



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

February 11, 2020

Jennifer Brandon  
OSP Microcheck, Inc.  
c/o Delta Analytical Corp.  
12510 Prosperity Drive, Suite 160  
Silver Spring, MD 20904

Subject: Label and CSF Amendment – Update CSF and precautionary statements on label  
Product Name: 2K7 Water Soluble Paks  
EPA Registration Number: 67420-2  
Application Date: 02/26/2019  
Decision Number: 549099

Dear Ms. Brandon:

The amended label and CSFs referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, are acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Please note that the record for this product currently contains the following CSFs:

- Basic CSF dated 01/22/2020
- Alternate CSF 1 dated 01/22/2020

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false

or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. If you have any questions, please contact Jake McFarley by phone at (703) 347-0123, or via email at [McFarley.Jake@epa.gov](mailto:McFarley.Jake@epa.gov).

Sincerely,

A handwritten signature in black ink that reads "Steven Snyderman". The signature is written in a cursive style with a horizontal line underneath the name.

Steven Snyderman, Acting Product Manager 33  
Regulatory Management Branch 1  
Antimicrobials Division (7510P)  
Office of Pesticide Programs

Enclosure: Master Label

02/11/2020

Under the Federal Insecticide, Fungicide  
and Rodenticide Act as amended, for the  
pesticide registered under  
EPA Reg. No. 67420-2

# 2K7 Water Soluble Paks

## [ABN: 2K7 Granular]

2K7 Water Soluble Paks is a concentrated free-flowing crystalline solid microbiocide for use in controlling bacteria and algae found in industrial applications, and as a preservative to inhibit bacterial spoilage during manufacture, distribution, use and storage of industrial, consumer, household and institutional products. Not for the control of algae in the State of California.

**ACTIVE INGREDIENT:**

2-bromo-2-nitropropane-1,3-diol ..... 99%

**OTHER INGREDIENTS:** ..... 1%

**TOTAL** ..... 100%

**KEEP OUT OF REACH OF CHILDREN**

## DANGER

FIRST AID	
<b>If swallowed</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>If inhaled</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor or treatment advice.</li> </ul>
<b>If on skin or clothing</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If in eyes</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-222-1222 for emergency medical treatment information.	
NOTE TO PHYSICIAN	
Probable mucosal damage may contraindicate the use of gastric lavage.	

[Note to Reviewer: In accordance with 40 CFR 156.68(d), the first aid statement, as prescribed, will appear on the front panel of the container label.]

EPA REG. NUMBER 67420-2

EPA EST. NUMBER

**OSP MICROCHECK INC**  
**#6, 820 -28 ST. N.E.**  
**Calgary, Alberta, T2A 6R3**

NET CONTENTS:

## **PRECAUTIONARY STATEMENTS**

### **HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**DANGER.** Corrosive. Causes irreversible eye damage and skin burns. May be fatal if swallowed or inhaled. Harmful if absorbed through the skin. Do not get in eyes, on skin or on clothing. Do not breathe dust. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Wear coveralls over long sleeved shirt and long pants, socks and chemical resistant footwear, goggles or face shield, and chemical resistant gloves such as rubber or made from any water-proof material. Remove and wash contaminated clothing before reuse. For handling activities: use dust/mist filtering respirator (MSHA/NIOSH APPROVED NUMBER PREFIX TC-21C) or a NIOSH approved respirator with any N, R, P, or HE pre filter. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals.

### **PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Applicators and other handlers must wear: Coveralls over long sleeved shirt and long pants, socks and chemical resistant footwear, goggles or face shield, and chemical resistant gloves such as rubber or made out of any water-proof material. Do not apply this product in a way that will contact workers or other persons. Discard clothing or other absorbent materials that may have been heavily contaminated with the product's concentrate. Remove lightly contaminated clothing and wash separately from other laundry using detergent and hot water before re-use.

### **USER SAFETY REQUIREMENTS**

Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Users should remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

### **ENVIRONMENTAL HAZARDS**

This pesticide is toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA. Do not contaminate water by cleaning of equipment or disposal of waste.

