purtabs™

SANITIZING & DISINFECTION TABLETS BY EVACLEAN

ACTIVE INGREDIENT:

Sodium dichloro-s-triazinetrione	48.21%*
Other Ingredients:	51.79%
Total	100.00%

*Equivalent to 31.10% active chlorine by tablet weight. Refer to dilution chart for Available Chlorine concentrations

KEEP OUT OF REACH OF CHILDREN

DANGER

See product container label for additional precautionary statements and first aid and full directions for use.

For use in Cleaning and Disinfection on hard non-porous surfaces in beverage and food processing plants, schools, hospitals, nursing homes, child care centers, restaurants, stores, veterinary clinics, zoos and aquariums, dairy farms, farms, poultry premises, industrial facilities, kennels, boarding facilities, laboratories, lab animal facilities, institutions, catering, kitchens, Intensive Care Unit, operating rooms, dental facilities, gyms, health clubs, and restrooms. Effective against *Clostridioides difficile* spores. Effective against Hepatitis A virus, Hepatitis B virus and Hepatitus C virus.
PURTABS is a Hospital Use Disinfectant. As a Healthcare disinfectant it is effective against standard Gram positive and Gram negative bacteria (*Staphylococcus aureus, Pseudomonas aeruginosa* and *Salmonella enterica* and Cold and flu viruses (respiratory syncytial virus, Influenza Virus H1N1). Refer to Usage Table for the appropriate doses and contact times.
PURTABS is effective against the following micro-organisms on pre-cleaned, hard, non-porous, inanimate surfaces: *Salmonella enterica*, *Staphylococcus aureus*, *Pseudomonas aeruginosa*, *Klebsiella pneumoniae*, *Staphylococcus epidermidis*, *Escherichia coli* O157:H7, *Staphylococcus aureus* – methicillin- resistant (MRSA) & glycopeptide-resistant (GRSA), carbapenem resistant *Klebsiella pneumoniae*, *Acinetobacter baumannii, Streptococcus pneumoniae*, vancomycin resistant *Enterococcus faecalis*, Poliovirus type 1, Herpes simplex virus type 1, Hepatitis A virus, Hepatitis B virus, Hepatitis C virus, Human Immunodeficiency Virus Type 1 (associated with AIDS), Influenza A Virus H1N1, respiratory syncytial virus, Canine Parvovirus, Newcastle Disease Virus, Pseudorabies virus, Canine Distemper Virus, Feline Calicivirus, Norovirus, Coxsackievirus (Type B3), *Trichophyton interdigitale*, *Aspergillus fumigatus, Candida albicans, Mycobacterium bovis* (TB) *Clostridioides difficile* spores (formerly *Clostridium difficile*) and SARS Associated Coronavirus 2. Refer to Usage Table for solution concentration and contact times
PURTABS is an effective Healthcare disinfectant tablet against *Candida auris* with a 2 minute contact time. Refer to Usage Table for solution concentration.
PURTABS is designed to provide effective cleaning, and disinfection in areas where it is of prime importance in controlling cross contamination on treated pre-cleaned, hard, non- porous, inanimate surfaces.
PURTABS is a disinfectant that disinfects pre-cleaned, hard, non-porous, inanimate surfaces. This cleaning process may be accomplished with any cleaner solution including PURTABS.
PURTABS provides effective cleaning strength that will not dull high gloss floors finishes with repeated use.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER: Corrosive. Causes irreversible eye damage. Harmful if swallowed, inhaled, or absorbed through skin. Do not get in eyes, on skin, or clothing. Avoid breathing dust. Wear chemical-resistant gloves and safety glasses or face shield when making up solution. Wash thoroughly with soap and water after handling, and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse. See additional precautionary and first aid statements inside the label.

FIRST AID:

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice. **IF SWALLOWED:** Call a poison control center, or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person. **IF INHALED:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice. **IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

IN THE EVENT OF A MEDICAL EMERGENCY CALL YOUR POISON CONTROL CENTER AT 1-800-222-1222.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.
NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.
PHYSICAL OR CHEMICAL HAZARDS: STRONG OXIDIZING AGENT: Use only clean dry utensils. Mix only into water. Contamination with moisture, dirt, organic matter, other chemicals or any other foreign matter may start a chemical reaction with generation of heat, liberation of hazardous gases and possible generation of fire and explosion. Avoid any contact with flaming or burning material such as a lighted cigarette. Do not use this product in any chlorinating device which has been used with any inorganic or unstabilized chlorinating compounds (e.g., calcium hypochlorite). Such use may cause fire or explosion.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read the entire label and use strictly in accordance with precautionary statements and directions.

GENERAL SOLUTION PREPARATION

Prepare a fresh solution daily or if solution becomes diluted. Follow specific Directions for Use and Dilution Chart when preparing solution. Do not use hot water for solution preparation. All treated equipment that will contact food, feed, or drinking water must be rinsed with potable water before reuse.

GENERAL SOLUTION APPLICATION

Apply use solution to hard, non-porous, inanimate surfaces with brush, spray device, sponge, cloth, or mop as appropriate to wet all surfaces thoroughly. Allow to remain wet for contact time as indicated in the Usage Table, then remove product by wiping with brush, sponge, or cloth or allow to air dry.
For sprayer applications using a spray device, spray at appropriate distance from surface depending on sprayer type (6 – 8 inches for spray bottles). Allow surface to remain wet for contact time as indicated in the Usage Table, then remove product by rubbing with brush, sponge, wipe or cloth or allow to air dry. Do not breathe spray mist. Before using this product, food products and packaging materials must be removed from the room or carefully protected.
Notice to User: This product is not to be used as a terminal sterilant/high level disinfectant on any surface or instrument that (1) is introduced directly into the human body, either into or in contact with the blood stream or normally sterile areas of the body, or (2) contacts intact mucous membranes but which does not ordinarily penetrate the blood barrier or otherwise enter normally sterile areas of the body. This product may be used to pre-clean or decontaminate critical or semi-critical medical devices prior to sterilization or high level disinfection.

