

# Combat XIX

## TUBERCULOCIDAL SPRAY DISINFECTANT

**NAVSEA Shipboard (SHML & T-SHML) Approved**

### SPECIFICATIONS

Registrations	EPA
Dilution	RTU
pH Level	11.8 – 12.8
Color	Clear
Fragrance	Lemon

EPA # 1839-83-50371

Approved on EPA 'N' list

Effective against **Mycobacterium tuberculosis** in **5 MINUTES** and **Norovirus** in **60 SECONDS**.



### TO FIGHT PATHOGENS THAT CAUSE BACTERIAL AND VIRAL INFECTIONS

A ready-to-use, quaternary disinfectant spray cleaner that is ideal for healthcare facilities due to its extensive list of disinfectant claims including Tuberculosis and **Norovirus**. Inhibits growth of mold and mildew and controls related odors. EPA registered as a Broad Spectrum Disinfectant cleaning product. Helps stop the spread of Coronavirus.



### FORMULA FEATURES

- Cleaner, Deodorizer and Mildewstat
- Effective Tuberculocidal Disinfectant on Hard, Non-Porous Surfaces
- Unlike Bleach, Will Not Damage Carpets, Upholstery, Clothing or Metal
- Kills Covid-19 on hard non-porous surfaces
- Kills Many Viruses and Bacteria in 1, 3 or 5 Minutes
- Kills Norovirus in 60 Seconds
- EPA Registered to Kill Hepatitis A
- Bloodborne Pathogen Compliant
- Effective Against Swine Flu

### REPLACEMENT FOR CAVI-WIPES

- Non Flammable
- Non Corrosive
- 60 Second Kill Time
- One Step Cleaning Process

### RECOMMENDED FOR HARD NON-POROUS SURFACES

- Desks and Counter Tops
- Metal Surfaces
- Plastic Surfaces
- Stainless Steel Surfaces
- Bathrooms
- Sinks and Shower Stalls
- Ceramic Tile
- Glazed Porcelain
- Walls and Floors
- Door Knobs and Handles
- Keyboards, Mouses, Phones
- Appliances

### DIRECTIONS

Disinfection, deodorizing and cleaning: Remove gross filth or heavy soil prior to application of the product. Hold container six to eight inches from surface to be treated. Spray area until it is covered with the solution. Allow product to penetrate and the surface to remain wet for 60 seconds (for Bloodborne Pathogens: allow surface to remain wet for HIV-1 1 minute and for HBV and HCV 5 minutes). No scrubbing is necessary. Wipe off with a clean cloth, mop or sponge. The product will not leave grit or soap scum.

**Approved for, and listed on the NAVSUP WSS COVID-19 product list. On open purchase without NSN#**

**COAST #COXIX**

**(12) 32 oz. RTU with trigger sprayers**

Approved on ships T-SHMLs for use against Covid-19.



COAST PRODUCTS, INC. • Honolulu, HI 96814

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# COAST® 814

# TUBERCULOCIDAL SPRAY DISINFECTANT

## DISINFECTANT CLAIMS:

- Mycobacterium tuberculosis BCG
- Community Associated Methicillin resistant Staphylococcus aureus (CA-MRSA)
- Vancomycin resistant Enterococcus faecalis (VRE)
- Staphylococcus aureus
- Salmonella (choleraesuis) enterica
- Pseudomonas aeruginosa
- Escherichia coli
- Enterococcus faecium
- Methicillin resistant Staphylococcus aureus (MRSA)
- Vancomycin intermediate resistant Staphylococcus aureus (VISA)

## FUNGICIDAL ACTIVITY:

- Norovirus (Norwalk) virus
- Hepatitis A Virus
- Hepatitis B Virus (HBV)
- Hepatitis C Virus (HCV)
- Human Coronavirus
- SARS associated Coronavirus
- Avian Influenza A strain H9N2
- Paramyxovirus (Mumps)
- Rhinovirus type 39

## FUNGICIDAL ACTIVITY:

- Trichophyton mentagrophytes (Athlete's Foot Fungus)

This is not a complete list of organisms and names

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Revision number of 2020-11-05 (app D)

**SECTION 1: Identification**

1.1 **Product Identifier**  
Trade name: **COMBAT XIX TUBERCULOCIDAL SPRAY DISINFECTANT RTU**  
Manufacturer: **COAST**  
Address: **15000 S. 150th St., Kent, WA 98148**

1.2 **Relevant identified uses of the substance or mixture and uses advised against**  
Identified uses: **Hand surface spray disinfectant cleaner**  
Uses advised against: **None**

1.3 **Details of the supplier of the safety data sheet**  
Company: **COAST**  
Address: **15000 S. 150th St., Kent, WA 98148**

1.4 **Emergency telephone number**  
Emergency: **800-535-5053**  
National Poison Center: **800-222-1222**

**SECTION 2: Hazardous identification**

2.1 **Classification of the substance or mixture**  
Classification acc. to GHS: **"Hazard Communication Standard" (29 CFR 1910.1200)**

