The ProKure1 System

EPA Training Part 1: Understanding Pesticide Registration and Regulation

It's not what you know. It's what you can prove.

What is a pesticide?

Pesticides are categorized according to their active ingredient. The active ingredient in ProKure products is sodium chlorite, which combines with citric acid and water to create a solution of chlorine dioxide (ClO_2). Both sodium chlorite and chlorine dioxide are registered as *antimicrobial pesticides*:

> Substances or mixtures of substances used to destroy or suppress the growth of harmful microorganisms whether bacteria, viruses, or fungi on inanimate objects and surfaces.

ProKure V EPA Registration Information:

EPA Reg. # 87508-3-89334

EPA Est. #62788-AL-001

United Stated Environmental Protection Agency

- Evaluates pesticide claims
  - Initial registration
  - New uses
  - Establish residue tolerance for consumable agricultural products
- Registers all pesticides
  - Annual renewal fee
- All pesticides distributed or sold in the U.S. must be registered by the EPA.

State Depts. Of Agriculture or Environmental Services

- Execute primary enforcement responsibility for pesticide use/misuse violations
- Test for pesticides on crops/plants intended for human consumption
- Destroy any plant that tests positive for a non-EPA-approved pesticide
- Registers pesticides distributed in the state and collects registration fees.

Use of a Pesticide on Plants or Crops

Under the Food Quality Protection Act (FQPA), EPA must ensure that all pesticides used on food in the United States meet FQPA's stringent safety standards, including determining that a pesticide’s use on food is safe for children.

EPA continues to reevaluate each pesticide’s safety every 15 years. EPA’s continuous reevaluation of registered pesticides, combined with strict FQPA standards, major improvements in science, and an increase in the use of safer, less toxic pesticides, has led to an overall trend of reduced risk from pesticides.

The unusual case of cannabis

- The federal government classifies cannabis as a schedule 1 narcotic.
- The EPA cannot approve pesticide use on a controlled substance.
- It is illegal to use a pesticide in any way that is inconsistent with the EPA labeling.
- Since no EPA label includes cannabis, it is illegal to use *any* pesticide on cannabis.
- Several states that allow medical or recreational cannabis use have compiled temporary lists of pesticides approved for use on cannabis.
- State approval typically requires that the pesticide has already been tested by the EPA for use on food crops

The ProKure1 System

EPA Training Part 2: The ProKure V EPA Label

Approved uses, claims, instructions, and precautions

All information within compiled from

EPA Registration #87508-3-89334

EPA Est. #62788-AL-001

When used as directed, ProKure V is proven effective as a:

- Disinfectant
- Sanitizer
- Tuberculocide
- Virucide*
- Fungicide
- Algaecide
- Slimicide
- Deodorizer

ProKure V is an EPA-registered hospital-grade liquid disinfectant for hard, non-porous surfaces that is effective in the prevention, control and removal of mold, mildew, fungus, odor and other issues that negatively affect the safety and viability of industrially grown crops.

When combined with water, the ProKure V pouch generates a liquid solution of chlorine dioxide (ClO_2).

Chlorine Dioxide – benefits and properties

Activating the ProKure V pouch in water creates a solution of chlorine dioxide gas suspended in water. ClO_2 is an ideal choice for agriculture because it:

- Kills by oxidizing the cell wall – is not a poison
- Leaves no harmful residue – only traces of table salt and water vapor

ProKure V Liquid Disinfectant:

- May gas off. Store it in a tightly sealed container.
- Appears yellow like Mountain Dew or lemonade.
- Breaks down in light. Store it in a dark container away from sources of light.

ProKure V is versatile and has many uses

ProKure V Concentration & Use Chart

Uses:	Category:	Concentration (PPM):
Soaking Tools (Cutters, Scissors), Mopping Floors	Heavy Odor & Resin Removal	500
Hard Surface Disinfection, Medium Deodorization, Disinfection for Water System	Hard Surface Disinfection & Odor Control	100
Final Rinse For Plastic, Glass Or Metal Containers	Sanitizer	30
No-Rinse Surface Sanitizer for hard, non-porous, non-food-contact surfaces	Sanitizer	20
No-Rinse Hard Food-Contact-Surface Sanitizer And Fruit/Vegetable Wash, Extend Life Of Cut Flowers	Sanitizer	5

ProKure V Available Sizes and ProKure1 Dispensers *Makes a 100 PPM solution of ClO_2*				
Water Volume	32 Ounces	1 Gallon	5 Gallons	25 Gallons
ProKure V Packet	0.042 oz	0.17 oz	0.84 oz	4.2 oz
ProKure1 Dispenser	32 oz Spray Bottle	1 Gallon Bottle	5 Gallon Stacker Dispenser	20 Gallon Closed-Head Drum

Claims

Any claim for an EPA-registered product, verbal or written, must be assessed and approved by the EPA. The following are claims that ProKure V may make, based on the EPA label. These claims may be included in official collateral designed by ProKure Solutions for purposes of instruction, sales, and marketing. All marketing or sales collateral developed by third parties must be approved in writing by ProKure Solutions prior to distribution.

