THAT CONTAIN THESE CHEMICALS:

ACTIVE INGREDIENT	THREATS TO HUMAN & ENVIRONMENTAL HEALTH
Bronopol (bromo-nitropropane-dial)	Bacterial pesticide
Dowacil (1-(3-chlorallyl)-3,4, 7-triaza-1-azoniaadamantane chloride)	Bacterial pesticide (EPA states “Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority.”)
Formaldehyde (also known as Formalin; degradate of bronopol)	Kills or retards bacterial growth, recognized by EPA as probable carcinogen ⁽¹⁾ ; moderately toxic to Humans ⁽²⁾
Glutaraldehyde (also known as embalming fluid)	Retards bacterial growth and covers sewage odor. Is an eye/ inhalation irritant.
Paraformaldehyde (polymerized formaldehyde)	Very toxic to humans ⁽³⁾ . (See formaldehyde)
Para-dichlorobenzene (common ingredient in mothballs, urinal cakes, and toilet bowl fresheners)	Known carcinogen ⁽¹⁾ and drinking water contaminant; moderately toxic to humans.

(1) A carcinogen causes cancer (2) Lethal dose for 150 lb person is between 1 ounce to 16 ounces

(3) Lethal dose for 150 lb person is between 1 teaspoon to 1 ounce

NOTE: The University of Arizona and the Environmental Protection Agency (EPA) have placed these chemicals on their alert list, and recommend not using RV holding tank products that contain these active ingredients.

RECOMMENDED TREATMENTS: If you find that it's necessary to use a holding tank treatment in your RV, please use one of these ecologically friendly treatments listed below:

RV Pro 200 (by Heartland Labs), Pure Power (by OP Products), Piranha (by Super Seal), Eco-Save (by Eco-Save Products), and other products that use enzymes and bacteria as their main ingredients are also permissible. If you will use more water to flush and dump your holding tanks more frequently, you may not need to use any RV holding tank treatment. Thanks for your cooperation.

The Great Outdoors - Community Services Association - Board of Directors