

# SAFETY DATA SHEET

## SpectraKill - RTU

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Printed: 03/16/2018

Revision: 03/16/2018

Supersedes Revision: 03/18/2015

### 1. Product and Company Identification

**Product Code:** SKRTU  
**Product Name:** SpectraKill - RTU  
**Company Name:** CROWN TECHNOLOGY, INC  
7513 E. 96TH STREET  
Indianapolis, IN 46256  
**Phone Number:** (317)845-0045  
**Web site address:** crowntech.com  
**Emergency Contact:** PERS (800)633-8253

### 2. Hazards Identification

**Acute Toxicity: Inhalation, Category 5**  
**Skin Corrosion/Irritation, Category 3**  
**Serious Eye Damage/Eye Irritation, Category 2B**  
**Acute Toxicity: Oral, Category 5**

**GHS Signal Word:** **Warning**  
**GHS Hazard Phrases:** H303 - May be harmful if swallowed.  
H316 - Causes mild skin irritation.  
H320 - Causes eye irritation.  
H333 - May be harmful if inhaled.  
**GHS Precaution Phrases:** P264 - Wash hands thoroughly after handling.  
P273 - Avoid release to the environment.  
**GHS Response Phrases:** P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P312 - Call a POISON CENTER or doctor/physician if you feel unwell.  
P332+313 - If skin irritation occurs, get medical advice/attention.  
P337+313 - If eye irritation persists, get medical advice/attention.  
**GHS Storage and Disposal Phrases:** P501 - Dispose of contents/container to ...  
**Potential Health Effects (Acute and Chronic):** None.  
**Inhalation:** May cause respiratory tract irritation.  
**Skin Contact:** May cause skin irritation.  
**Eye Contact:** May cause eye irritation.  
**Ingestion:** May cause irritation of the digestive tract.

### 3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
7732-18-5	Water	94.0 %
7722-84-1	Hydrogen peroxide	5.3 %
68424-85-1	Quaternary ammonium compounds,benzyl-C12-16-alkyldimethyl, chlorides	0.0 -1.0 %

Rec. 10/20/20.

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### 4. First Aid Measures

<b>Emergency and First Aid Procedures:</b>	Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
<b>In Case of Inhalation:</b>	If breathed in, move person into fresh air. Consult a physician. Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen.
<b>In Case of Skin Contact:</b>	Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists. Wash clothing before reuse.
<b>In Case of Eye Contact:</b>	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. If irritation develops, get medical aid.
<b>In Case of Ingestion:</b>	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Get medical aid if irritation or symptoms occur.
<b>Signs and Symptoms Of Exposure:</b>	The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11
<b>Note to Physician:</b>	Treat symptomatically and supportively.

### 5. Fire Fighting Measures

<b>Flash Pt:</b>	> 200.00 F (93.3 C)
<b>Explosive Limits:</b>	LEL: No data. UEL: No data.
<b>Autoignition Pt:</b>	No data.
<b>Suitable Extinguishing Media:</b>	Substance is nonflammable; use agent most appropriate to extinguish surrounding fire.
<b>Fire Fighting Instructions:</b>	As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Material will not burn. Wear self contained breathing apparatus for fire fighting if necessary.
<b>Flammable Properties and Hazards:</b>	No data available.
<b>Hazardous Combustion Products:</b>	No data available.

### 6. Accidental Release Measures

<b>Protective Precautions, Protective Equipment and Emergency Procedures:</b>	Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. For personal protection see section 8.
<b>Environmental Precautions:</b>	Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided. Methods and materials for containment and cleaning up: Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13).
<b>Steps To Be Taken In Case Material Is Released Or Spilled:</b>	Use proper personal protective equipment as indicated in Section 8. Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Avoid runoff into storm sewers and ditches which lead to waterways. Clean up spills immediately, observing precautions in the Protective Equipment section. Provide ventilation.