Hazard class	Hazard statement	Category	Hazard pictogram	Signal word
A2	Very toxic to aquatic life with long lasting effects	2A	[Pictogram]	DANGER

2.2 **Label elements**  
Labeling acc. to GHS: **"Hazard Communication Standard" (29 CFR 1910.1200)**  
- Signal word: **DANGER**  
- Pictograms: **[Pictogram]**  
- GHS07: **[Pictogram]**  
- Hazard statements: **H272**  
- Precautionary statements: **P201**  
- P202: **Keep away from heat, open flames, hot surfaces. Do not smoke.**  
- P231+P232: **Do not breathe dust/fume/gas/aerosol. Use only with adequate ventilation.**  
- P233: **Store in a well-closed container.**  
- P240: **Wear eye protection.**  
- P261+P301: **Avoid breathing dust/fume/gas/aerosol. In case of inhalation, move to fresh air and rest. If breathing difficulty persists, seek medical attention.**  
- P305+P351+P338: **In case of contact with eyes, rinse immediately with plenty of water. Seek immediate medical attention.**  
- P308+P313: **In case of exposure, follow the instructions on the label.**

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**SECTION 3: Handling and storage**

3.1 **Precautions for safe handling**  
Recommendations:  
- Measures to protect the air as well as normal dust generation: **Use local and general ventilation. Use only in well-ventilated areas.**  
- Handling of incompatible substances or mixtures: **Do not mix with acids.**

3.2 **Conditions for safe storage, including any incompatibilities**  
Control of effects:  
- Prevent against external exposure, such as: **Wear eye protection.**  
- See section 13 for general overview.

**SECTION 8: Exposure control/personal protection**

8.1 **Control parameters**  
Occupational exposure limit values (OSHA/NIOSH/ACGIH/UK) [ppm, mg/m³, %TWA, %Ceiling, %STEL, %TLV, %TLV-C, %TLV-S, %TLV-C, %TLV-S, %TLV-C, %TLV-S]

Substance	OSHA PEL	NIOSH REL	ACGIH TLV	UK OEL
Formaldehyde	0.1 ppm	0.1 ppm	0.1 ppm	0.1 ppm
Hydrogen Peroxide	10 ppm	10 ppm	10 ppm	10 ppm

8.2 **Exposure control**  
- Hand protection: **Wear gloves.**  
- Eye protection: **Wear eye protection.**  
- Respiratory protection: **Wear respiratory protection.**

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**SECTION 10: Incompatible materials**  
10.1 **Incompatible materials**  
Reactive: **None**  
Oxidizing: **None**  
Reactive of formaldehyde materials with: **None**  
Reactive of hydrogen peroxide materials with: **None**

**SECTION 11: Toxicological information**

11.1 **Information on toxicological effects**  
Acute toxicity estimate (ATE) of components of the mixture:

Material	CA LD50	OSHA	NIOSH	UK OEL
Formaldehyde	10 mg/kg	10 mg/kg	10 mg/kg	10 mg/kg
Hydrogen Peroxide	10 mg/kg	10 mg/kg	10 mg/kg	10 mg/kg

11.2 **Environmental effects**  
- Aquatic toxicity: **Very toxic to aquatic life with long lasting effects.**

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**SECTION 12: Ecological information**

12.1 **Toxicity**  
Aquatic toxicity estimate (ATE) of components of the mixture:

Material	CA LD50	OSHA	NIOSH	UK OEL
Formaldehyde	10 mg/kg	10 mg/kg	10 mg/kg	10 mg/kg
Hydrogen Peroxide	10 mg/kg	10 mg/kg	10 mg/kg	10 mg/kg

12.2 **Persistence and degradability**  
- Persistence: **None**  
- Degradability: **None**

12.3 **Biodegradability potential**  
- Biodegradability: **None**

12.4 **Mobility in soil**  
- Mobility: **None**

12.5 **Results of PBT and vPvB assessment**  
- Assessment: **None**

12.6 **Other adverse effects**  
- Adverse effects: **None**

**SECTION 13: Disposal considerations**

13.1 **Waste treatment methods**  
- Disposal: **None**

13.2 **Other disposal considerations**  
- Disposal: **None**

13.3 **Environmental fate**  
- Fate: **None**

13.4 **UPP information**  
- UPP: **None**

13.5 **Transport hazard class**  
- Class: **None**

13.6 **Shipping group**  
- Group: **None**

13.7 **Environmental hazards**  
- Hazards: **None**

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**SECTION 4: First-aid measures**

4.1 **Description of first-aid measures**  
General notes:  
- Inhalation: **Remove to fresh air. If breathing is difficult, administer oxygen. If breathing is very difficult, administer oxygen by mask.**  
- Eye contact: **Rinse with plenty of water for at least 15 minutes. Hold eyelids open.**  
- Skin contact: **Wash with plenty of water.**

4.2 **Most important symptoms and effects, both acute and delayed**  
- Acute: **None**  
- Delayed: **None**

4.3 **Indication of any immediate medical attention and special treatment needed**  
- Indication: **None**

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**SECTION 5: Fire-fighting measures**

