



## OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

June 24, 2025

Christina Griffin  
Regulatory Agent,  
Olein Recovery Corp.  
Electronic Transmittal: cgriffin@delta-ac.com

Subject: Notification per PRN 98-10 – To Correct Typographical Errors in Ingredient Statement  
Product Name: Sacato Multi-Surface Cleaner & Sanitizer  
EPA Registration Number: 93190-1  
Received Date: 08/21/2024  
Action Case Number: 00626511

Dear Ms. Griffin:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Antimicrobials Division (AD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

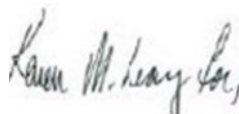
The label submitted with the application has been stamped "Notification" and will be placed in our records.

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) 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. 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.

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EPA Reg. No. 93190-1  
Action Case Number 00626511

If you have any questions, please contact Karen Leavy at (202)-566-0668 or by email at [Leavy.Karen@epa.gov](mailto:Leavy.Karen@epa.gov).

Sincerely,

A handwritten signature in dark ink, appearing to read "Karen M. Leavy". The signature is written in a cursive style with a large, stylized "K" and "L".

Luisa C. Samalot-Freire, Product Manager (31)  
Regulatory Management Branch I  
Antimicrobials Division (7510M)  
Office of Pesticide Programs  
U.S. Environmental Protection Agency

# Sacato Multi-Surface Cleaner & Sanitizer

## Active Ingredients:

Alkyl (50% C14, 40% C12, 10% C16) dimethyl benzyl ammonium chloride .....	0.200%
Octyl decyl dimethyl ammonium chloride .....	0.150%
Dioctyl dimethyl ammonium chloride .....	0.075%
Didecyl dimethyl ammonium chloride .....	0.075%
<b>Other Ingredients:</b> .....	<b>99.500%</b>
<b>Total:</b> .....	<b>100.000%</b>

## NOTIFICATION

93190-1

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

06/24/2025

## KEEP OUT OF REACH OF CHILDREN CAUTION

[See back [side] panel for [additional] precautionary statements [and first aid].]

{Note to reviewer: First Aid can appear on any panel on marketplace label and be in any format (table, bullets, list).}

## 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 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.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For medical emergencies, call the poison control center at 1-800-222-1222.

EPA Reg. No. 93190-1

EPA Est. No. 93190-PR-1, 93190-PR-2

[If more than one establishment is printed on the label, the following will be used: See bottle for actual establishment number.]

{Alternate Format for Est. No.}

EPA Est. No. 93190-PR-1<sup>(A)</sup>, 93190-PR-2<sup>(B)</sup>

[Letter designation printed on bottle identifies actual establishment.]

Manufactured by [or for]:  
Olein Recovery Corp.  
500 Carr. Ernesto Carrasquillo  
Yabucoa, Puerto Rico 00767

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

### **PRECAUTIONARY STATEMENTS**

**CAUTION:** Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. 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.

*{Note to Reviewer: Storage and Disposal will come immediately after Directions for Use on marketplace labels.}*

*{For residential use}*

### **STORAGE AND DISPOSAL**

Store in a cool, dry area inaccessible to children. CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available or place in trash collection.

{Organisms:}

*{Note to Reviewer: ATCC numbers are required on the master label, but are not required to be listed on the marketplace label. Organisms may be listed in any order or format, contact time not required in list. Not all organisms are required to be listed on the marketplace label.}*

**BACTERICIDAL [10-minute contact time]**

*Escherichia coli* O157:H7 [(E. Coli)] [ATCC 43895]  
*Pseudomonas aeruginosa* [(Pseudomonas)] [ATCC 15442]  
*Salmonella enterica* [(Salmonella)] [ATCC 10708]  
*Staphylococcus aureus* [(Staph)] [ATCC 6538]

**VIRUCIDAL [10-minute contact time]**

Human Coronavirus [(common cold virus)] [ATCC VR-740]  
Influenza A (H1N1) Virus [(common flu virus)] [ATCC VR-1469]

**FUNGICIDAL [10-minute contact time]**

*Trichophyton interdigitale* [(Athlete's Foot Fungus)] [ATCC 9533]

**NON-FOOD CONTACT SANITIZER [5-minute contact time]**

*Staphylococcus aureus* [ATCC 5358]  
*Klebsiella pneumoniae* [ATCC 4352]

{Optional Antimicrobial Marketing Claims:}

*{Note: In accordance with EPA 2005 "Germs" policy, asterisk next to "germs" is optional because all three major classes of organisms are approved.}*