HEALTHCARE AND GENERAL DISINFECTION PERFORMANCE:

PURTABS is a Hospital Use Disinfectant. As a Healthcare disinfectant it is effective against standard Gram positive and Gram negative bacteria (*Staphylococcus aureus, Pseudomonas aeruginosa,* and *Salmonella enterica*) and Cold and flu viruses (respiratory syncytial virus, Influenza A Virus H1N1).
Refer to Usage Table for the appropriate doses and contact times.

HEALTHCARE AND GENERAL DISINFECTION DIRECTIONS:

Prepare a 1076 ppm solution; (refer to Dilution Chart). Apply solution as directed under General Solution Application.

HEALTHCARE DISINFECTION/VIRUCIDAL† DIRECTIONS:

Prepare solution strength as required, refer to Usage Table for correct doses and contact times; refer to Dilution Chart for solution preparation. Apply solution as directed under General Solution Application.

KILLS HUMAN IMMUNODEFICIENCY VIRUS TYPE 1 (HIV-1), HEPATITIS A VIRUS, AND HEPATITIS B VIRUS AND HEPATITIS C VIRUS ON PRE-CLEANED ENVIRONMENTAL SURFACES/OBJECTS PREVIOUSLY SOILED WITH BLOOD/BODY FLUIDS

in health care settings or other settings in which there is an expected likelihood of soiling of inanimate surfaces/objects with blood or body fluids, and in which the surfaces/objects likely to be soiled with blood or body fluids can be associated with the potential for transmission of Human Immunodeficiency Virus Type 1 (HIV-1) (associated with AIDS). Kills Human Immunodeficiency Virus Type 1 (HIV-1), Hepatitis A virus and Hepatitis B virus at 1076 ppm active chlorine solution in 10 minutes. Kills, Human Immunodeficiency Virus Type 1 (HIV-1), Hepatitis A virus, Hepatitis B virus and Hepatitis C virus at 4306 ppm active chlorine solution in 1 minute. Refer to Usage Table for correct doses and contact times. Refer to Dilution Chart for solution preparation.

SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATION AGAINST Human Immunodeficiency Virus Type 1 (HIV-1) OF SURFACES/OBJECTS SOILED WITH BLOOD/ BODY FLUIDS:

PERSONAL PROTECTION: Specific barrier protection items to be used when handling items soiled with blood or body fluids are disposable latex gloves, gowns, masks, and eye coverings.
CLEANING PROCEDURE: Blood and other body fluids must be thoroughly cleaned from surfaces and objects before application of PURTABS. This cleaning process may be accomplished with any cleaning solution including PURTABS.
DISPOSAL OF INFECTIOUS MATERIALS: Blood and other body fluids should be autoclaved and disposed of according to federal, state and local regulations for infectious waste disposal.
CONTACT TIME: Leave surfaces wet for 10 minutes when using a 1076 ppm solution. Leave surfaces wet for 1 minute when using a 4306 ppm solution. Refer to Usage Table for correct doses and contact times. Refer to Dilution Chart for solution preparation

ANIMAL PATHOGENS:

When used at dosage and contact times as outlined in the Usage Table, PURTABS is effective against the following animal pathogens: Canine Parvovirus, Herpes simplex virus type 1¥, Newcastle Disease Virus, Pseudorabies virus, Feline Calicivirus, Norovirus, Canine Distemper virus, Teschen/Talfan disease¥, Avian Influenza A Virus (H5N1)¥, Porcine parvovirus¥, Runting & Stunting virus (tenosynovitis)¥, *Actinobacillus pleuropneumoniae*¥, *Bordetella bronchiseptica*¥, *Brachyspira Hyodysenteriae* (swine dysentery)¥, Gumboro disease¥, Porcine Epidemic Diarrhea Virus¥, *Streptococcus uberis*¥, Transmissible gastroenteritis (TGE)¥, Swine Vesicular disease¥, African swine fever¥, Hog cholera/Classical swine fever¥,Avipox (fowl pox)¥, Respiratory syncytial virus¥, Bovine Viral Diarrhea Virus¥ and Porcine epidemic diarrhea virus¥. Re-apply product as necessary to ensure surface remains wet.
¥Note: these organisms not approved by the state of California

SPECIAL INSTRUCTIONS FOR CLEANING AND DISINFECTION IN ANIMAL HOUSING AND ANIMAL TRANSPORT FACILITIES:

1. Remove all animals and feed from premises, vehicles, and enclosures.
2. Remove all litter and manure from floors, walls and surfaces of barns, pens, stalls, chutes, and other facilities and fixtures occupied or traversed by animals.
3. Empty all troughs, racks, and other feeding and watering appliances.
4. Thoroughly clean all surfaces with soap or detergent and rinse with water.
5. Saturate all surfaces with appropriate solution strength for the appropriate contact time, refer to Usage Table for correct dose and contact time, and to Dilution Chart for solution preparation.
6. Immerse all halters, ropes, and other types of equipment used in handling and restraining animals, as well as forks, shovels, and scrapers used for removing litter and manure.
7. Ventilate buildings and other closed spaces. Do not house livestock or employ equipment until treatment has been absorbed, set, or dried.
8. Thoroughly scrub all treated feed racks, mangers, troughs, automatic feeders, fountains, and waterers with soap or detergent, and remove product by rubbing with brush, sponge, wipe or cloth or allow to air dry before reuse.