## **DIRECTIONS FOR USE**

**It is a violation of federal law to use this product in a manner inconsistent with its labelling.**

### **GENERAL USE DIRECTIONS**

To control the growth of slime-forming, spoilage, odor-causing and corrosion inducing bacteria and algae in industrial applications, 2K7 Water Soluble Paks can be dosed directly or by preparing a stock solution immediately prior to application, either by open pouring (not cooling water treatment) or by metered pump. For process application treatments 2K7 Water Soluble Paks may be slug dosed initially when the system is noticeably fouled and reduced to a maintenance dose once microbial control is evident. For some applications treatment may be by slug dose only or by maintenance dose only. More frequent and higher dosing should be used where contamination is heavy. The recommended dosing regimes (slug/maintenance dose) and the dose rates are as indicated in the individual use area instructions. [For use with cold water soluble bags (PVA film) 1 x 0.5 kilo (1.1023 lb) bag/1300 gallons is equivalent to 100 ppm.] or [ 2.2 lb (1 kg) [pak] per 2600 gallons or 1.1 lb (0.5 kg) [pak] per 1300 gallons is equivalent to 100 ppm.]

For preservation during the manufacture, distribution, storage and use of industrial, consumer, household and institutional products, 2K7 Water Soluble Paks are best added at any liquid phase as late as possible during

the manufacturing process. It may be added by pre-dissolving in any water to be incorporated into the formulation. Add after any heating stage, or when the product has cooled below 40°C. Ensure good mixing and even distribution throughout the product.

#### **INDUSTRIAL RECIRCULATING COOLING WATER**

For use in recirculating cooling towers (not once-through), evaporative condensers, open and closed loop cooling and stored (non-potable) water, industrial and/or commercial air washers, air conditioning and humidifying systems. 2K7 Water Soluble Paks will reduce the biofouling of pipework, heat exchanges and condenser tubes and will minimise microbial corrosion. Apply 2K7 Water Soluble Paks once weekly to once monthly to the sump or tank where turbulence will ensure quick dissolution. Do not apply by open pouring of liquid to cooling towers and evaporative condensers.

Shock dose 2K7 Water Soluble Paks at 50 to 100 ppm (0.42 to 0.84 lb/1000 gallons). Subsequent dosing can be reduced to 10 ppm. For smaller systems, use 1.4 oz. (40g) in 200 gallons [(or 0.14 oz. (4g) in 20 gallons)] to achieve 50 ppm.

#### **OIL PROCESS WATERS**

For use in oil and gas well injection and formation waters 2K7 Water Soluble Paks should be injected at any convenient point at 25-100 ppm (0.009 to 0.036lb/barrel) from once per week to once per month depending on the severity of contamination.

#### **OIL AND GAS FLUIDS**

For preservative use in both terrestrial and offshore drilling muds and packer fluids to control contamination and degradation of a wide range of gels and fluids including fracturing, enhanced oil recovery, injection, drilling, waterflood, workover and completion fluids. Add 2K7 Water Soluble Paks at 50-100 ppm (0.018 to 0.036 lb/barrel).

For well squeeze fluids add 2K7 Water Soluble Paks at 25-200 ppm.

#### **OIL AND GAS PIPELINE AND TANK MAINTENANCE**

For use in water bottoms in crude and refined hydrocarbon storage tanks, piping and transportation systems. Inject 2K7 Water Soluble Paks directly into the water bottom or pipeline, or add to the hydrocarbon phase.

Treat once daily for pipeline maintenance to once every one or two months for both storage and transportation systems. 2K7 Water Soluble Paks should be applied to achieve 25-200 ppm in the aqueous phase. Add higher concentrations to the hydrocarbon phase, which will result in longer term protection by gradual diffusion into the water phase. Dose will depend on the volume of crude or oil and the expected water fraction.

#### **PAPER MILL PROCESS WATER**

Apply at a convenient point early in the process system (machine chest, constant head box or backwater loop system). Dose 2K7 Water Soluble Paks once to three times daily at 1 to 25 ppm in the process water. This equates to 0.02 to 0.5 lb per ton of finished paper or paperboard.

#### **PAPER MILLS – BULK PAPER**

Add 2K7 Water Soluble Paks directly into the hydropulper, machine chest or stock chest. Apply once weekly to once daily at 50 to 200 ppm (0.1-0.4 lb per ton).

#### **WATER BASED PRINTING INKS AND FOUNTAIN SOLUTIONS**

During the use of fountain solutions, shock dose 2K7 Water Soluble Paks at 50-100 ppm (0.42 to 0.84 lb/1000 gallons) depending on the contamination. Apply once weekly in the fountain reservoir as a normal routine or more frequently if required.

For In-can preservation, dose 2K7 Water Soluble Paks at 100 to 500 ppm based on the final formulation volume (0.84 to 4.2 lb/1000 gallons).

#### **STARCH, PIGMENT AND MINERAL SLURRIES**

For preservation, apply 2K7 Water Soluble Paks to water based suspensions at 100 to 500 ppm based on the final formulation volume (0.84 to 4.2 lb/1000 gallons).