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### 7. Handling and Storage

**Precautions To Be Taken in Handling:** No special handling procedures are required. Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Keep away from sources of ignition - No smoking. For precautions see section 2. Wash thoroughly after handling. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation. Use with adequate ventilation.

**Precautions To Be Taken in Storing:** No special storage requirements. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Recommended storage temperature: 2 - 8 deg.C. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. No special precautions indicated.

### 8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
7732-18-5	Water	No data.	No data.	No data.
7722-84-1	Hydrogen peroxide	PEL: 1 ppm	TLV: 1 ppm	No data.
68424-85-1	Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	No data.	No data.	No data.

**Respiratory Equipment (Specify Type):** Respirator protection is not normally required.

**Eye Protection:** Safety glasses.

**Protective Gloves:** Handle with gloves.

**Other Protective Clothing:** Protective garments not normally required.

**Engineering Controls (Ventilation etc.):** There are no special ventilation requirements.

**Work/Hygienic/Maintenance Practices:** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

**Environmental Exposure Controls:** Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

### 9. Physical and Chemical Properties

**Physical States:** [ ] Gas [X] Liquid [ ] Solid

**Appearance and Odor:** Appearance: Clear. Liquid.

**pH:** 2-3

**Melting Point:** 32.00 F (0.0 C)

**Boiling Point:** No data.

**Flash Pt:** > 200.00 F (93.3 C)

**Evaporation Rate:** No data.

**Flammability (solid, gas):** No data available.

**Explosive Limits:** LEL: No data. UEL: No data.

**Vapor Pressure (vs. Air or mm Hg):** No data.

**Vapor Density (vs. Air = 1):** No data.

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**Specific Gravity (Water = 1):** 1.01 - 1.03  
**Solubility in Water:** No data.  
**Octanol/Water Partition Coefficient:**  
**Percent Volatile:** < 5.0 % by weight.  
**Autoignition Pt:** No data.  
**Decomposition Temperature:** No data.  
**Viscosity:** No data.

### 10. Stability and Reactivity

**Stability:** Unstable [ ] Stable [ X ]  
**Conditions To Avoid - Instability:** Excess heat, Sunlight.  
**Incompatibility - Materials To Avoid:** Reducing agents, Strong bases, Organic Material.  
**Hazardous Decomposition or Byproducts:** Oxygen.  
**Possibility of Hazardous Reactions:** Will occur [ ] Will not occur [ X ]  
**Conditions To Avoid - Hazardous Reactions:** No data available.

### 11. Toxicological Information

**Toxicological Information:** Epidemiology: No data available.  
Teratogenicity: No data available.  
Reproductive Effects: Neurotoxicity: Other Studies: Germ cell mutagenicity.  
Reproductive toxicity. Specific target organ toxicity - single exposure: Specific target organ toxicity - repeated exposure: Aspiration hazard: No information found.

CAS# 68424-85-1: Acute toxicity, LD50, Oral, Rat, 426.0 MG/KG. Results: Cardiac:Pulse rate increased without fall in BP. Lungs, Thorax, or Respiration:Acute pulmonary edema. ; U.S. Army, Environmental Hygiene Agency Reports., Vol/p/yr: 5177T7-66, 1967

**Irritation or Corrosion:** No data available.  
**Sensitization:** No data available.  
**Carcinogenicity/Other Information:** CAS# 7732-18-5: Not listed by ACGIH, IARC, NTP, or CA Prop 65. IARC: 3 -Group 3: Not classifiable as to its carcinogenicity to humans. NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA. CAS# 7558-79-4: Not listed by ACGIH, IARC, NTP, or CA Prop 65.  
CAS# 7778-77-0: Not listed by ACGIH, IARC, NTP, or CA Prop 65.  
CAS# 68424-85-1: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

**Carcinogenicity:** NTP? No IARC Monographs? No OSHA Regulated? No

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### 12. Ecological Information