PURTABS is also effective as a Healthcare disinfectant for critical areas potentially contaminated with *Clostridioides difficile* spores (formerly *Clostridium difficile*) when used at the dosage and contact time as detailed in the Usage Table.

DISINFECTION FOR SURFACES CONTAMINATED WITH *CLOSTRIDIOIDES DIFFICILE* (formerly *Clostridium difficile*)

SPORICIDAL DISINFECTANT
PURTABS kills and/or inactivates spores of *Clostridioides difficile* on hard, nonporous surfaces. This product is effective against *Clostridioides difficile* endospores after a 4 or 10 minute exposure time. Refer to dilution chart for appropriate dose.
Directions for Use: Prepare the appropriate solution strength by referring to Usage Table. Refer to Dilution Chart for solution preparation. Apply solution as directed under "General Solution Application".

Special Instructions for Cleaning Prior to Disinfection against *Clostridioides difficile* spores:
PERSONAL PROTECTION: Wear appropriate barrier protection such as gloves, gowns, masks or eye covering.
CLEANING PROCEDURE: Fecal matter/waste must be thoroughly cleaned from surfaces/objects before disinfection by application with a clean cloth, mop, and/or sponge saturated with the disinfectant product. Cleaning is to include vigorous wiping and/or scrubbing, until all visible soil is removed. Special attention is needed for high-touch surfaces. Surfaces in patient rooms are to be cleaned in an appropriate manner, such as from right to left or left to right on horizontal surfaces, and top to bottom on vertical surfaces, to minimize spreading of the spores. Restrooms are to be cleaned last. Do not reuse soiled cloths.
INFECTIOUS MATERIALS DISPOSAL: Materials used in the cleaning process that may contain feces/wastes are to be disposed of immediately in accordance with local regulations for infectious materials disposal.

HEALTHCARE DISINFECTION WITHOUT PRECLEAN PERFORMANCE

PURTABS is a Healthcare disinfectant when used at the doses and contact times indicated in the Usage Table at a level of 4,306 ppm available chlorine disinfectant solution. It is effective against Norovirus, Coxsackievirus Type B3 and *Aspergillus fumigatus* with a 1 minute contact time. It is effective against *Salmonella enterica*, *Staphylococcus aureus*, *Pseudomonas aeruginosa*, carbapenem resistant *Klebsiella pneumoniae*, *Acinetobacter baumannii*, vancomycin resistant *Enterococcus faecalis*, *Staphylococcus aureus* – methicillin-resistant (MRSA) & glycopeptide-resistant (GRSA), *Streptococcus pneumoniae* and *Candida albicans* with a 4 minute contact time.

HEALTHCARE DISINFECTION WITHOUT PRECLEAN DIRECTIONS

Prepare a 4,306 ppm solution; refer to Dilution Chart. Apply solution as directed under General Solution Application. Refer to Usage Table.

To Pre-clean Instruments Prior to Terminal Sterilization/High Level Disinfection

Prepare a 2153 ppm solution. **As a pre-cleaning spray** - Place instruments into a suitable container, Spray PURTABS onto instruments to thoroughly wet all surfaces. Let stand for up to 10 minutes. Rinse instruments.
As a pre-cleaning immersion solution - Fill appropriate size container with a sufficient amount of PURTABS to completely submerge instruments. Place instruments into the container of PURTABS, cover, and allow to soak for up to 10 minutes. Remove and rinse and follow with an appropriate cleaning and disinfecting process. Change solution daily.
As a manual instrument cleaner - Thoroughly pre-rinse dirty instruments under running water to remove gross debris. Immerse pre-rinsed instruments into an appropriate size container filled with PURTABS. Scrub instruments using a stiff bristle brush until clean. Submerge instruments while scrubbing. Rinse instruments thoroughly. Change solution daily. Follow with an appropriate disinfection process. Cleaning of critical and semi critical devices must be followed by an appropriate terminal sterilization/high level disinfection process.
To Disinfect Non-Critical Pre-Cleaned Instruments - Instruments must be thoroughly pre-cleaned to remove excess organic debris rinsed and rough dried (Clean and rinse lumens of hollow instruments before filling with PURTABS or before immersion.)
Immersion method using a soaking tray: Immerse instruments into PURTABS and let stand for ten or 10 minutes. Change solution for each use.
Spray method - Spray all surfaces of instruments with PURTABS until thoroughly wet. Let stand for 10 minutes.

PURTABS is also effective as a Healthcare disinfectant for critical areas potentially contaminated with *Mycobacterium bovis* (Tb) when used at a level of 5382 ppm available chlorine disinfectant solution. A 4 minute contact time is required.

DISINFECTION FOR SURFACES CONTAMINATED WITH *MYCOBACTERIUM BOVIS* (Tb) IN 4 MINUTES at 20°C (68°F)

Special Label Instructions for Cleaning Prior to Disinfection against *Mycobacterium bovis* (Tb): This product when used as directed below is effective against *Mycobacterium bovis* (Tb).
This product can be used on hard non-porous surfaces in commercial institutional hospital and other premises (including kitchens, bathrooms, nurseries, sick rooms, laundry rooms, eating establishments, pet kennels, and veterinary premises). To disinfect hard non-porous surfaces, first clean surface by removing gross filth (loose dirt, debris, food materials etc.). Prepare a 5,382 ppm available chlorine solution. Thoroughly wet surface with the solution and allow it to remain in contact with the surface for 4 minutes. Remove product by rubbing with brush, sponge, wipe or cloth or allow to air dry.

PURTABS is also effective as a Healthcare disinfectant for critical areas potentially contaminated with *Candida auris* when used at a level of 4306 ppm available chlorine disinfectant solution. A 2 minute contact time is required.