Bactericide  
Disinfectant [for Household Use]  
Disinfectant and Sanitizer  
Disinfects\*  
Disinfects, Sanitizes, and Cleans#  
Disinfectant, Sanitizer, and Cleaner#  
Fungicidal†  
Kills [99.9% of] [common household] germs\* [in 10 minutes]  
Kills 99.9% of Germs\*  
Kills [99.9% of] [*any approved organism(s)*]  
Kills 99.9% of Bacteria & Viruses†  
Kills Cold and Flu Virus†  
Kills Flu Virus  
Kills Human Coronavirus  
*Product Name* is a multi-surface cleaner that cleans and kills odor-causing bacteria  
Sanitizes\*\* [and Disinfects\*]  
Sanitizer [for Household Use]  
Virucidal†

*{Corresponding Footnotes:} {Other symbols may be substituted on marketplace labels.}*

\* *E. Coli, Pseudomonas aeruginosa, Salmonella enterica, Staphylococcus aureus*, Human Coronavirus (common cold virus), Influenza A (H1N1) Virus (common flu virus), *Trichophyton interdigitale* (Athlete's Foot Fungus) \*\* *Staphylococcus aureus, Klebsiella pneumoniae*

† Human Coronavirus (common cold virus), Influenza A (H1N1) Virus (common flu virus)

‡ *Trichophyton interdigitale* (Athlete's Foot Fungus)

# when used according to disinfection directions

*{Optional General Marketing Claims:}*

Deodorizer [for Household Use]  
Kills odor causing bacteria [in the [kitchen] [and/or] [bathroom]]  
Cleans kitchen [and/or] bathroom  
Cleans [and Deodorizes]  
Cleans and deodorizes kitchen  
Cuts through tough grease  
Made in [the] USA  
Ready-to-Use [No dilution [required]]  
Removes soap scum

*{Optional Fragrance Claims:}*

*{Each Fragrance entry also represents a graphic depicting the corresponding scent, see examples below}*

Apple [Scent]  
Cotton [Blossom] [Scent]  
Cucumber [Scent]  
Eucalyptus & {or} [and] Mint [Scent]  
Eucalyptus [Scent]  
Fresh [Scent]  
Grapefruit [Scent]  
Honeydew & {or} [and] Cucumber [Scent]  
Honeydew [Scent]  
Melon [Scent]  
Lemon [Scent]  
Mint [Scent]  
[White] Lavender [Scent]



## DIRECTIONS FOR USE

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

*{Alternate sets of wording for directions below, to be selected as appropriate for marketplace label, may be in any order.}*

**To Disinfect Hard, Nonporous Surfaces:** Prewash surface *{or}* [follow cleaning directions]. Apply this product with a sponge, mop, or clean cloth [or trigger spray] until visibly wet. Allow surface to remain visibly wet for 10 minutes then rinse or wipe clean. All surfaces that come in contact with food must be rinsed with potable water. Do not use on glasses, dishes, or utensils.

*{Alternate Instructions for Trigger Spray}*

**Spray Application:** Prewash surface. Turn nozzle to “on.”

**To Sanitize Hard, Nonporous Surfaces:** Spray 6–8 inches from surface until visibly wet. Allow surface to remain visibly wet for 5 minutes then rinse or wipe clean.

**To Disinfect Hard, Nonporous Surfaces:** Spray 6–8 inches from surface until visibly wet. Allow surface to remain visibly wet for 10 minutes then rinse or wipe clean.

All surfaces that come in contact with food must be rinsed with potable water. Do not use on glasses, dishes, or utensils

*{Alternate simplified directions for Trigger Spray Application; graphics below (or similar) can be used with spray disinfecting directions below:}*



1. Prewash surface.

2. Spray 6-8 inches from surface until visibly wet.

3. Allow surface to remain visibly wet for 10 minutes.

4. Rinse or wipe clean.

All surfaces that come in contact with food must be rinsed with potable water. Do not use on glasses, dishes, or utensils. *{Include these sentences only once on the label; these sentences need not be repeated if already in the directions for use.}*

**To Clean, [and] [Deodorize,] [Remove Soap Scum]:** Spray product onto soils and wipe clean [with a dry paper towel or lint-free cloth or sponge]. No scrubbing or rinsing necessary. *[optional language, use any of the following sentences:]* [For best results, use a dry paper towel or lint-free cloth. Repeat for heavily soiled areas. For stubborn stains or heavily soiled areas or tougher jobs, allow product to penetrate [dirt -and/or- soap scum] before wiping. For best results, use regularly to prevent dirt and soap scum build up.]