**General Ecological Information:** CAS# 68424-85-1: LC50, Fathead Minnow (*Pimephales promelas*), 1.400 PPM, 96 H, Mortality; Pesticide Ecotoxicity Database (Formerly: Environmental Effects Database (EEDB)), Office of Pesticide Programs, 2000  
 Effective concentration to 50% of test organisms., Water Flea (*Daphnia magna*), 37.00 PPB, 48 H, Intoxication,; Pesticide Ecotoxicity Database (Formerly: Environmental Effects Database (EEDB)), Office of Pesticide Programs, 2000

**Results of PBT and vPvB assessment:** PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

**Other adverse effects:** An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life.

### 13. Disposal Considerations

**Waste Disposal Method:** Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.  
 RCRA P-Series: None listed.  
 RCRA U-Series: None listed. Product.  
 Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.  
 Contaminated packaging.

### 14. Transport Information

**LAND TRANSPORT (US DOT):**  
**DOT Proper Shipping Name:** Not regulated as a hazardous material.  
**DOT Hazard Class:**  
**UN/NA Number:**

**LAND TRANSPORT (Canadian TDG):**  
**TDG Shipping Name:** No information available.

### 15. Regulatory Information

**EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists**

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
7732-18-5	Water	No	No	No
7722-84-1	Hydrogen peroxide	Yes 1000 LB	No	No
68424-85-1	Quaternary ammonium compounds,benzyl-C12-16-alkyldimethyl, chlorides	No	No	No

**This material meets the EPA 'Hazard Categories' defined for SARA Title III Sections 311/312 as indicated:**

<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Acute (immediate) Health Hazard
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Chronic (delayed) Health Hazard
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Fire Hazard
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Sudden Release of Pressure Hazard
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Reactive Hazard

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### 16. Other Information

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Hazard Rating System:

HEALTH		1
FLAMMABILITY		0
PHYSICAL		0
PPE		

HMIS:



Additional Information About No data available.

This Product:



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

December 11, 2015

Ms. Erin Tesch  
Regulatory Agent to SpectraShield Technologies, Inc.  
Technology Sciences Group  
1150 18<sup>th</sup> St. NW, Suite 1000  
Washington, DC 20036

Subject: Label Amendment – Removing extraneous information from the Directions for Use and updating the precautionary statements  
Product Name: SpectraKill - RTU  
EPA Registration Number: 90748-1  
Application Date: November 18, 2015  
Decision Number: 511893

Dear Ms. Tesch:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is 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.

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

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EPA Reg. No. 90748-1  
Decision No. 511893

with FIFRA section 6. If you have any questions, please contact me by phone at (703) 308-8735, or via email at [chao.julie@epa.gov](mailto:chao.julie@epa.gov).

Sincerely,

A handwritten signature in black ink, appearing to read "Julie Chao".

Julie Chao, Product Manager 33  
Regulatory Management Branch 1  
Antimicrobials Division (7510P)  
Office of Pesticide Programs

Enclosure: Approved Label



[FRONT PANEL]

# SPECTRAKILL - RTU

## ACTIVE INGREDIENTS

Hydrogen Peroxide .....5.350 %  
Alkyl (50% C<sub>14</sub>, 40% C<sub>12</sub>, 10% C<sub>16</sub>) dimethyl benzyl ammonium chloride.... 0.117 %  
**INERT INGREDIENTS** ..... 94.533 %  
**TOTAL**.....100.000 %

EPA Reg. No. 90748-1  
EPA Est. No.

Net Contents: 1 gallon

**ACCEPTED**

Dec 11, 2015

Under the Federal Insecticide, Fungicide  
and Rodenticide Act as amended, for the  
pesticide registered under  
EPA Reg. No. 90748-1

**KEEP OUT OF REACH OF CHILDREN**

**Warning Advertencia**

{See [{left} {back} {side} {right} {insert} {panel} {of label}] {below}} for {additional}  
{precautionary statements}{and}{or}{first aid}}.

