



Ultra San SCD 2 (AFCO 4309)

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision Date: 3/9/16

Version: 1.0

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

Product Identifier

Product Form: Mixture

Product Name: Ultra San SCD 2 (AFCO 4309)

Product Code: AFCO 4309

Intended Use of the Product

Use of the Substance/Mixture: Antimicrobial pesticide. For professional use only.

Name, Address, and Telephone of the Responsible Party

Company

Alex C. Fergusson, LLC.
800 Development Avenue
Chambersburg, PA 17201
T 800-345-1329
www.afcocare.com

Emergency Telephone Number

Emergency number : 1-800-424-9300 (CHEMTREC)

SECTION 2: HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

Classification (GHS-US)

Not classified as hazardous under 29 CFR 1910.1200 (d) and is not subject to GHS hazard statement requirements.

Label Elements

GHS-US Labeling

No labelling required

Other Hazards

Other Hazards Not Contributing to the Classification: Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions.

Unknown Acute Toxicity (GHS-US) Not available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substances

Mixture

Name	Product identifier	% (w/w)	Classification (GHS-US)
Water	(CAS No) 7732-18-5	>95.65	Not classified
Sodium chlorite	(CAS No) 7758-19-2	3.35	Not classified

Full text of H-phrases: see section 16

SECTION 4: FIRST AID MEASURES

Description of First Aid Measures

General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

Inhalation: Chlorine dioxide vapors are emitted when this product contacts acids or chlorine. If these vapors are inhaled move person into fresh air. When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.

Skin Contact: Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Obtain medical attention if irritation develops or persists.

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if pain, blinking or redness persist.

Ingestion: Rinse mouth. Do NOT induce vomiting. Seek medical attention.

Most Important Symptoms and Effects Both Acute and Delayed

General: Not expected to present a significant hazard under anticipated conditions of normal use.

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Inhalation: May cause respiratory irritation.

Skin Contact: May cause mild skin irritation.

Eye Contact: May cause eye irritation.

Ingestion: Ingestion is likely to be harmful or have adverse effects.

Chronic Symptoms: Not available

Indication of Any Immediate Medical Attention and Special Treatment Needed

If you feel unwell, seek medical advice (show the label where possible).

SECTION 5: FIREFIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: Water or dry powder extinguisher. Use extinguishing media appropriate for surrounding fire.

Unsuitable Extinguishing Media: NA

Special Hazards Arising From the Substance or Mixture

Fire Hazard: Substance does not burn but supports the combustion of flammable substances through the liberation of oxygen. Water is the preferred extinguishing media when it is compatible with the burning substance. If water is not compatible use dry powder extinguisher.

Explosion Hazard: Product is not explosive.

Reactivity: Hazardous reactions will not occur under normal conditions.

Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire.

Firefighting Instructions: Use water spray or fog for cooling exposed containers.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Hazardous Combustion Products: Hydrogen chloride gas (HCl) and oxides of sodium (NaO_x).

Other information: Do not allow run-off from fire fighting to enter drains or water courses.

Reference to Other Sections

Refer to section 9 for flammability properties.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Avoid prolonged contact with eyes, skin and clothing. Avoid breathing (vapor, mist, spray).

For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Ventilate area.

Environmental Precautions

Prevent entry to sewers and public waters.

Methods and Material for Containment and Cleaning Up

Small Spills (<5gallons): Spill may be flushed to a designated and permitted sewer system with the amount of water that is about 20 times that of the spill.

Large Spills (>10 gallons): Spill should be contained and neutralized using any of these three neutralizers: i) Sodium sulfite ii) Sodium bisulfite, or iii) sodium thiosulfate.

Reference to Other Sections

See heading 8, Exposure Controls and Personal Protection.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling

Additional Hazards When Processed: None under normal use.