**To Clean Nonporous Surfaces [and/or] Floors:** Spray soiled area, then wipe clean.

*{Marketplace labels may use any combination of Use Surfaces, Sites, or Surface Materials as appropriate; example graphics representing the approved use sites/surfaces are found on the following pages.}*

**{Use Surfaces:}**

**For Use On:** Hard, nonporous surfaces

Appliance exteriors [surfaces]	Glazed ceramic tile
Bathroom <i>and/or</i> kitchen faucets <i>and/or</i> handles	Glazed porcelain tile
Bathtubs	[Gym /] Sports equipment
Cabinets	Kitchen appliance[s] exteriors
Chairs	Light switches
Counter[tops]	Plastic shower curtains
Desks	Shower[s] [walls]
Doors	Sinks
Doorknobs	Tables
Floors	Toilet seats
Garbage cans	Trash cans

**{Use Sites:}**

**For Use On:** Hard, nonporous surfaces found in

Airplanes	Households
Ambulances	Institutions
Basements	Kennels
Bathrooms	Kitchens
Bathroom <i>and/or</i> locker room facilities	Laundry rooms
Bedrooms	Living areas <i>or</i> rooms
Buses	Lounges
Day care centers	Malls
Dorms	Motels
Elevators	Offices
Emergency vehicles	Pet areas
Gyms	Play areas <i>or</i> rooms
Homes	Public facilities
Hotels	Public restrooms

**{Surface Materials:}**

**For Use On:** Hard, nonporous materials

Baked enamel	Glazed ceramic
Crystal (non-food contact)	Glazed porcelain
Fiberglass	[Hard] plastic or vinyl
Finished or painted hardwood	Metal
Glass	



