



## OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

August 27, 2025

Jaqueline Stewart  
Agent for Sanitized (USA) Inc.  
Delta Analytical Corporation  
Electronic Transmittal: [jstewart@delta-ac.com](mailto:jstewart@delta-ac.com)

Subject: Label and CSF Amendment; Storage Stability & Corrosion Characteristics –  
Updating the Basic CSF; Adding an Alt #1 CSF; Adding Technical Information  
Sheet to Stamped Label; Review of Storage Stability & Corrosion Characteristics  
Product Name: Sanitized Brand TH 18-13  
EPA Registration Number: 91742-8  
Received Date: 6/23/22;12/22/22; 8/27/21  
Action Case Number: 00373528; 00421915; 00319356

Dear Jaqueline Stewart:

The amended label and CSFs referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), 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. Pursuant to 40 CFR 156.10(a)(6) 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 12/21/2022
- Alternate CSF 1 dated 12/21/2022

Additionally, the product chemistry studies, referred to below, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, are acceptable:

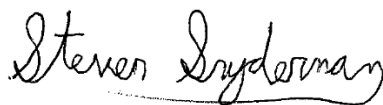
Guidelines met:

830.6317	Storage Stability	MRID # 51671501
830.6320	Corrosion Characteristics	MRID # 51671501

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 FIFRA and is subject to review by the Agency. See FIFRA section 2(p)(2) 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) lists 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, FIFRA section 12(a)(1)(B). 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 Assurance.

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 Linda Amar via email at [amar.linda@epa.gov](mailto:amar.linda@epa.gov).

Sincerely,



Steven Snyderman, Product Manager 33  
Regulatory Management Branch II  
Antimicrobials Division (7510M)  
Office of Pesticide Programs

Enclosure: Final Stamped Label

# SANITIZED®\* BRAND TH 18-13

## A FABRIC/ TEXTILE MICROBIOCIDES

SANITIZED® is the registered trademark/brandname of Sanitized (USA) Inc.  
for its BACTERIOSTATIC Chemicals.

**\*This product is not registered for use as a sanitizer.**

### ACTIVE INGREDIENTS

2-n-Octyl-4-isothiazolin-3-one.....3.51%

1,2-Benzisothiazolin-3-one.....1.59%

Alkyl dimethyl benzyl ammonium chloride .....5.00%

OTHER INGREDIENTS.....89.90%

TOTAL.....100.00%

## KEEP OUT OF REACH OF CHILDREN

# ANGER

# PELIGRO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.  
(If you do not understand the label, find someone to explain it to you in detail.)

*{Note to Reviewer: In accordance with 40 CFR 156.68(d), all first aid statements, as prescribed, will appear on the front panel of the product label.}*

### FIRST AID

Have the product container or label with you when calling a poison control center or doctor or going for treatment. [You may also contact (860) 868-9491 for Emergency medical treatment information.]

**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 five 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 a poison control or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a 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 ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment.

**Note to Physician:** Probable mucosal damage may contraindicate the use of gastric lavage.

**Emergency CONTACT (24-Hour-Number),** GBK/Infotrac ID 106460: USA domestic 1 800 535 5053 or international (001) 352 323 3500.

Manufactured by [for]:  
SANITIZED (USA) Inc.  
15720 Brixham Hill Ave, Suite 300  
Charlotte, NC, 28277  
Tel. (704) 926-6570

EPA Reg. No. 91742-8

EPA Est. No.

NET CONTENTS : \_\_\_\_\_

**ACCEPTED**

**08/27/2025**

Under the Federal Insecticide, Fungicide  
and Rodenticide Act as amended, for the  
pesticide registered under  
EPA Reg. No. 91742-8

**PRECAUTIONARY STATEMENTS**  
**HAZARD TO HUMANS AND DOMESTIC ANIMALS**

**DANGER.** Corrosive. Causes irreversible eye damage and skin burns. Harmful if swallowed, absorbed through skin, or inhaled. Do not get in eyes, on skin, or on clothing. Avoid breathing vapor or spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Wear the proper Personal Protective Equipment (PPE) as specified below. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

- Eye protection or goggles
- Coveralls worn over long-sleeved shirt and pants
- When mixing and loading wear a chemical-resistant apron.
- Chemical-resistant gloves
- Socks and chemical-resistant shoes

**ENVIRONMENTAL HAZARDS**

This pesticide is toxic to fish, aquatic invertebrates, oysters and shrimp. 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 into sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

**STORAGE AND DISPOSAL**

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

**STORAGE**

Open dumping is prohibited. Store in original containers and place in locked storage area. Keep from freezing.