Hygiene Measures: Use product only as directed by the label. Avoid contact with skin and eyes; avoid breathing any vapors or fumes resulting from product activation. Wash hands and forearms thoroughly after handling. Thoroughly rinse all protective gear and handling equipment, such as transfer pumps and lines, with water prior to reuse or storage. Keep away from children, animals and unauthorized personnel.

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Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Comply with applicable regulations.

Storage Conditions: Store in a dry, cool and well-ventilated place. Keep container closed when not in use and open carefully to prevent spillage. Keep/Store away from extremely high temperatures, incompatible materials. Storage on wooden floors and pallets is not recommended. Do not contaminate water, food or feed by storage or disposal.

Incompatible Materials: Acids, Reducing agents, Combustible material, Oxidizing agents, hypochlorite, Organic solvents and compounds, Garbage, Dirt, Organic materials, Household products, Chemicals, soap products, Vinegar, Beverages, Oils, Pine oil, Dirty rags, Sulfur-containing rubber, or any other foreign matter.

Specific End Use(s)

Antimicrobial pesticide. For professional use only.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

No Occupational Exposure Limits (OELs) have been established for this product or its chemical components.

Exposure Controls

Appropriate Engineering Controls: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

Personal Protective Equipment: Protective clothing. Gloves. Respiratory protection. Protective goggles.



Materials for Protective Clothing: Chemically resistant materials and fabrics.

Hand Protection: Wear chemically resistant protective gloves.

Eye Protection: Chemical goggles or safety glasses.

Skin and Body Protection: Protective clothing to protect against skin contact.

Respiratory Protection: Use NIOSH-approved N95 respirator to protect against mist and spray.

Other Information: When using, do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State	: Liquid
Appearance	: Clear, pale yellow
Odor	: Slight chlorine
Odor Threshold	: Not available
pH	: 8.0 - 8.5
Relative Evaporation Rate (butylacetate=1)	: Not available
Melting Point	: Not available
Freezing Point	: 23°F (-5°C)
Boiling Point	: 213 °F (100.5°C)
Flash Point	: Not applicable
Auto-ignition Temperature	: None
Decomposition Temperature	: Not available
Flammability (solid, gas)	: Not flammable
Lower Flammable Limit	: Not available
Upper Flammable Limit	: Not available
Vapor Pressure	: 23.7 mg Hg (25°C)
Vapor Density	: 0.02 kg/m ³
Specific Gravity	: 1.030
Solubility	: Miscible in water

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Log Pow	: Not available
Log Kow	: Not available
Viscosity, Kinematic	: 0.6409 mm ² /s
Viscosity, Dynamic	: Not available
Explosion Data – Sensitivity to Mechanical Impact	: Not available
Explosion Data – Sensitivity to Static Discharge	: Not available

SECTION 10: STABILITY AND REACTIVITY

Reactivity: Hazardous reactions will not occur under normal conditions.

Chemical Stability: Stable at standard temperature and pressure.

Possibility of Hazardous Reactions: Contact with acids or chlorine can result in the evolution of chlorine dioxide gas (ClO₂).

Conditions to Avoid: Avoid heat, flames, sparks and other sources of ignition. Avoid evaporation to dryness. Dried material can ignite upon contact with combustibles. Avoid contamination with foreign materials. Avoid exposure to sunlight or ultraviolet light.

Incompatible Materials: Acids, Reducing agents, Combustible material, Oxidizing agents, hypochlorite, Organic solvents and compounds, Garbage, Dirt, Organic materials, Household products, Chemicals, soap products, Vinegar, Beverages, Oils, Pine oil, Dirty rags, Sulfur-containing rubber, or any other foreign matter.

Hazardous Decomposition Products: Burning will release hydrogen chloride gas (HCl) and oxides of sodium (NaO_x).