DISINFECTION FOR SURFACES CONTAMINATED WITH *CANDIDA AURIS*

Special Label Instructions for Cleaning Prior to Disinfection against *Candida auris*
PERSONAL PROTECTION: Wear appropriate barrier protection such as gloves, gowns, masks, or eye covering.
CLEANING PROCEDURE: Fecal matter/waste must be thoroughly cleaned from surfaces/objects before disinfection by application with a clean cloth, mop, and/or sponge saturated with the product. Pre-cleaning is to include vigorous wiping and/or scrubbing and all visible soil is removed. Surfaces in patient rooms are to be cleaned in an appropriate manner, such as from right to left or left to right, on horizontal surfaces, and top to bottom, on vertical surfaces, to minimize spreading the organism. Restrooms are to be cleaned last. Do not reuse soiled cloths.
INFECTIOUS WASTE DISPOSAL: Materials used in the cleaning process that may contain feces/wastes are to be disposed of immediately in accordance with local regulations for infectious materials disposal.

SANITIZER FOR FOOD AND BEVERAGE PROCESSING AND FOOD HANDLING OPERATIONS

Prepare a 100 ppm solution; refer to Dilution Chart for the number of tablets to use.
This product is recommended for sanitizing all types of hard, non-porous equipment and utensils used in food processing and canning plants, bottling plants, breweries, fish processing plants, meat and poultry processing plants, milk handling and processing plants, stores, restaurants, and institutional dining establishments. Use a 100 ppm available chlorine solution (refer to Dilution Chart) to sanitize previously cleaned processing and packaging equipment. Allow at least a 1 minute contact time before draining. Allow adequate draining before contact with beverages.

SANITIZING HARD, NON-POROUS SURFACES, DISHES, GLASSES, FOOD PROCESSING EQUIPMENT AND UTENSILS, DAIRY AND BREWERY EQUIPMENT AND UTENSILS

Prepare a 100 ppm solution; refer to Dilution Chart for the number of tablets to use.
This product is an effective sanitizing agent. Treatment with this product throughout food and beverage processing and food handling operations can help ensure the quality of the final product.

purtabs™
SANITIZING & DISINFECTION TABLETS BY EVACLEAN

FOOD CONTACT SANITIZING DIRECTIONS

HANDWASHING OF ITEMS IN A 3 COMPARTMENT SINK

1. Remove all visible food particles and soil by a preflush or prescrape and, when necessary, presoak treatment. Wash surfaces or objects with a good detergent or compatible cleaner, followed by a potable water rinse before application of the sanitizing solution.
2. Prepare a 100 ppm available chlorine sanitizing solution (refer to Dilution Chart).
3. Place equipment, utensils, dishes, glasses, etc. in the solution or apply the use solution to surfaces using a cloth, sponge, or coarse sprayer.
4. Allow to stand for at least 1 minute, drain the excess solution from the surface, and allow to air dry.
5. Fresh sanitizing solution must be prepared at least daily or more often if the solution becomes diluted or soiled.

HANDWASHING OF ITEMS IN A 2 COMPARTMENT SINK

1. Remove all visible food particles and soil by a preflush or prescrape and, when necessary, presoak treatment. Wash surfaces or objects with a good detergent or compatible cleaner,
2. Prepare a 100 ppm available chlorine sanitizing solution (refer to Dilution Chart).
3. Place equipment, utensils, dishes, glasses, etc. in the solution or apply the use solution to surfaces using a cloth, sponge, or coarse sprayer.
4. Allow to stand for at least 1 minute, drain the excess solution from the surface, and allow to air dry.
5. Fresh sanitizing solution must be prepared at least daily or more often if the solution becomes diluted or soiled.

MACHINE WASHING OF ITEMS

1. Remove all visible food particles and soil by a preflush or prescrape and, when necessary, presoak treatment. Wash surfaces or objects with a good detergent or compatible cleaner, followed by a potable water rinse before application of the sanitizing solution.
2. Prepare a 100 ppm available chlorine solution (refer to Dilution Chart).
3. Add the solution to the feed tank of immersion or spray type machines that can provide at least 1 minute contact time for sanitizing dishes, glasses, food processing equipment, or utensils. Allow to drain and air dry before use.
4. Promptly use the sanitizing solution after preparation. Discard unused solutions

Use a suitable chlorine test kit to check solution frequently. Change the solution as needed to prevent concentration from falling below 100 ppm available chlorine at any time.
Where equipment and utensils are used for the preparation of foods on a continuous or production-line basis, utensils and the food-contact surfaces of equipment must be washed, rinsed with potable water and sanitized at intervals throughout the day on a schedule based on food temperature, type of food, and amount of food particle accumulation.

The following directions for Use are not allowed in the state of California:

SHOE AND BOOT BATH DEODORIZER
To deodorize footwear worn in animal areas and in packaging and storage areas of food plants. Shoe and Boot baths containing one inch of freshly made 100 ppm available chlorine solution (refer to Dilution Chart) should be placed at all entrances to buildings, hatcheries, and at all the entrances to the production and packaging rooms. Scrape waterproof shoes and boots and place into solution for at least 1 minute prior to entering area. Change the solution in the bath at least daily or sooner if solution appears diluted or dirty.

MILK HANDLING AND PROCESSING EQUIPMENT
This product can be used on dairy farms and in plants processing milk, cream, ice cream, and cheese. Rinse milking machines, utensils, and all equipment with cold water to remove excess milk. Clean with a suitable detergent cleaning product and or water as appropriate and rinse prior to sanitizing. To sanitize, spray or rinse all pre-cleaned surfaces with 100 ppm available chlorine solution (refer to Dilution Chart). Allow at least a 1 minute contact time before draining. Allow adequate draining before contact with dairy products.
It is important to clean out large deposits of milk or other organic matter before sanitizing. A sharp decline in the available chlorine content of the sanitizer following circulation through milk processing equipment is usually regarded as evidence of inadequate cleaning of the equipment and should be promptly investigated.