**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**

Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying.

*{For containers greater than 5 gallons}*

Triple rinse as follows: Empty remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration.

*{For containers less than or equal to 5 gallons}*

Triple rinse as follows: Empty remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. 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 puncture and dispose of in a sanitary landfill, or by incineration.

## **DIRECTIONS FOR USE**

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

For use by manufacturers only as an antimicrobial treatment, non public-health. For the control of mildew, odor causing bacteria and fungi that may affect the integrity of the treated textiles (non food-contact) used in the manufacture of mattress tickings, upholstery, curtains, wall-coverings, blankets, pillow cases, seats and seat coverings, insoles. Also as a microbiostat preservative for the following aqueous compositions: latices, non-food contact adhesives and synthetic wipes, casein/resin dispersions which are then used in the manufacture of carpet underlays, carpet backing and upholstery undersides.

## **DILUTION RATE AND APPLICATION**

Use 0.3 to 1% of the Sanitized® Brand TH 18-13 product per 1000 gallons.

### **Mattress Ticking:**

Use a concentration of 0.3 to 1% of the Sanitized® Brand TH 18-13 product, relative to the dry weight of the fabric/textile/material being treated.

### **Latices: (polymers, synthetic, rubber)**

Use a concentration of 0.3 to 1% of the Sanitized® Brand TH 18-13 product, relative to the total weight of the material being treated.

### **Adhesives:**

Use a concentration of 0.3 to 1% of the Sanitized® Brand TH 18-13 product, relative to the total weight of the material being treated.

### **Casein/Resin:**

Use a concentration of 0.3 to 1% of the Sanitized® Brand TH 18-13 product, relative to the total weight of the material being treated.

Use only to treat carpet-backing. Not for use in carpet fibers.

Treated plastics cannot be used to manufacturer children's toys

[Refer to the technical bulletin for additional information.]



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since 1935

# TECHNICAL INFORMATION

## Sanitized® Brand TH 18-13

### Protection for home textiles against microbes non-public health

<b>Fields of Application</b>	Home textiles.  Application is possible on all common types of fibers and fabrics except pure polypropylene. Not for use in carpet fibers.	Examples: <b>Home textiles:</b> Mattress ticking, textile wall coverings, carpet underlays and backing, upholstery undersides
<b>Mode of Action and Advantages</b>	<p>Sanitized® Brand TH 18-13 provides a reliable fungi and bacteriostatic effect against many gram-positive and gram-negative bacteria, yeast, and fungi, non-public health</p> <p>Sanitized® Brand TH 18-13 inhibits the nutrient uptake of unwanted germs and thus interrupts their ability to function, grow and reproduce.</p> <p>Important notice for the US market:</p> <p>No finished product incorporating Sanitized® Brand TH 18-13 may make any public health claims relating to antimicrobial activity without first obtaining an EPA registration for the finished product which permits such claims. When incorporating into treated articles, this product does not protect users of any such treated article or others against food borne or disease-causing bacteria, viruses, germs or other disease-causing organisms.</p>	<p>Advantages:</p> <ul style="list-style-type: none"><li>_ Protects against microbial caused discoloration and felting</li><li>_ Material protection: the development of mold stains is thoroughly stopped.</li><li>_ Durability: microbial damage of the fibers is prevented, and their functional properties preserved; the lifespan of consumer articles is considerably extended.</li><li>_ Comfort: treated textiles are protected from developing microbial caused malodor and thus offer greater comfort.</li><li>_ Suitable for all substrates and good compatibility with selected textile chemicals (fluorocarbons, binders, softeners, etc.)</li><li>_ US-EPA Reg. No. 91742-8</li></ul>

