



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

May 11, 2016

Sherri Gray  
Authorized Representative of Vital Solutions, LLC  
Environmental Consulting Inc.  
15616 Plain Dealing Place  
Manassas, VA 20112

Subject: CSF and Label Amendment –Add Alternate CSF 1 and Revised Label  
Product Name: Vital Oxide Concentrate MUP  
EPA Registration Number: 82972-2  
Application Date: March 14, 2016  
Decision Number: 515833

Dear Ms. Gray:

The amended label and CSF 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 CSF:

- Basic CSF dated 09/17/2014
- Alternate CSF 1 dated 04/08/2016

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

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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 Srinivas Gowda by phone at 703-308-6354, or via email at [gowda.srinivas@epa.gov](mailto:gowda.srinivas@epa.gov).

Sincerely,

A handwritten signature in black ink, appearing to read 'D. Fuller', with a horizontal line extending to the right.

Demson Fuller, Product Manager 32  
Regulatory Management Branch II  
Antimicrobials Division (7510P)  
Office of Pesticide Programs

Enclosure: EPA Stamped Label

**ACCEPTED**

05/11/16

Under the Federal Insecticide, Fungicide  
and Rodenticide Act as amended, for the  
pesticide registered under  
EPA Reg. No. 82972-2

## Vital Oxide Concentrate MUP

### ACTIVE INGREDIENT:

Sodium chlorite*	1.89%
n-Alkyl 60% C <sub>14</sub> , 30% C <sub>16</sub> , 5% C <sub>12</sub> , 5% C <sub>18</sub> ) dimethyl benzyl ammonium chloride	0.625%
n-Alkyl 68% C <sub>12</sub> , 32% C <sub>14</sub> ) dimethyl ethyl benzyl ammonium chloride	0.625%
INERT INGREDIENTS	96.86%
TOTAL	100.0%

\*Available chlorine dioxide equals 1%

**KEEP OUT OF REACH OF CHILDREN**

## CAUTION

### FIRST AID

**IF SWALLOWED:** Call a Poison Control Center or doctor immediately for treatment advice. Have a person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a Poison Control Center or doctor. Do not give anything by mouth to an unconscious person.

**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 to rinse 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 INHALED:** Move person 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 further treatment advice.

For 24 hour emergency information on this product, call Chemtrec at -800-424-9300 (US, Canada, Puerto Rico, Virgin Islands) 703-527-3887 (All Other Areas)

Have the product container or label with you when you call a Poison Control Center or doctor when going for treatment.

**NOTE TO PHYSICIAN:** Probably mucosal damage may contraindicate the use of gastric lavage.

Vital Solutions  
P.O. Box 9932  
West Palm Beach, FL 33419

EPA REGISTRATION NO. 82972-2  
EPA ESTABLISHMENT NO. 88276-GA-001

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS  
CAUTION**

Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

**ENVIRONMENTAL HAZARDS**

This pesticide is toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or public 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 local sewage treatment plant.

**STRONG OXIDIZING AGENT. DO NOT mix with acids or other chemicals except water. Mixing with acid or other chemicals may cause evolution of chlorine dioxide gas, which is poisonous and explosive. Store in a cool dry place away from direct sun light. Dispose of spilled material by flushing with large quantities of water.**

**STORAGE AND DISPOSAL**

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

**PESTICIDE STORAGE:** Store in the original container in a dry, temperature controlled area. Do not store in a manner where cross-contamination with other pesticides, fertilizers, food or feed could occur. If spilled during storage or handling, contain/re-capture spillage and dispose of in accordance with the Pesticide Disposal Instructions listed below.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**CONTAINER DISPOSAL:** Do not reuse empty container. Triple rinse (or equivalent), then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**DIRECTIONS FOR USE**

**For Manufacturing Use Only**

**It is a violation of Federal law to use the product in a manner inconsistent with its labeling.**

**Formulators must register their products with the Environmental Protection Agency under their own registration and approved labels.**

For formulating into antimicrobial products for use in: food processing plants, food distribution equipment/premises, eating establishments premises and equipment, commercial and institutional premises and equipment, domestic dwellings, food handling areas, medical institutional critical care premises, agricultural (farm premises, structures, buildings and equipment, storage rooms, houses sheds)