5.1 **Extinguishing media**  
- Extinguishing media: **Water spray, CO2 powder, Carbon dioxide (CO2)**

5.2 **Special hazards arising from the substance or mixture**  
- Hazards: **None**

5.3 **Advice for firefighters**  
- Advice: **None**

**SECTION 6: Accidental release measures**

6.1 **Personal protection, protective equipment and emergency procedures**  
- Protection: **None**

6.2 **Environmental precautions**  
- Precautions: **None**

6.3 **Methods and material for containment and cleaning up**  
- Methods: **None**

6.4 **Reference to other sections**  
- Reference: **None**

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**SECTION 9: Physical and chemical properties**

9.1 **Information on basic physical and chemical properties**  
Appearance: **None**  
Color: **None**  
Odor: **None**

9.2 **Ecological information**  
- Ecological information: **None**

9.3 **Other safety parameters**  
- Parameters: **None**

9.4 **Transport in bulk according to Annex II of MARPOL and the IBC Code**  
- Transport: **None**

9.5 **Information for each of the UN Globally Harmonized System of Classification and Labeling of Chemicals (GHS)**  
- Information: **None**

9.6 **International Maritime Organization (IMO) Code (IMDG)**  
- Code: **None**

9.7 **International Civil Aviation Organization (ICAO-TA/OTDR)**  
- Code: **None**

9.8 **Regulatory information**  
- Regulatory information: **None**

9.9 **Safety, health and environmental regulations specific for the product in question**  
- Regulations: **None**

9.10 **Chemical stability**  
- Stability: **None**

9.11 **Possibility of hazardous reactions**  
- Reactions: **None**

9.12 **Conditions to avoid**  
- Conditions: **None**

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**SECTION 14: Transport information**

14.1 **UN number**  
- UN number: **None**

14.2 **Transport hazard class**  
- Class: **None**

14.3 **Shipping group**  
- Group: **None**

14.4 **Environmental hazards**  
- Hazards: **None**

**SECTION 15: Other information**

15.1 **Abbreviations and acronyms**  
- Abbreviations: **None**

15.2 **Key literature references and sources for data**  
- References: **None**

15.3 **Classification procedure**  
- Classification: **None**

15.4 **List of relevant phrases (code and full text as stated in chapter 2 and 3)**  
- Phrases: **None**

15.5 **Disclaimer**  
- Disclaimer: **None**

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**SECTION 16: Other safety parameters**

16.1 **Stability**  
- Stability: **None**

16.2 **Reactivity**  
- Reactivity: **None**

16.3 **Chemical stability**  
- Stability: **None**

16.4 **Conditions to avoid**  
- Conditions: **None**

16.5 **Other information**  
- Information: **None**

16.6 **Right to know Hazardous Substances List**  
- List: **None**

16.7 **Right to know Hazardous Substances List**  
- List: **None**

16.8 **Right to know Hazardous Substances List**  
- List: **None**

16.9 **Right to know Hazardous Substances List**  
- List: **None**

16.10 **Right to know Hazardous Substances List**  
- List: **None**

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**SECTION 17: Other safety parameters**

17.1 **Stability**  
- Stability: **None**

17.2 **Reactivity**  
- Reactivity: **None**

17.3 **Chemical stability**  
- Stability: **None**

17.4 **Conditions to avoid**  
- Conditions: **None**

17.5 **Other information**  
- Information: **None**

17.6 **Right to know Hazardous Substances List**  
- List: **None**

17.7 **Right to know Hazardous Substances List**  
- List: **None**

17.8 **Right to know Hazardous Substances List**  
- List: **None**

17.9 **Right to know Hazardous Substances List**  
- List: **None**

17.10 **Right to know Hazardous Substances List**  
- List: **None**

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**SECTION 18: Other safety parameters**

18.1 **Stability**  
- Stability: **None**

18.2 **Reactivity**  
- Reactivity: **None**

18.3 **Chemical stability**  
- Stability: **None**

18.4 **Conditions to avoid**  
- Conditions: **None**

18.5 **Other information**  
- Information: **None**

18.6 **Right to know Hazardous Substances List**  
- List: **None**

18.7 **Right to know Hazardous Substances List**  
- List: **None**

18.8 **Right to know Hazardous Substances List**  
- List: **None**

18.9 **Right to know Hazardous Substances List**  
- List: **None**

18.10 **Right to know Hazardous Substances List**  
- List: **None**

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**SECTION 19: Other safety parameters**

19.1 **Stability**  
- Stability: **None**

19.2 **Reactivity**  
- Reactivity: **None**

19.3 **Chemical stability**  
- Stability: **None**

19.4 **Conditions to avoid**  
- Conditions: **None**

19.5 **Other information**  
- Information: **None**

19.6 **Right to know Hazardous Substances List**  
- List: **None**

19.7 **Right to know Hazardous Substances List**  
- List: **None**

19.8 **Right to know Hazardous Substances List**  
- List: **None**

19.9 **Right to know Hazardous Substances List**  
- List: **None**

19.10 **Right to know Hazardous Substances List**  
- List: **None**