#### SANITIZED AG

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### Characteristics

Composition	Formulation with isothiazolinones
Commercial form	Available in 1,000 kg containers
pH value (20 ° C)	4.0-5.0
Flashpoint	97 °C
Appearance	Colorless to slight reddish liquid
Ionic character	Cationic
Density at 20 ° C	1.03 g/cm <sup>3</sup>
Solubility	Could be dissolved with water
Temperature stability	In particular on hydrophobic synthetic fibers and synthetic fiber-rich blends a drying temperature of $\leq 110$ °C is preferred with a residual moisture content of $\geq 5\%$ for cotton. A process temperature up to 140 °C is applicable but also preferably with drying to residual moisture of circa 5%. Air circulation rates should be set low to avoid fast evaporation effects.
Skin tolerance	The commercial liquid form irritates eyes and skin (wear gloves and eye protection). Note that the product causes irreversible eye damage and skin burns. PPE also requires coveralls, long sleeved shirt and pants, chemical resistant apron, socks, chemical-resistant shoes
Compatibility*	Could be applied in combination with other textile chemicals such as foaming agents, resins, binder systems, fluorocarbons, anti-soil products, softeners, antistatic products, and flame-retardants. The compatibility should be tested in small scale pre-trials due to the cationic character especially when mixed with anionic chemicals.
Fastness*	Fast to shampooing, spray extraction, dry cleaning as well as to light and rubbing. No effect on handle and electrostatic charge. Fastness of recipes with various textile chemicals should be tested in pre-trials.

\*These statements concerning the compatibility and fastness of the finish are indications of the common uses known to us for the use of our product and reflect the current state of our knowledge. Specific performance parameters for finished material must, in each case, be evaluated by the user before commercial application.

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## Application

Recommended concentration 0.3 – 1.0% Sanitized® Brand TH 18-13 relative to the dry weight of the textile to be finished.

Dosage %	Requirements
0.3 – 1.0	Standard performance

**Padding** Undiluted Sanitized® Brand TH 18-13 should be added to the bath as last component while stirring until homogenously dispersed. Best results are achieved at pH 4-5 which should preferably be adjusted by addition of 0.1-0.5 g/l citric acid or acetic acid to the padding liquor. The absorption of the product could be improved by adding a wetting agent.

**Drying/Fixing** In particular on hydrophobic synthetic fibers and synthetic fiber rich blends a temperature  $\leq 110^{\circ}\text{C}$  is preferred with a residual moisture content of  $\geq 5\%$  for cotton. A process temperature up to  $140^{\circ}\text{C}$  is applicable but also preferably with drying to residual moisture of circa 5%. Air circulation rates should be set low to avoid fast evaporation effects. It might be necessary to adjust the concentration used when over dried or when rapid evaporation occurs. For combinations with binders or fluorocarbons which require a higher temperature for fixing/cross-linkage to reach wash fastness it is recommended to evaluate the necessary minimum use concentration (e.g., 1.0% Sanitized® Brand TH 18-13).

**Foam application** Sanitized® Brand TH 18-13 is mixed into the foam bath according to the instructions for the foaming agent.

**Further treatment** The goods are dried without any further rinses. The drying temperature should be kept as low as possible. Condensation is not necessary.

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<b>Microbiological Tests</b>	In order to check the antimicrobial and acarostatic efficacy of the treated textiles the following test methods are recommended:	
	<b>Test method</b> Agar diffusion method	<b>Germes</b> Bacteria, fungi
	Further information on these test methods is available at the local SANITIZED representative.	
<b>Sanitized® Quality Seal</b>	With a simple license agreement we transfer the rights to use the Sanitized® Ingredient Brand to you. Only substrates corresponding with the SANITIZED standard are allowed to carry the Sanitized® Quality Seal.	
Trademark	Please ask for the complete SANITIZED documentation.	
<b>Storage/Handling</b>		
Storage Handling	12 months from delivery in original sealed containers.	
Temperature stability	Sensitive to heat and frost. Do not expose to direct sunlight.	
	Further safety and ecological details are given in the Safety Data Sheet (SDS).	

Sanitized® is a trademark which is registered in numerous countries. All statements in communications regarding the technical application of our products refer to the possibilities for their use, as known to us, and reflect the current state of our knowledge. Due to the numerous possible application variations in the industrial practice and the necessarily limited number of application examples that have been prepared, this information is given without obligation or liability of any kind on our part.

Safety data and instructions can be obtained either from the technical information about our products or are available on request. Before every application of this product it must first be ensured whether its intended use conforms to legal requirements, whether an official notification or registration is required, that there are not undesired effects in the application of the products or use of the treated material and whether any special precautions have to be taken for the protection of the plant personnel or the environment.

Claims must be in compliance with the statutes and regulations of the country in which an item treated with a Sanitized® product is placed into circulation; the possible non-binding wording for such claims is found on our homepage. The party using a claim must ensure the permissibility of the claim in each specific individual case. SANITIZED AG is not liable for claims, which are made with reference to treated items.

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