SECTION 11: TOXICOLOGICAL INFORMATION

Information on Toxicological Effects - Product

Acute Toxicity: Not classified

LD50 and LC50 Data:

Ultra San SCD 2 (AFCO 4309)	
LD50 Oral Rat	4360 mg/kg
LC50 Inhalation	>5.61 mg/kg
LD50 Dermal (rabbit)	>2020 mg/kg

Skin Corrosion/Irritation: Not classified

Serious Eye Damage/Irritation: Not classified

Respiratory or Skin Sensitization: Not classified

Germ Cell Mutagenicity: Not classified

Teratogenicity: Not available

Carcinogenicity: Not classified

Specific Target Organ Toxicity (Repeated Exposure): Not classified

Reproductive Toxicity: Not classified

Specific Target Organ Toxicity (Single Exposure): Not classified

Aspiration Hazard: Not classified

Symptoms/Injuries After Inhalation: May cause respiratory irritation.

Symptoms/Injuries After Skin Contact: May cause mild skin irritation.

Symptoms/Injuries After Eye Contact: May cause moderate eye irritation.

Symptoms/Injuries After Ingestion: Ingestion is likely to be harmful or have adverse effects.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity Toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes, rivers, or streams. Do not discharge effluent containing this product to sewer systems without first notifying the sewage treatment plant.

Persistence and Degradability

Ultra San SCD 2 (AFCO 4309)	
Persistence and Degradability	Biodegradable

Bioaccumulative Potential

Ultra San SCD 2 (AFCO 4309)	
Bioaccumulative Potential	Does not bioaccumulate

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Mobility in Soil Does not migrate in soil.

Other Adverse Effects

Other Information: Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Recommendations: Wastes resulting from the use of this product may be disposed of on site or at a approved waste disposal facility.

SECTION 14: TRANSPORT INFORMATION

14.1 In Accordance with DOT Not regulated for transport

14.2 In Accordance with IMDG Not regulated for transport

14.3 In Accordance with IATA Not regulated for transport

14.4 In Accordance with TDG Not regulated for transport

SECTION 15: REGULATORY INFORMATION

US Federal Regulations

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All components are listed on or exempt from the United States TSCA (Toxic Substances Control Act) inventory

US State Regulations

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U.S. - Massachusetts Right To Know Hazardous Substances List

U.S. - New Jersey Right To Know Hazardous Substances List

U.S. - New Jersey Right To Know Special Health Hazards Substances List

U.S. Pennsylvania Right To Know Hazardous Substances List

Canadian Regulations

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All components are listed on the Canadian DSL (Domestic Substances List) inventory or the NDSL.

WHMIS Classification	Uncontrolled product according to WHMIS classification criteria
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This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by CPR.

FIFRA Regulations

Registered pesticide under 40CFR 152.10 (FIFRA). This chemical is a pesticide product registered by the US EPA and subject to certain labeling requirements under FIFRA. These requirements differ from the classification criteria and hazard information require for SDS's. The hazard information required on the pesticide label is reproduced below.

FIFRA Signal word- CAUTION

Corrosive

Harmful if swallowed

Avoid breathing vapor or mist

Causes moderate eye irritation

Remove contaminated clothing and wash clothing before reuse

Wash thoroughly with soap & water after handling

Handlers applying chlorine dioxide must wear gloves.

This product is toxic to fish and aquatic invertebrates

SECTION 16: OTHER INFORMATION

Revision date : 3/9/2016

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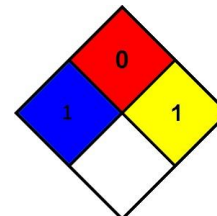
Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

GHS Full Text Phrases: None

NFPA Health Hazard : 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.

NFPA Fire Hazard : 0 - Materials that will not burn.

NFPA Reactivity : 1 - Normally stable, but can become unstable at elevated temperatures and pressures or may react with water with some release of energy, but not violently.



HMIS III Rating

Health : 1 Slight Hazard - Irritation or minor reversible injury possible

Flammability : 0 Minimal Hazard

Physical : 1 Slight Hazard

Party Responsible for the Preparation of This Document

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This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

North America GHS US 2012 & WHMIS 2