- Kills Germs
- Kills mold and mildew
- Kills bacteria, viruses*, mold and fungi
- Spray directly onto surface to be treated
- Easy to use, apply to surface and allow to air dry
- Ideal for commercial kitchens, bathrooms, laundry rooms, and locker rooms
- Kills odor causing bacteria, mold, mildew, and algae caused by flooding, water leaks, storm damage, or excess dampness
- Contains no phosphates
- Dye and Fragrance Free
- Hard Surface Disinfectant
- ClO_2 Generating System
- Hospital Grade
- Formulated for Hospital Use
- Hospital type Disinfectant
- No Rinse Formula
- No Rinse Required
- Leaves No Residue
- No Harmful Residue
- Just Add Water
- Made in USA
- Patent: 6,764,661 B1

Instructions

- To activate the system, tear open the foil package and remove the white inner pouch. DO NOT OPEN THE INNER WHITE POUCH. Add the pouch to a ProKure bottle with the correct amount of water (see table) and allow pouch to activate in water for one (1) hour to reach maximum strength.
- Apply to hard, non-porous surfaces by spraying, pouring, wiping, or mopping. Heavily soiled surfaces should be pre-cleaned. Allow the surface to remain wet for 10 minutes for best results. Wipe stainless metals and mirrors to avoid smears. May be allowed to air dry.
- Store excess solution in an oxidation-proof, dark, closed or sealed container in a cool, dark location for up to 15 days. After 15 days, use ClO_2 test strips to verify concentration.

Approved uses and sites

Approved for use on hard, non-porous surfaces, such as:

- Stainless steel
- Glass
- Vinyl
- Polypropylene
- PVC
- Other hard, non-permeable surfaces.

Approved for locations such as:

- Medical laboratories
- Clinics
- Pharmaceutical facilities and laboratories
- Food processing and serving facilities
- Commercial Buildings
- Waiting Rooms
- Cafeteria (Kitchen)

STORAGE AND DISPOSAL

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

Pesticide Storage: STORE IN DARK, DRY, PROTECTED, WELL-VENTILATED AREA, AWAY FROM DIRECT SUNLIGHT AND WHERE TEMPERATURE WILL NOT EXCEED 122°F (50°C). KEEP AWAY FROM ALL FOOD FOR HUMAN OR ANIMAL CONSUMPTION. MAKE SURE PRODUCT CANNOT COME INTO CONTACT WITH WATER OR ACID OR ACID-BASED PRODUCTS.

Pesticide Disposal: DO NOT DISPOSE OF WITH FOOD OR WATER. IN THE EVENT OF A SPILL, TAKE STEPS TO AVOID RUNOFF TO COME INTO CONTACTWITH COMBUSTIBLE MATERIALS, ACIDIC SOLUTIONS, SKIN OR CLOTHING.

Container Handling: WASTE MATERIALS MUST BE TREATED AS TOXIC AND MUST BE DISPOSED OF IN ACCORD WITH FEDERAL, STATE AND LOCAL REGULATIONS. CONTACT EPA, STATE OR LOCAL ENVIRONMENTAL AGENCIES FOR CURRENT DISPOSAL INSTRUCTIONS. PRIOR TO DISPOSING OF POUCH, MAKE SURE IT IS COMPLETELY EMPTY BEFORE DISPOSING VIA INCINERATION OR IN SANITARY LANDFILL.

Precautionary Statements

The inner white ProKure V and D pouches contain sodium chlorite and citric acid, separated by a barrier. Immersing the pouches in water allows these substances to mix and create chlorine dioxide (ClO_2).

- Sodium chlorite powder is very caustic. It may cause skin burns and eye damage. NEVER OPEN THE INNER WHITE POUCH.
- Chlorine dioxide, at the concentrations recommended, will not burn skin. Gas from the solution will irritate lungs and eyes.

We recommend using personal protective equipment when handling any chemicals, including ProKure V. PPE includes non-vented safety goggles, respirator with acid/gas cartridge, and gloves.

First Aid

(for contact with Sodium Chlorite)

- 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 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.
- If Swallowed: Call 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: Remove victim to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for treatment advice. Get medical attention.
- Have the product container or label with you when calling poison control center, doctor or going for treatment. For emergency information concerning this product, call the National Pesticides Information Center (NPIC) at 1-800-858-7378 seven days a week, 6:30 am to 4:30 pm Pacific Time (NPIC).
- Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage.

ProKure D Gas Deodorizer

- ProKure D Gas Deodorizer pouches contain the same ingredients as the ProKure V pouches and emit chlorine dioxide gas when introduced to water.
- ProKure D, however, is NOT registered as a pesticide with the EPA. Sales associates, therefore, may NOT make claims that it kills molds, mildews, or other microbes.
- In marketing and sales, ProKure D will be referred to strictly as a “Deodorizer” and never as a Disinfectant or Sanitizer. It complements ProKure V Liquid Disinfectant and Deodorizer by reaching cracks and crevices the liquid and mechanical cleaning cannot reach.

Support Materials

Cultivation Protocol Manual

- View the Cultivation Protocol Manual for specific protocols to disinfect and deodorize agriculture facilities.
- Click Here to View the Cultivation Protocol Manual

ProKure V EPA Registration

- View the EPA Registration for ProKure V to learn more about registered uses, instructions, and precautions.
- Click Here to View ProKure V EPA Registration

Sales Materials

We have provided sales materials to all distributors and sales associates. The ProKure1 Essentials Guide is one document that describes:

- The ProKure1 system for disinfection and deodorization
- The efficacy of chlorine dioxide
- The accessories and PPE recommended to make any job successful
- Basic use information and
- Contact information for customer service.

Questions? *Contact the ProKure1 EPA-Team*

Marten Niner
(602) 739-7073
Marten.Niner@ProKure1.com

Sherry Lemmon
(330) 329-0193
Sherry.Lemmon@ProKure1.com

Customer Service
(866)206-1301
Info@ProKure1.com