Not for use in pigments in the State of California.

### **CHEMICAL TOILET DEODORANTS**

Incorporate 2K7 Water Soluble Paks at levels of 1-28% in deodorant concentrates. To effectively control odor in a portable toilet, use 100-500 ppm (0.84 to 4.2 lb/1000 gallons).

### **PAINTS AND OTHER EMULSION SYSTEMS**

For the preservation of acrylic, styrene-acrylic, polyvinyl acetate and other latex emulsions, latex emulsion based paints, photographic emulsions, silicone and other antifoam emulsion systems.

Add 2K7 Water Soluble Paks at 100 to 500 ppm based on the final formulation volume (0.84 to 4.2 lb/1000 gallons).

### **METAL WORKING FLUIDS**

For use in soluble oils, semi-synthetic and synthetic fluids. Add directly to the sump (with agitation) and allow to circulate for about one hour before shutdown. 2K7 Water Soluble Paks may be incorporated in metalworking fluid concentrate by the manufacturer who should ensure that any incompatibility will not affect efficacy.

In diluted fluids add 100 to 1000 ppm of 2K7 Water Soluble Paks (1.0 lb of 2K7 Water Soluble Paks in 1000 lb will give a dose level of 1000 ppm).

### **ADHESIVES**

For preservation, add 0.1-0.5 lb of 2K7 Water Soluble Paks per 100 lb total formulation weight (1000 to 5000 ppm).

### **ABSORBENT CLAYS**

For preservation, impregnate absorbent clays by spraying or pouring solutions of 25-200 ppm of 2K7 Water Soluble Paks (0.04 - 0.32 oz. av. per 100 pounds of clay).

### **WATER BASED AGRICULTURAL PESTICIDE CONCENTRATES**

**Do not use for applications involving direct or indirect food or drinking water contact.**

For preservation, 2K7 Water Soluble Paks should be dosed at 100 to 500 ppm based on the final formulation volume (100 to 500g/cubic meter or 0.84 to 4.2 lbs/1000 gallons).

### **CONSUMER, HOUSEHOLD AND INSTITUTIONAL PRODUCTS; SURFACTANTS AND RAW MATERIALS**

**Do not use for applications involving direct or indirect food or drinking water contact.**

For preservation of products such as dishwashing liquids, surface cleaners, polishes; bulk ionic, nonionic, amphoteric and cationic surfactants and raw materials supplied for the manufacture of industrial and consumer products, 2K7 Water Soluble Paks should be dosed at 100 to 500 ppm based on the final formulation volume (100 to 500g/cubic meter or 0.84 to 4.2 lbs/1000 gallons).

### **CONDITIONS OF SALE AND WARRANTY**

The Directions for Use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or use of the product in a manner inconsistent with its labelling, all of which are beyond the control of the Seller. All such risks shall be assumed by the Buyer. The manufacturer warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to above.

THE MANUFACTURER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY. IN NO CASE SHALL THE MANUFACTURER BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

The manufacturer offers this product, and the Buyer and User accept it, subject to the foregoing Conditions of Sale and Warranty which may be varied only by agreement in writing signed by a duly authorised representative.

## STORAGE AND DISPOSAL

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

### PESTICIDE STORAGE

Keep away from heat.

### PESTICIDE DISPOSAL

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

### CONTAINER HANDLING

*[Use the following for 2K7 Water Soluble Paks]*

Nonrefillable container. Do not reuse or refill this container. Offer empty outer plastic bag for recycling, if available, or dispose of in the trash as long as Water Soluble Pak is unbroken. Triple rinse (or equivalent) then offer drum for recycling, if available, or reconditioning, if appropriate, or puncture and dispose of drum in a sanitary landfill.

*[Use the following for 2K7 Granular]*

Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying. Triple Rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container  $\frac{1}{4}$  full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available, or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill or by incineration.

[Batch number]

*[Small label for water insoluble bag:]*

### 2K7 Water Soluble Paks

#### ACTIVE INGREDIENT:

2-bromo-2-nitropropane-1,3-diol ..... 99%

OTHER INGREDIENTS: ..... 1%

TOTAL ..... 100%

KEEP OUT OF REACH OF CHILDREN

**DANGER**

EPA Reg. No. 67420-2 EPA Est. No. 67420-CN-01

SEE OUTER CONTAINER FOR ADDITIONAL  
PRECAUTIONS AND DIRECTIONS FOR USE

Net Contents:

OSP MICROCHECK INC  
#6, 820 -28 ST. N.E. Calgary, Alberta

Rev 02/10/2020