The following directions for Use are not allowed in the state of California:

SANITIZING APPLICATION METHODS
Prepare a 100 ppm solution; refer to Dilution Chart for the number of tablets to use. Freshly prepare all sanitizing solutions. Test solutions during use to ensure the concentration does not drop below the recommended level. Keep in properly labeled containers to protect against contamination. Discard unused solutions.

GENERAL RINSE METHOD
Prepare a solution containing 100 ppm available chlorine (refer to Dilution Chart) to sanitize plant floors, walls and ceilings, and also control odors in refrigerated areas and drain platforms. Generously flush or swab surfaces with the solution. After 1 minute contact time allow solution to drain and then air dry.

DISINFECTION OF DRINKING WATER IN EMERGENCY/PUBLIC/INDIVIDUAL SYSTEMS

EMERGENCY DRINKING WATER: Use PURTABS to disinfect raw or pre- treated (settled, coagulated, and/or filtered) human and domestic animal drinking supplies on an emergency basis as defined in 40 CFR, Part 165-179. The treated water source may be a river, lake, well, cistern or similar system. The treated water should be clear and free of dirt and organic debris to obtain the optimum disinfection results. If the water source is cloudy and contains dirt and organic debris, the water should be in holding tanks or pond, treated with coagulating agents and filtered to remove dirt and organic debris. Refer to Dilution Chart for the number of tablets to use to achieve available chlorine concentration of 10 ppm; Allow water to stand for seven to fifteen minutes before use. Maintain 1 ppm available chlorine residual, as determined by a reliable chlorine test kit, to ensure disinfection.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage and disposal.

PESTICIDE STORAGE

Store in a cool, dry, well-ventilated area at temperatures below 40°C/104°F. Avoid moisture getting into container.

PESTICIDE DISPOSAL

Pesticide may be acutely hazardous. Wastes resulting from the use of this product must be disposed of on-site, or at an approved waste disposal facility.

CONTAINER HANDLING

Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available or puncture and dispose of in a sanitary landfill

DILUTION CHART

Tablet size	0.3 g	3.3 g		13.1 g			
Solution ppm (mg/L) Available Chlorine	Tablets per one Quart of Water	Tablets	Quarts of water	Tablets	Gallons of Water	Tablets	Quarts of water
0.5	1 in 200 qt	1	2170	1	2153	1	8612
1	1 in 100 qt	1	1085	1	1076	1	4304
1.5	1 in 66 qt	1	723	1	718	1	2872
3	1 in 33 qt	1	362	1	359	1	1436
4	1 in 25 qt	1	271	1	269	1	1076
5	1 in 20 qt	1	217	1	215	1	860
10	1 in 10 qt	1	100	1	100	1	400
100	1	1	10	1	10	1	40
538	6	1	2	1	2	1	8
1076	11	1	1	1	1	1	4
2153	21	2	1	2	1	1	2
4306	42	4	1	4	1	1	1
5382	53	5	1	5	1	5	4

PURTABS Effervescent Sanitizing / Disinfection Tablets
EPA Reg. No. 71847-6-91524
EPA Est. No. 71847-IRL-001

Sold by:

EARTHSAFE CHEMICAL ALTERNATIVES

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083021 - 71847-6 V.1/25

USAGE TABLE

Pathogen	MINIMUM DOSE REQUIRED (PPM)	MINIMUM CONTACT TIME REQUIRED (MINUTES)
Food Contact Sanitizer Claims		
Staphylococcus aureus (ATCC 6538)	100 ppm	1 minute
Salmonella enterica (ATCC 6539)	100 ppm	1 minute
Listeria monocytogenes (ATCC 19117)	100 ppm	1 minute
Disinfection Claims – Bacteria		
Staphylococcus aureus (ATCC 6538)	a) 1076 ppm b) 4306 ppm	a) 10 minutes b) 4 minutes
Staphylococcus aureus – methicillin resistant (MRSA) & glycopeptide-resistant (GRSA) (ATCC 33592)	a) 1076 ppm b) 4306 ppm	a) 10 minutes b) 4 minutes
Staphylococcus epidermidis (ATCC 51624)	1076 ppm	10 minutes
Salmonella enterica (ATCC 10708)	a) 1076 ppm b) 4306 ppm	a) 10 minutes b) 4 minutes
Pseudomonas aeruginosa (ATCC 15442)	a) 1076 ppm b) 4306 ppm	a) 10 minutes b) 4 minutes
Streptococcus pneumoniae (ATCC 6305)	4306 ppm	4 minutes
Escherichia coli O157:H7 (ATCC 35150)	1076 ppm	10 minutes
Acinetobacter baumannii (ATCC BAA-1709)	4306 ppm	4 minutes
Vancomycin resistant *Enterococcus faecalis* (ATCC 51575)	a) 1076 ppm b) 4306 ppm	a) 10 minutes b) 4 minutes
Carbapenem resistant *Klebsiella pneumoniae* (ATCC BAA-1705)	4306 ppm	4 minutes
Klebsiella pneumoniae (ATCC 4352)	1076 ppm	10 minutes
Virucidal Claims†		
SARS Associated Coronavirus 2 (SARS-CoV-2)	1076 ppm	4 minutes
Respiratory syncytial virus† (ATCC VR-26)]	538 ppm	10 minutes
Rhinovirus Type 14† (ATCC VR-284)	1076 ppm	10 minutes
Influenza A Virus H1N1† (ATCC VR-99)	1076 ppm	10 minutes
Human Immunodeficiency Virus Type 1 (HIV-1)† (Strain IIIB)	a) 1076 ppm b) 4306 ppm	a) 2 minutes b) 1 minute
Hepatitis A virus† (Strain HM175/18f)	a) 1076 ppm b) 4306 ppm	a) 10 minutes b) 1 minute
Hepatitis B virus† (Duck Hepatitis B virus (DHBV)	a) 1076 ppm b) 4306 ppm	a) 2 minutes b) 1 minute
Hepatitis C virus† (Bovine Viral Diarrhea Virus Strain NADL – surrogate for Hepatitis C virus)	a) 1076 ppm b) 4306 ppm	a) 2 minutes b) 1 minute
Avian Influenza A Virus (H5N1)† (CDC #2006719965)	4306 ppm	1 minute
Norovirus† (ATCC VR-782)	2153 ppm	1 minute
Poliovirus Type 1† (ATCC VR-1000)	1076 ppm	10 minutes
Coxsackievirus Type B3† (ATCC VR-30)	4306 ppm	1 minute
Herpes simplex virus type 1† (ATCC VR-733)	1076 ppm	10 minutes
Fungicidal/Yeasticidal Claims		
Aspergillus fumigatus (ATCC 36607)	4306 ppm	1 minute
Candida albicans (ATCC 10231)	4306 ppm	4 minutes
Candida auris (CDC AR-0381)	4306 ppm	2 minutes
Trichophyton interdigitale (ATCC 9533)	1076 ppm	10 minutes
***Clostridioides difficile* Claims**		
Clostridioides difficile spores (formerly *Clostridium difficile*) (ATCC 43598)	a) 2153 ppm b) 4306 ppm	a) 10 minutes b) 4 minutes
***Mycobactericidal* Claims**		
Mycobacterium bovis (TB) (ATCC 35743)	5382 ppm	4 minutes
Animal Pathogens[1]		
Canine Parvovirus † (ATCC VR-2017)	1076 ppm	10 minutes
Herpes simplex virus type 1¥† (ATCC VR-733)	1076 ppm	10 minutes
Newcastle Disease Virus† (ATCC VR-180)	1076 ppm	10 minutes
Pseudorabies virus † (ATCC VR-135)	1076 ppm	10 minutes
Feline Calicivirus† (ATCC VR-782)	a) 1076 ppm b) 2153 ppm	a) 10 minutes b) 1 minute
Canine Distemper virus † (ATCC VR-128)	1076 ppm	10 minutes
Minute Virus of Mouse (MVM)† (ATCC VR-1346)	1076 ppm	10 minutes
Teschen/Talfan disease¥† (ATCC VR- 669)	1076 ppm	10 minutes
Influenza A Virus H1N1 † (ATCC VR-99)	1076 ppm	10 minutes
Avian Influenza A virus (H5N1) ¥† (ATCC VR-1608)	4306 ppm	1 minute
Porcine parvovirus ¥† (ATCC VR- 742)	1076 ppm	10 minutes
Runting & Stunting virus (tenosynovitis) ¥† (ATCC VR-2449) (ATCC VR-21)	1076 ppm	10 minutes
Actinobacillus pleuropneumoniae ¥† (NCTC 12370) (ATCC 27088)	1076 ppm	10 minutes
Bordetella bronchiseptica ¥† (ATCC 10580)	1076 ppm	4 minutes
Brachyspira Hyodysenteriae (Treponema/ Serpulina) (swine dysentery) ¥† (ATCC 27164)	1076 ppm	10 minutes
Gumboro disease ¥† (ATCC VR-478)	1076 ppm	10 minutes
Streptococcus uberis ¥† (ATCC 9927)	1076 ppm	10 minutes
Transmissible gastroenteritis (TGE)¥† (ATCC VR-743)	1076 ppm	30 minutes
Swine Vesicular disease¥† (ATCC VR-158)	1076 ppm	30 minutes
African swine fever¥† (ASFV)	1076 ppm	30 minutes
Hog cholera/Classical swine fever¥† (CSFV)	1076 ppm	30 minutes
Avipox (fowl pox)¥† (FPV)	1076 ppm	30 minutes
Respiratory syncytial virus¥† (ATCC VR-26)	538 ppm	10 minutes
Bovine Viral Diarrhea Virus ¥† (Strain NADL)	4306 ppm	1 minute
Porcine epidemic diarrhea virus ¥† (Strain Colorado)	1076 ppm	10 minutes

[1] Note: This use has not been approved by the California DPR
¥ Note: these organisms not approved by the state of California

SAFETY DATA SHEET

PURTABS (Dilution 0.5 - 5550 ppm)

Issue Date: 30-Jan-2019
Revision Date: 14-Jan-2021
Version 3

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY

Product Name: PURTABS (Dilution 0.5 - 5550 ppm)
Synonyms: US Klorsept

RECOMMENDED USE OF THE CHEMICAL AND RESTRICTIONS ON USE

Recommended Use: As indicated on US EPA master label, 71847-6
Uses advised against: As indicated on US EPA master label, 71847-6

DISTRIBUTED BY:

Earthsafe Chemical Alternatives, LLC.
145 Wood Road, Braintree MA, USA 02184
+1-866-666-2305

MANUFACTURER ADDRESS:

Medentech Ltd.
Clonard Road Wexford, Ireland
+353 539117900

EMERGENCY TELEPHONE NUMBER

24 Hour Emergency Phone Number POISON CONTROL CENTER AT 1-800-222-1222

2. HAZARDS IDENTIFICATION

CLASSIFICATION

Health Hazards
Not Classified.

Physical Hazards
Not Classified.

OSHA Regulatory Status
This product is not considered hazardous according to the OSHA Hazard Communication Standard (29 CFR 1910.1200, Revision 3).

LABEL ELEMENTS

Emergency Overview

Normal precautions common to safe manufacturing practice should be followed in handling and storage.