HMIS Rating System: Health – 1 Flammability – 0 Reactivity – 0

## 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. 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. Consult a doctor for treatment advice.

**IF SWALLOWED:** If you feel unwell, call poison control center or consult a doctor immediately for treatment advice. Do not induce vomiting. Do not give anything by mouth to an unconscious person.

**HOTLINE NUMBER:** Have the product container or label with you when calling a poison control center or consulting a doctor. For emergency information on product [product, use, etc.], call the National Pesticides Information Center at 1-800-858-7378, 6:30 AM to 4:30 PM Pacific time (PT), seven days a week. Other times, call the poison control center 1-800-222-1222. Further questions, call Professional Emergency Resource Services at 1-800-633-8253.

Manufactured for:  
**SpectraShield™ Technologies, LLC**  
4835 E Cactus Rd., #320  
Scottsdale, AZ 85254

Spectrashield Technology  
SpectraKill-RTU EPA Reg. No. 90748-1  
Amendment, November 18, 2015, Ver. 2  
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## PRECAUTIONARY STATEMENT

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**Warning** –Causes substantial but temporary eye injury. Do not get in eyes or on clothing. Wear protective clothing such as safety glasses and chemical resistant gloves. 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.

### 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 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.

### PHYSICAL OR CHEMICAL HAZARD

Do not store near heat or open flame. Do not mix with other oxidizers, soap, or anionic materials.

### STORAGE AND DISPOSAL

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

**Pesticide Storage:** Non-refillable container. Store only in original container. Do not reuse empty container. Store pesticides away from food, pet food, feed, seed, fertilizers, and veterinary supplies. Keep this product under locked storage sufficient to make it inaccessible to children or persons unfamiliar with its proper use. Store in a cool, dry, place. Open dumping is prohibited. Keep this product under locked storage sufficient to make it inaccessible to children or persons unfamiliar with its proper use. Keep from freezing.

**Container Disposal:** Fill container ¼ full with water and re-close the container. Agitate vigorously and dispose of rinsate. Repeat two more times. Wrap container and put in trash or offer for recycling if available.

### One Step Disinfectant

#### Germicidal Detergent and Deodorant

SpectraKill – RTU is a proven one-step disinfectant – cleaner – fungicide that is effective in the presence of 5% serum contamination. SpectraKill – RTU is perfect for use on hard, non-porous surfaces in:

- Hospitals, medical and dental offices, outpatient clinics, nursing homes, healthcare facilities, physician offices, patient care rooms, emergency rooms, exam rooms, operating rooms, radiology rooms, isolation wards, recovery rooms, labs, hospices, surgical centers, dialysis centers, cancer centers, exercise & physical therapy centers
- EMS and fire departments, ambulance services, emergency vehicles, equipment, fire trucks, police cars, police stations, correctional facilities, jails, prisons, penitentiaries
- Schools, colleges, universities, day care centers, classrooms, laboratories, athletic facilities, locker rooms, exercise facilities, gyms, restrooms, shower rooms
- Hotels, motels, resorts, cruise ships, health clubs, spas, tanning salons/ beds,
- Basements, cellars, bedrooms, attics, living rooms, porches, crawl spaces.

## DIRECTIONS FOR USE

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

Apply SpectraKill - RTU directly to non-porous surface. Do not dilute. Wet surface thoroughly using an application device such as a sprayer. Surface must remain wet for two minutes. SpectraKill - RTU must be reapplied if it dries out or becomes diluted by any liquid during the two minutes.

Institutional/Medical Premises and equipment\*

\*This product is not to be used as a terminal sterilant/high level disinfectant on any surface or instrument that (1) is introduced directly into the human body, either into or in contact with the bloodstream or normally sterile areas of the body, or (2) contact intact mucous membranes but which does not ordinarily penetrate the blood barrier or otherwise enter normally sterile areas of the body. This product may be used to pre-clean or decontaminate critical or semi-critical medical devices prior to sterilization or high level disinfection.