*{Optional Graphics:}*



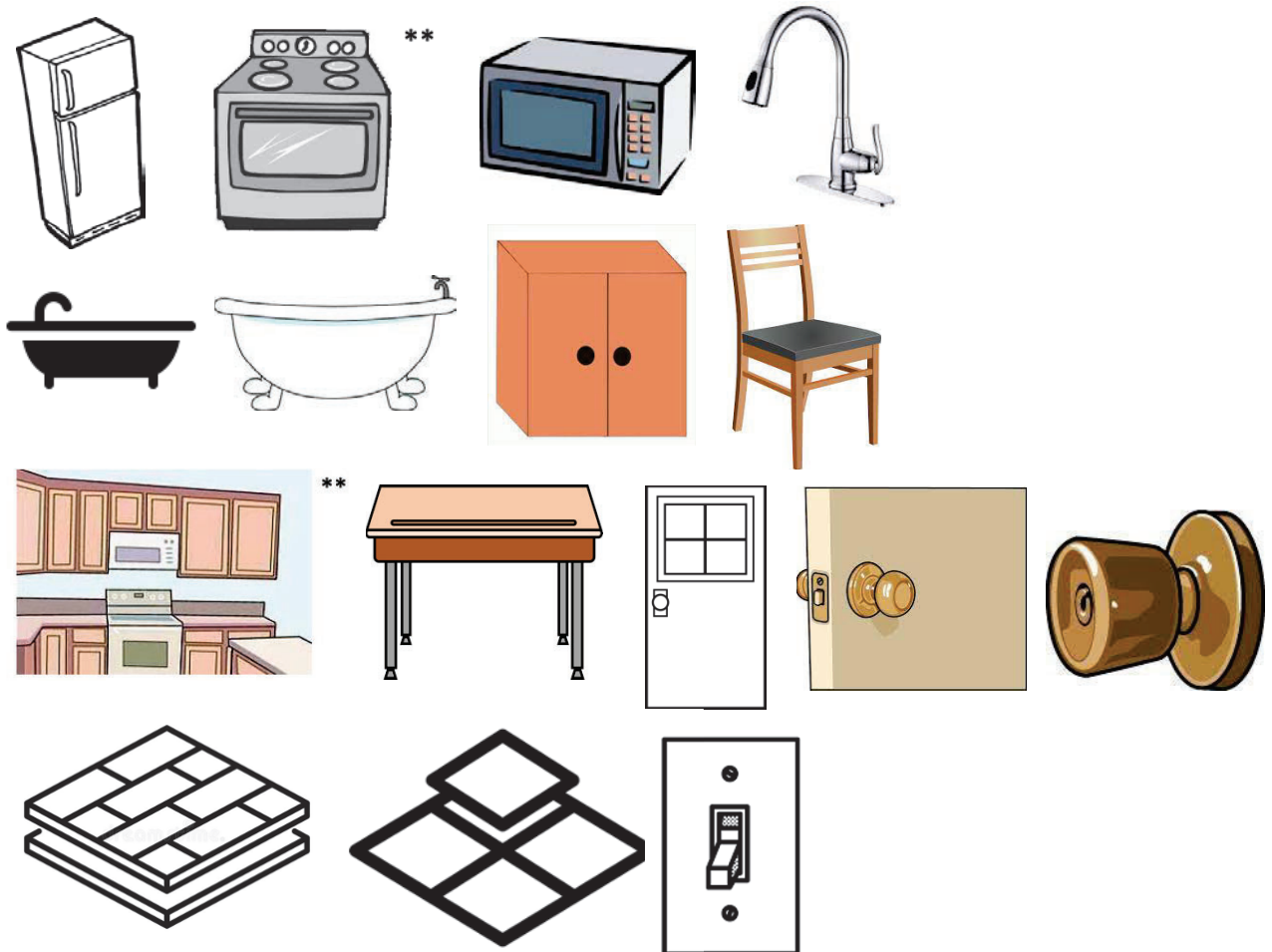
**PLEASE  
RECYCLE**



*{Representations of bullets for marketplace labels, other symbols may be used:}*



*{Use Site/Surface Graphics; the graphics below are representative examples of use sites/surfaces listed on the label. In accordance with correspondence with EPA, only 1 representative graphic needs to be on the master label, the marketplace label may have a different but similar graphic. No people, animal, or food will be depicted in use site/surface graphics.}*



\*\* room temperature, exterior surfaces only

*[Text in brackets is [optional] or {instructional}]*

*{Use Site/Surface Graphics Continued:}*



*{Note: Foreign language translation of label text, in addition to full English text, is permitted in part or in its entirety on the product so long as it is a true and accurate translation of the English text. This applies to all marketplace labels, whether for the basic registrant or supplemental distributor.}*

*{Alternate Brand Names: Sacato Bathroom Cleaner & Disinfectant, Sacato Kitchen Cleaner & Disinfectant, Sacato Multi-Surface Cleaner & Disinfectant Lavender Scent, Sacato Multi-Surface Cleaner & Disinfectant Lemon Scent, Sacato Multi-Surface Cleaner & Disinfectant Fresh Scent}*

NOTIFICATION

93190-1

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

06/24/2025

TOLCIDE® TP5

For use as an algicide, bactericide, fungicide, for the control of algae, slime forming bacteria, sulfate reducing bacteria, and fungi in air-washers and industrial air scrubbing systems, recirculating cooling water and process water systems including cooling towers, evaporative coolers, brewery pasteurizers, can warmers, and hydrostatic sterilizers and retorts, non-food contact paper and paperboard process water (e.g.: brown paper, corrugated sheet, Kraft paper, newsprint, etc.), and enhanced oil recovery systems, oil and gas production and transmission pipelines and systems, gas storage wells and systems, hydrotesting of pipelines and tanks, pipeline pigging and scraping operations, and oil and gas well drilling and maintenance fluids.

FOR INDUSTRIAL APPLICATIONS. This product must be loaded and transferred only using a metering-pump system. Open pouring is prohibited.

ACTIVE INGREDIENT: Tributyl Tetradecyl Phosphonium Chloride.....5.0%  
OTHER INGREDIENTS .....95.0%  
TOTAL: 100.0%

DANGER  
KEEP OUT OF REACH OF CHILDREN

FIRST AID	
If in Eyes	<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 the first 5 minutes, then continue rinsing eye.</li><li>Call a poison control center or doctor for treatment advice.</li></ul>
If on Skin	<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>
If Inhaled	<ul style="list-style-type: none"><li>Move person to fresh air.</li><li>If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably mouth-to- mouth, if possible.</li><li>Call a poison control center or doctor for treatment advice.</li></ul>
If Swallowed:	<ul style="list-style-type: none"><li>Call 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>
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. In case of emergency call CHEMTREC at 1-800-424-9300.	
Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage.	