Appearance: Colorless liquid

Physical state: Liquid

Odor: Slight chlorine

HAZARDS NOT OTHERWISE CLASSIFIED (HNOC)

Not available.

OTHER INFORMATION

Harmful to aquatic life with long lasting effects. Harmful to aquatic life

3. COMPOSITION / INFORMATION ON INGREDIENTS

This product is not considered hazardous by the 2012 OSHA Hazard Communication Standard/Globally Harmonized System of Classification and Labelling of Chemicals (GHS); (29 CFR 1910.1200; Revision 3).

Synonyms: None known.

Chemical name	CAS No	Weight-%
Sodium-dichloro-s-triazinetrione	2893-78-9	0.00003-0.28
Adipic Acid	124-04-9	0.00001-0.13
Sodium Bicorbonate, USP	144-55-8	0.00001-0.12
Sodium carbonate	497-19-8	0.000002-0.02
Water	7732-18-5	> 99

4. FIRST AID MEASURES

DESCRIPTION OF FIRST AID MEASURES

General Advice Consult a physician. Show this safety data sheet to the doctor in attendance.

Eye Contact In case of eye contact to tablet product, immediately flush eyes with fresh water for at least 15 minutes while holding the eyelids open. Remove contact lenses if worn. Get medical attention if irritation persists.

Skin Contact In case of contact to tablet product, remove contaminated clothing. Immediately flush skin with copious amounts of water for at least 15 minutes. Obtain medical attention if skin reaction occurs.

Inhalation In case of inhaling dusts from broken tablets, immediately move exposed subject to fresh air. If not breathing, provide artificial respiration. If breathing is difficult, administer oxygen. Seek medical attention immediately.

Ingestion In case of accidental ingestion of tablet product, wash out mouth with copious amounts of water. Seek medical attention immediately. Do not induce vomiting unless directed by medical personnel. Never give anything by mouth to an unconscious person.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Symptoms Not available.

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Note to Physicians Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media Dry chemical, CO2, water spray or regular foam.

Unsuitable Extinguishing Media None known.

Specific hazards arising from the chemical Not available.

Hazardous Combustion Products Not available.

Explosion data
Sensitivity to Mechanical Impact Not available.
Sensitivity to Static Discharge Not available.

Protective equipment and precautions for firefighters
Wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Personal Precautions Ventilate area of leak or spill. Remove all sources of ignition. Wear appropriate personal protective equipment as specified in Section 8, and follow handling guidance appropriate for the compound (see Section 7). Isolate hazard area. Keep unnecessary and unprotected personnel from entering.

ENVIRONMENTAL PRECAUTIONS

Environmental Precautions See Section 12 for additional ecological information. Prevent entry into waterways, sewers, surface drainage systems or wildlife water supply.

METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

Methods for Containment Absorb with DRY earth, DRY sand or other non-combustible material followed with plastic sheet to minimize spreading or contact with rain.

Methods for Cleaning Up Collect spill with absorbent material. Clean spill area thoroughly.

7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

Advice on Safe Handling Handle in accordance with good industrial hygiene and safety practice. Avoid generation of dust/mists. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Provide appropriate exhaust ventilation at places where vapor is formed. Do not eat, drink, or smoke when using this product. Use personal protection recommended in Section 8.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Storage Conditions Keep container tightly closed in a dry, cool and well-ventilated place.

Incompatible materials Not available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS

Exposure Guidelines This product, as supplied,contains the following hazardous material(s) with occupational exposure limits established by the region-specific regulatory bodies.

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Adipic Acid 124-04-9	TWA: 5 mg/m3	-	-

APPROPRIATE ENGINEERING CONTROLS

Engineering Controls The health hazard risks of handling this material are dependent on factors, such as physical form and quantity. Site-specific risk assessments should be conducted to determine the appropriate exposure control measures. Good general ventilation should be used.
Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels as low as reasonably achievable.

INDIVIDUAL PROTECTION MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT

Eye/Face Protection	In laboratory, medical or industrial settings, safety glasses with side shields are highly recommended. The use of goggles or full-face protection may be required depending on the industrial exposure setting. Contact a health and safety professional for specific information.
Skin and Body Protection	In laboratory, medical or industrial settings, gloves and lab coats are recommended. The use of additional personal protective equipment such as shoe coverings, gauntlets, hoods or head coverings may be necessary. Contact a health and safety professional for specific information.
Respiratory Protection	Not required for normal handling of packed product. Respirators/PAPR may be required for certain laboratory and manufacturing tasks if engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (where the exposure limits have not been established). Workplace risk assessments should be completed before specifying and implementing respirator usage. All respirators must conform to specifications for efficiency and performance indicated by OSHA Standard 29 CFR 1910.134.
General Hygiene Considerations	Always observe good personal hygiene measures,such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment.

9. PHYSICAL AND CHEMICAL PROPERTIES

INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid
Appearance: Colorless liquid
Color: Colorless
Odor: Slight chlorine
Odor Threshold: Not available

PROPERTY	VALUES	REMARKS
pH	5-7	
Melting Point/Freezing Point	Not available.	
Boiling Point/Boiling Range	Not available.	
Flash Point	Not available.	
Evaporation Rate	Not available.	
Flammability (solid, gas)	Not available.	
Flammability Limit in Air		
Upper Flammability Limit:	Not available.	
Lower Flammability Limit:	Not available.	
Vapor Pressure	Not available.	
Vapor Density	Not available.	
Specific Gravity	Not available.	
Water Solubility	Completely soluble	
Solubility in Other Solvents	Not available.	
Partition Coefficient	0	
Autoignition Temperature	Not available.	
Hyphen	225-250°C	
Kinematic Viscosity	Not available.	
Dynamic Viscosity	Not available.	
Explosive Properties	Not available.	
Oxidizing Properties	Not available.	
OTHER INFORMATION		
Softening Point	Not available.	
Molecular Weight	Not available.	
VOC Content (%)	Not available.	
Density	1.0	
Bulk Density	Not available.	

