


## RV Holding Tank Product Ingredient List

Includes products on the EPA or UAZ Alerts and products recognized as biocides	Appears bacterial or enzyme based	Products not color coded are due to the lack of an MSD sheet or this author's unfamiliarity with the chemicals listed and cannot attest to their level of health or environmental safety.
Manufacturer	Holding Tank Products	MSDS listed components
<b>ASAS/Tysol, Inc.</b>	ENVIRO-FLUSH TY-3050/SC (Summer)	alkyl (C12-C16) Dimethylbenzylammonium Chlorides, Didecyl Dimethyl Ammonium Chloride
	ENVIRO-FLUSH TY-3010 (Winter)	alkyl (C12-C16) Dimethylbenzylammonium Chlorides, Didecyl Dimethyl Ammonium Chloride
	ENVIRO-FLUSH 6010 - NON FORMALDEHYDE	alkyl (C12-C16) Dimethylbenzylammonium Chlorides, Didecyl Dimethyl Ammonium Chloride
	ENVIRO-FLUSH TY-6060 Concentrate	alkyl (C12-C16) Dimethylbenzylammonium Chlorides, Didecyl Dimethyl Ammonium Chloride
	ENVIRO-FLUSH TY-4060	alkyl (C12-C16) Dimethylbenzylammonium Chlorides, Didecyl Dimethyl Ammonium Chloride, Isopropanol
<b>Camco Manufacturing</b>	TST Measuring Bottle	Bronopol (2-Bromo-2-Nitro-1, 3-Propanediol)
	TST Orange Power	Sodium Carbonate Peroxyhydrate, Sodium Chloride
	TST Max	Calcium Chloride, Sodium Chloride, Bronopol (2-Bromo-2-Nitro-1, 3-Propanediol)
	TST Singles	Calcium Chloride, Sodium Chloride, Bronopol (2-Bromo-2-Nitro-1, 3-Propanediol)
	TST Liquid	Calcium Chloride, Sodium Chloride, Bronopol (2-Bromo-2-Nitro-1, 3-Propanediol)
	TST Drop-Ins	Sodium Chloride, Bronopol (2-Bromo-2-Nitro-1, 3-Propanediol)
	TST Tabs	n-alkyl Dimethyl, Benzyl Ammonium Chloride
	TST Grey Water Odor Control	Linear Alcohol Ethoxylate, Tetra Sodium Salt of Ethylenediaminetetraacetic Acid, n-Alkyl Dimethyl Benzyl Ammonium, Chloride, Methyl N, N'-bis-(2 hydroxyethyl) Isodecylpropyl Ammonium Chloride
<b>Camping World Brand</b>	Revitalize (made by Thetford)	Waiting for MSDS
<b>Chempace Corporation</b>	Ultra EZ-Shot	Waiting for MSDS
	Ultra PowrPak XL	Waiting for MSDS
	BioForce RV	Waiting for MSDS
	CitisaferTU	Waiting for MSDS
	Odor-eze	Waiting for MSDS
<b>Cobitco, Inc.</b>	Enviro Chem	Waiting for MSDS
<b>Conservation Chemistry</b>	Break-up Plus	non-toxic, non-hazardous, non-flammable ingredients
<b>The Definitive Deodorant Co</b>	Formula 105	Detergent Compound liquid
<b>Happy Camper</b>	Happy Camper	monohydrate, highly concentrated mineral blend.
<b>Heartland Labs</b> 	RV Tec 100	Mixture of non-hazardous ingredients
	RV PRO 2000	Mixture of non-hazardous ingredients
<b>Inca Gold</b>	Inca Gold Powder Concentrate	Waiting for MSDS
	Inca Liquid Gold II Toilet Deodorizer	2-Hydroxymethyl-2 nitro-1,3-propanediol
	Inca Gold Super Concentrate Liquid Toilet	2-Hydroxymethyl-2 nitro-1,3-propanediol

<b>JWH Distributing</b> 	Eco-Save	Viable Bacteria cultures, Sodium Nitrate, Opacifier, Chelating Agent, Fragrance, Ethoxylated nonylphenol
<b>Kronen</b>	Kronen	Bacteria cultures, water & preservatives
<b>OP Products Inc</b>	Pure Power	Bacterial spore concentrate
	Power Max	Bacterial spore concentrate
	Sensor Power	Bacterial spore concentrate
	Pure Power Tabs	Bacterial spore concentrate & lemon fragrance
<b>Sealand, Dometic Corp</b>	Sealand deodorant	Formaldehyde, Methyl Alcohol, Tergitol 15-S-12 Surfactant
	Sealand Formaldehyde Free deodorant	Bronopol (2-Bromo-2-Nitro-1, 3-Propanediol)
<b>Super Seal</b>	Pirahna	water, bacteria, enzymes
<b>Trisynergy</b>	RM Tank Care	sodium chloride, sodium bicarbonate, bacterial cultures
<b>Unique Marketing &amp; Mfg</b>	Unique RV Digest-It	Waiting for MSDS
<b>Thetford/Norcold Corp</b>	Aqua Chem products	Formaldehyde, Bronopol, Sodium Chloride, Paraformaldehyde, Methanol
	Aqua Zyme	nonionic Surfactant
	Campa Chem products	Formaldehyde, Bronopol, Sodium Chloride, Silicon Dioxide, Paraformaldehyde, Methanol
	Eco Smart	Nonionic Surfactant, Calcium Nitrate
	Eco Smart Enzyme	Nonionic Surfactant
	Eco Smart Toss Ins	Ammonium Calcium Nitrate double salt, Nonionic Surfactant
	Supreme Green	Bronopol, Sodium Chloride, Silicon Dioxide
	Grey Water Oder Control	Bronopol, nonionic surfactant
Refresh products	Bronopol, Paraformaldehyde, Methanol, Ammonium Calcium Nitrate, Calcium Nitrate	
<b>Valterra Products Inc</b>	RV Trine Concentrate Enzyme	Propylene Glycol
	RV Trine Dry	Calcium Carbonate, sodium thiosulfate, sodium chloride, sodium sulfate
	RV Trine	non-hazardous, non-toxic, non-restricted ingredients
	RV Trine Drop Ins	Waiting for MSDS
	RV Trine Bacterial Toilet Treatment	Waiting for MSDS
	Potty Toddy Drop Ins	Waiting for MSDS
<b>Walex Products Company, Inc</b> 	Exodor Porta-Pak	Magnesium sulfate, cationic surfactant, Bronopol (2-bromo-2-nitro-1, 3-propanediol), amorphous silica, 10-15% trade secret
	Exodor Bio- Pack	magnesium sulfate, alcohol ethoxylate, monosodium phosphate, 15-40% trade secret
<b>Winston Company</b>	OxyKEM	Sodium percarbonate
	OxyKEM 2	Sodium percarbonate
<b>Yara North American Inc</b>	Odorlos	Waiting for MSDS

**Ingredients Commonly Found in RV Holding Tank Treatments Which Pose a Threat to Human & Environmental Health**

Active Ingredient	Threats to Human & Environmental Health
Bronopol (chemical name: bromo-nitropropane-diol)	bacterial pesticide
Dowicil (chemical name: 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 formalin)	kills or retards bacterial growth, recognized by EPA as a hazardous air pollutant (HAP) and a carcinogen (CA)

Glutaraldehyde (also known as embalming fluid)	retards bacterial growth and covers sewage odor, 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(2)

(1) a carcinogen causes cancer

(2) lethal dose for 150 lb person is between 1 ounce to 1 pint

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

compiled as of  
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