Manufactured by:

Energy Solutions (US) LLC  
504 Carnegie Center  
Princeton, NJ 08540



SYENSQO

EPA REG. 102007-2  
EPA EST. [xxxxxxxxxx]

NET WEIGHT: [##] lbs ([##]kg)

{MASTER LABEL}  
{All text in brackets [xxx] is optional & may or may not be included on a printed label.} {9/30/2024}  
{All text in braces {xxx} is administrative & will not appear on a printed label.}

- Deleted: CYTEC INDUSTRIES INC.
- Deleted: 68387
- Deleted: 11
- Deleted: Five Garret Mountain Plaza
- Deleted: Woodland Park
- Deleted: 07424

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**DANGER. CORROSIVE.** Causes irreversible eye damage and skin burns. Harmful if swallowed or absorbed through skin. May be irritating to nose and throat. Do not get in eye, on skin, or on clothing. Wear coveralls worn over long-sleeved shirt and long pants, socks, chemical-resistant footwear, chemical resistant gloves, and protective eyewear (goggles or face mask). Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

**PHYSICAL OR CHEMICAL HAZARDS:** Do not mix with other chemicals. Mix only with water.

**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 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 local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

## DIRECTIONS FOR USE:

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

This product must be loaded and transferred only using a metering-pump system or a closed loading/application system. Open pouring is prohibited. Wear coveralls worn over long-sleeved shirt and long pants, socks, chemical-resistant footwear, chemical resistant gloves, and protective eyewear (goggles or face mask).

### RECIRCULATING COOLING AND PROCESS WATER SYSTEMS / AIR WASHERS AND INDUSTRIAL AIR SCRUBBING SYSTEMS:

When used as directed, this product effectively controls algal, bacterial, and fungal slimes in commercial and industrial cooling towers, evaporative condensers, heat exchange water systems, evaporative coolers, dairy sweetwater systems, industrial process water systems, brewery pasteurizers, can warmers, hydrostatic sterilizers and retorts, air washing systems equipped with a mist eliminator, and industrial air scrubbing systems. Add this product at a point of uniform mixing such as the basin area.

#### DOSAGE RATES:

Initial Dose: When the system is noticeably fouled, add 26 to 77 fluid ounces of product per 1000 gallons (200 to 600 milliliters/1000 liters) of water contained in the system. Repeat until control is achieved.

Subsequent Dose: When microbial control is evident, add 13 to 38 fluid ounces of product per 1000 gallons (100 to 300 milliliters/1000 liters) of water contained in the system. Repeat as needed to maintain control.

Heavily fouled systems must be cleaned before treatment is begun.

[DAIRY SWEETWATER SYSTEM APPLICATIONS ARE NOT REGISTERED FOR USE IN CALIFORNIA]

[BREWERY PASTEURIZERS, CAN WARMERS, HYDROSTATIC STABILIZERS OR RETORTS ARE NOT REGISTERED FOR USE IN CALIFORNIA]

[AIR-WASHER OR AIR SCRUBBER SYSTEM APPLICATIONS ARE NOT REGISTERED FOR USE IN CALIFORNIA]

**PULP, PAPER, AND PAPERBOARD MILLS:**

THIS PRODUCT IS ONLY FOR USE IN NON-FOOD APPLICATION, such as brown paper mills, sheet for corrugated board, Kraft paper, newsprint and similar paper / paperboard not intended for food contact uses. When used as directed this product effectively controls bacterial and fungal slimes in pulp, paper, and paperboard mill process water systems including white water systems. Treat water at critical areas in the system where mixing of the product will be uniform such as beaters, furnish chest, white-water tank, save-all, and broke chest. The frequency and duration of the treatment will depend upon the severity of the problem.

**DOSAGE RATES**

Initial Dose: When the system is noticeably fouled, add 5 to 30 pounds of this product per ton of pulp or paper (dry basis) as a slug dose. Repeat until control is achieved. Heavily fouled systems must be cleaned before initial treatment.

Subsequent Dose: When biological control is evident, add 3 to 20 pounds of product per ton of pulp or paper (dry basis) as a slug dose as necessary to maintain control.

**ENHANCED OIL RECOVERY SYSTEMS:**

**NOT FOR USE IN ESTUARINE OR MARINE OIL RECOVERY SYSTEMS.** When used as directed this product effectively controls slime-forming and sulfate-reducing bacteria in injection and produced water systems, water disposal systems, and other oilfield water systems. Treat water at critical points in the system such as water or oil storage tanks, surge tanks, oil-water separators, before or after injection pumps, and injection well headers.