10. STABILITY AND REACTIVITY

REACTIVITY

Not reactive under normal conditions.

CHEMICAL STABILITY

Stable under recommended handling and storage conditions.

POSSIBILITY OF HAZARDOUS REACTIONS

None under normal use conditions.

Hazardous Polymerization Hazardous polymerization does not occur.

CONDITIONS TO AVOID

None under recommended storage and handling conditions (see section 7).

INCOMPATIBLE MATERIALS

Not available.

HAZARDOUS DECOMPOSITION PRODUCTS

None under normal use conditions.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50	Intravenous LD50
Sodium-dichloro-s-triazinetrione 2893-78-9	= 1823 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	0.27 - 1.17 mg/L (Rat) 4 h	-
Adipic Acid 124-04-9	> 11000 mg/kg (Rat)	> 7940 mg/kg (Rabbit)	> 7700 mg/m3 (Rat) 4 h	-
Sodium Bicorbonate, USP 144-55-8	= 4220 mg/kg (Rat)	-	-	-
Sodium carbonate 497-19-8	= 4090 mg/kg (Rat)	-	-	-
Water 7732-18-5	> 90 mL/kg (Rat)	-	-	-

SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS

Symptoms Not available.

DELAYED AND IMMEDIATE EFFECTS AS WELL AS CHRONIC EFFECTS FROM SHORT- AND LONG-TERM EXPOSURE

Skin Corrosion/Irritation Not a skin irritant.
Serious Eye Damage/Eye Irritation Not irritating to eyes.
Sensitization Not a potential sensitizer.
Germ Cell Mutagenicity This product does not contain any ingredient that is tested positive for genotoxicity by Ames tests in 5 salmonella strains and 1 E. coli strain with or without rat microsomal activation.

Carcinogenicity	This product is not listed by ACGIH, IARC, NTP or US OSHA.
Reproductive Toxicity	This product does not contain any known or suspected reproductive hazards.
Teratogenicity	This product does not contain any known or suspected developmental hazards.
STOT - Single Exposure	Not classified.
STOT - Repeated Exposure	Not classified.
Aspiration Hazard	Not available.

12. ECOLOGICAL INFORMATION

ECOTOXICITY

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Sodium-dichloro-s-triazinetri one 2893-78-9	-	0.25 - 1: 96 h Lepomis macrochirus mg/L LC50 static 0.207 - 0.389: 96 h Lepomis macrochirus mg/L LC50 flow-through 0.176 - 0.267: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 0.29: 96 h Oncorhynchus mykiss mg/L LC50 0.13 - 0.36: 96 h Oncorhynchus mykiss mg/L LC50 static	-	0.00018 - 0.00021: 48 h Daphnia magna mg/L EC50 0.093 - 0.16: 48 h Daphnia magna mg/L EC50
Adipic Acid 124-04-9	31.3: 72 h Desmodesmus subspicatus mg/L EC50 26.6: 96 h Desmodesmus subspicatus mg/L EC50	97: 96 h Pimephales promelas mg/L LC50 static	-	85.7: 48 h Daphnia magna mg/L EC50
Sodium Bicorbonate, USP 144-55-8	-	8250 - 9000: 96 h Lepomis macrochirus mg/L LC50 static	-	2350: 48 h Daphnia magna mg/L EC50
Sodium carbonate 497-19-8	-	310 - 1220: 96 h Pimephales promelas mg/L LC50 static 300: 96 h Lepomis macrochirus mg/L LC50 static	-	265: 48 h Daphnia magna mg/L EC50

Persistence and degradability
The product is biodegradable.

Bioaccumulation
The product does not bioaccumulate.

Mobility
Not available.

Chemical name	Partition coefficient
Adipic Acid 124-04-9	0.081

Other adverse effects
Not available.

13. DISPOSAL CONSIDERATIONS

WASTE TREATMENT METHODS

Disposal of Wastes Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging Disposal should be in accordance with applicable regional, national and local laws and regulations.

California Hazardous Waste Codes Not applicable.

This product contains the following substance that are listed with the State of California as a hazardous waste.

Chemical name	California Hazardous Waste Status
Sodium carbonate 497-19-8	Corrosive

14. TRANSPORT INFORMATION

DOT Not Applicable.

IATA Not Applicable.

IMDG Not Applicable.

ADR Not Applicable.

15. REGULATORY INFORMATION

US FEDERAL REGULATIONS

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute health hazard	No
Chronic Health Hazard	No
Fire hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This product is not listed by CERCLA, but as supplied, contains the following substance(s) regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

Chemical name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Adipic Acid 124-04-9	5000 lb	-	RQ 5000 lb final RQ RQ 2270 kg final RQ

US STATE REGULATIONS

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

This product contains the following substances regulated by state right-to-know regulations.

Chemical name	New Jersey	Massachusetts	Pennsylvania
Sodium-dichloro-s-triazinetrione 2893-78-9	X		X
Adipic Acid 124-04-9	X		X

U.S. EPA LABEL INFORMATION

EPA Pesticide Registration Number Not applicable

16. OTHER INFORMATION

HEALTH	**0**
FLAMMABILITY	**0**
PHYSICAL HAZARD	**0**

0 = Minimal Hazard
1 = Slight Hazard
2 = Moderate Hazard
3 = Serious Hazard
4 = Severe Hazard

Issue Date 30-Jan-2019
Revision Date 14-Jan-2021
Revision Note (M)SDS sections updated

DISCLAIMER

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in thetext.

End of Safety Data Sheet