**DOSAGE RATES**

When the system is noticeably fouled, or to maintain control in the system, add 42 to 420 gallons of this product per 1000 barrels of water as a slug dose for 1-8 hours per day, 1-4 times per week.

**OIL AND GAS PRODUCTION AND TRANSMISSION PIPELINES AND SYSTEMS:**

This product should be added at a point in the pipeline where uniform mixing will occur. The application should be conducted to ensure maximum distribution of product through the entire internal surface of the pipeline. Follow dosing instructions for enhanced oil recovery systems.

**GAS STORAGE WELLS AND SYSTEMS:**

Individual injection wells should be treated with a sufficient quantity of product to produce a concentration of 100-10,000 ppm of this product when diluted by the water present in the formation. Injections should be repeated as needed to maintain control.

Individual drips should be treated with sufficient quantity of this product to produce a concentration of 100-10,000 ppm of this product when diluted by the water present in the drips. Injections should be repeated as needed to maintain control.

**HYDROTESTING:**

Water used to hydrotest pipelines or vessels should contain 100-10,000 ppm of product, depending on water quality and length of time the equipment will remain idle.

**PIPELINE PIGGING AND SCRAPING OPERATIONS:**

Add this product to a slug of water immediately following the scraper (ideally this water volume can be kept to a minimum and contained between the scraper and a trailing pig). Sufficient product should be added to produce a

{MASTER LABEL}  
{All text in brackets [xxx] is optional & may or may not be included on a printed label.} {9/30/2024}  
{All text in braces {xxx} is administrative & will not appear on a printed label.}

concentration of 100-10,000 ppm of this product in the water at the discharge point or pig trap depending on the length of the pipeline and the severity of biofouling.

**DRILLING, PACKER, COMPLETION, WORKOVER AND FRACTURING FLUIDS:**

This product should be added to these fluids at a point where uniform mixing will occur. Add 100-10,000 ppm of this product to a freshly prepared fluid depending on the severity of contamination.

**FIRE PROTECTION SYSTEMS:**

This product is effective at controlling microbial growth in waters and on pipe surfaces in fire protection systems. This product must be added to a fire protection system using a chemical metering pump capable of variable pump rates. The product must be injected at a point, such as a riser, manifold or makeup feed water line, where uniform mixing and distribution will occur. Add 100-600 ppm of product (5-30 ppm active ingredient) depending on severity of microbial contamination in the system. Repeat as needed.  
[FIRE PROTECTION SYSTEMS ARE NOT REGISTERED FOR USE IN CALIFORNIA.]

**STORAGE AND DISPOSAL:**

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

**PESTICIDE STORAGE:** Keep product dry and store in a cool, dry, well-ventilated area away from heat or open flame. Store in original container.

**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.

*{Text for non-refillable containers}*

**CONTAINER DISPOSAL:** Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available. Triple rinse container (or equivalent) promptly after emptying. *{For containers of 5 gallons or less}* [Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ 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.] *{For containers with capacities of greater than 5 gallons}* [Triple rinse as follows: Empty the 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.

*{Text for refillable containers}*

**CONTAINER DISPOSAL:** Refillable container. Refill this container with Tributyl tetradecyl phosphonium chloride only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

**WARRANTY**

Seller warrants that the product conforms to its chemical description and when used according to label directions under normal conditions of use, it is reasonably fit for the purpose stated on the label. To the extent consistent with applicable law, seller makes no other warranty, either expressed or implied, and buyer assumes all risk should the product be used contrary to label instructions.

[Tolcide is a registered trademark of Energy Solutions (US) LLC.]

{EPA approved ABN: Plexicide P5S}

{MASTER LABEL}  
{All text in brackets [xxx] is optional & may or may not be included on a printed label.} {9/30/2024}  
{All text in braces {xxx} is administrative & will not appear on a printed label.}

NOTIFICATION

93190-1

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

06/24/2025

TOLCIDE® TP5

For use as an algicide, bactericide, fungicide, for the control of algae, slime forming bacteria, sulfate reducing bacteria, and fungi in air-washers and industrial air scrubbing systems, recirculating cooling water and process water systems including cooling towers, evaporative coolers, brewery pasteurizers, can warmers, and hydrostatic sterilizers and retorts, non-food contact paper and paperboard process water (e.g.: brown paper, corrugated sheet, Kraft paper, newsprint, etc.), and enhanced oil recovery systems, oil and gas production and transmission pipelines and systems, gas storage wells and systems, hydrotesting of pipelines and tanks, pipeline pigging and scraping operations, and oil and gas well drilling and maintenance fluids.

FOR INDUSTRIAL APPLICATIONS. This product must be loaded and transferred only using a metering-pump system. Open pouring is prohibited.

ACTIVE INGREDIENT: Tributyl Tetradecyl Phosphonium Chloride.....5.0%  
OTHER INGREDIENTS .....95.0%  
TOTAL: 100.0%

DANGER  
KEEP OUT OF REACH OF CHILDREN

FIRST AID	
If in Eyes	<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 the first 5 minutes, then continue rinsing eye.</li><li>Call a poison control center or doctor for treatment advice.</li></ul>
If on Skin	<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>
If Inhaled	<ul style="list-style-type: none"><li>Move person to fresh air.</li><li>If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably mouth-to- mouth, if possible.</li><li>Call a poison control center or doctor for treatment advice.</li></ul>
If Swallowed:	<ul style="list-style-type: none"><li>Call 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>
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. In case of emergency call CHEMTREC at 1-800-424-9300.	
Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage.	

Manufactured by:

Energy Solutions (US) LLC  
504 Carnegie Center  
Princeton, NJ 08540



SYENSQO

EPA REG. 102007-2  
EPA EST. [xxxxxxxxxx]

NET WEIGHT: [##] lbs ([##]kg)

- Deleted: CYTEC INDUSTRIES INC.
- Deleted: 68387
- Deleted: 11
- Deleted: Five Garret Mountain Plaza
- Deleted: Woodland Park
- Deleted: 07424

{MASTER LABEL}  
{All text in brackets [xxx] is optional & may or may not be included on a printed label.}  
{All text in braces {xxx} is administrative & will not appear on a printed label.}

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**DANGER. CORROSIVE.** Causes irreversible eye damage and skin burns. Harmful if swallowed or absorbed through skin. May be irritating to nose and throat. Do not get in eye, on skin, or on clothing. Wear coveralls worn over long-sleeved shirt and long pants, socks, chemical-resistant footwear, chemical resistant gloves, and protective eyewear (goggles or face mask). Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

**PHYSICAL OR CHEMICAL HAZARDS:** Do not mix with other chemicals. Mix only with water.

**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 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 local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

## DIRECTIONS FOR USE:

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

This product must be loaded and transferred only using a metering-pump system or a closed loading/application system. Open pouring is prohibited. Wear coveralls worn over long-sleeved shirt and long pants, socks, chemical-resistant footwear, chemical resistant gloves, and protective eyewear (goggles or face mask).

### RECIRCULATING COOLING AND PROCESS WATER SYSTEMS / AIR WASHERS AND INDUSTRIAL AIR SCRUBBING SYSTEMS:

When used as directed, this product effectively controls algal, bacterial, and fungal slimes in commercial and industrial cooling towers, evaporative condensers, heat exchange water systems, evaporative coolers, dairy sweetwater systems, industrial process water systems, brewery pasteurizers, can warmers, hydrostatic sterilizers and retorts, air washing systems equipped with a mist eliminator, and industrial air scrubbing systems. Add this product at a point of uniform mixing such as the basin area.

#### DOSAGE RATES:

Initial Dose: When the system is noticeably fouled, add 26 to 77 fluid ounces of product per 1000 gallons (200 to 600 milliliters/1000 liters) of water contained in the system. Repeat until control is achieved.

Subsequent Dose: When microbial control is evident, add 13 to 38 fluid ounces of product per 1000 gallons (100 to 300 milliliters/1000 liters) of water contained in the system. Repeat as needed to maintain control.

Heavily fouled systems must be cleaned before treatment is begun.

[DAIRY SWEETWATER SYSTEM APPLICATIONS ARE NOT REGISTERED FOR USE IN CALIFORNIA]

[BREWERY PASTEURIZERS, CAN WARMERS, HYDROSTATIC STABILIZERS OR RETORTS ARE NOT REGISTERED FOR USE IN CALIFORNIA]

[AIR-WASHER OR AIR SCRUBBER SYSTEM APPLICATIONS ARE NOT REGISTERED FOR USE IN CALIFORNIA]



**PULP, PAPER, AND PAPERBOARD MILLS:**

THIS PRODUCT IS ONLY FOR USE IN NON-FOOD APPLICATION, such as brown paper mills, sheet for corrugated board, Kraft paper, newsprint and similar paper / paperboard not intended for food contact uses. When used as directed this product effectively controls bacterial and fungal slimes in pulp, paper, and paperboard mill process water systems including white water systems. Treat water at critical areas in the system where mixing of the product will be uniform such as beaters, furnish chest, white-water tank, save-all, and broke chest. The frequency and duration of the treatment will depend upon the severity of the problem.

**DOSAGE RATES**

Initial Dose: When the system is noticeably fouled, add 5 to 30 pounds of this product per ton of pulp or paper (dry basis) as a slug dose. Repeat until control is achieved. Heavily fouled systems must be cleaned before initial treatment.

Subsequent Dose: When biological control is evident, add 3 to 20 pounds of product per ton of pulp or paper (dry basis) as a slug dose as necessary to maintain control.

**ENHANCED OIL RECOVERY SYSTEMS:**

**NOT FOR USE IN ESTUARINE OR MARINE OIL RECOVERY SYSTEMS.** When used as directed this product effectively controls slime-forming and sulfate-reducing bacteria in injection and produced water systems, water disposal systems, and other oilfield water systems. Treat water at critical points in the system such as water or oil storage tanks, surge tanks, oil-water separators, before or after injection pumps, and injection well headers.

**DOSAGE RATES**

When the system is noticeably fouled, or to maintain control in the system, add 42 to 420 gallons of this product per 1000 barrels of water as a slug dose for 1-8 hours per day, 1-4 times per week.

**OIL AND GAS PRODUCTION AND TRANSMISSION PIPELINES AND SYSTEMS:**

This product should be added at a point in the pipeline where uniform mixing will occur. The application should be conducted to ensure maximum distribution of product through the entire internal surface of the pipeline. Follow dosing instructions for enhanced oil recovery systems.

**GAS STORAGE WELLS AND SYSTEMS:**

Individual injection wells should be treated with a sufficient quantity of product to produce a concentration of 100-10,000 ppm of this product when diluted by the water present in the formation. Injections should be repeated as needed to maintain control.

Individual drips should be treated with sufficient quantity of this product to produce a concentration of 100-10,000 ppm of this product when diluted by the water present in the drips. Injections should be repeated as needed to maintain control.

**HYDROTESTING:**

Water used to hydrotest pipelines or vessels should contain 100-10,000 ppm of product, depending on water quality and length of time the equipment will remain idle.

**PIPELINE PIGGING AND SCRAPING OPERATIONS:**

Add this product to a slug of water immediately following the scraper (ideally this water volume can be kept to a minimum and contained between the scraper and a trailing pig). Sufficient product should be added to produce a

concentration of 100-10,000 ppm of this product in the water at the discharge point or pig trap depending on the length of the pipeline and the severity of biofouling.

**DRILLING, PACKER, COMPLETION, WORKOVER AND FRACTURING FLUIDS:**

This product should be added to these fluids at a point where uniform mixing will occur. Add 100-10,000 ppm of this product to a freshly prepared fluid depending on the severity of contamination.

**FIRE PROTECTION SYSTEMS:**

This product is effective at controlling microbial growth in waters and on pipe surfaces in fire protection systems. This product must be added to a fire protection system using a chemical metering pump capable of variable pump rates. The product must be injected at a point, such as a riser, manifold or makeup feed water line, where uniform mixing and distribution will occur. Add 100-600 ppm of product (5-30 ppm active ingredient) depending on severity of microbial contamination in the system. Repeat as needed.  
[FIRE PROTECTION SYSTEMS ARE NOT REGISTERED FOR USE IN CALIFORNIA.]

**STORAGE AND DISPOSAL:**

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

**PESTICIDE STORAGE:** Keep product dry and store in a cool, dry, well-ventilated area away from heat or open flame. Store in original container.

**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.

*{Text for non-refillable containers}*

**CONTAINER DISPOSAL:** Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available. Triple rinse container (or equivalent) promptly after emptying. *{For containers of 5 gallons or less}* [Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ 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.] *{For containers with capacities of greater than 5 gallons}* [Triple rinse as follows: Empty the 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.

*{Text for refillable containers}*

**CONTAINER DISPOSAL:** Refillable container. Refill this container with Tributyl tetradecyl phosphonium chloride only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

**WARRANTY**

Seller warrants that the product conforms to its chemical description and when used according to label directions under normal conditions of use, it is reasonably fit for the purpose stated on the label. To the extent consistent with applicable law, seller makes no other warranty, either expressed or implied, and buyer assumes all risk should the product be used contrary to label instructions.

[Tolcide is a registered trademark of Energy Solutions (US) LLC.]

{EPA approved ABN: Plexicide P5S}

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