

## Safety Data Sheet

Prepared in accordance with  
OSHA Hazard Communication Standard (29 CFR 1910.1200)

# Tristel



LABORATORIES, INC.

### Section 1: Identification

<b>1.1: Product Name</b>	Tristel ULT Working Solution
<b>1.2: Intended Use</b>	Disinfectant. For professional use only.
<b>1.3: Restrictions of Use</b>	Uses other than those recommended
<b>1.4: Manufactured by/for</b>	Tristel Solutions Limited, Unit 1B, Lynx Business Park, Fordham Road, Snailwell, Newmarket, Cambridgeshire, CB8 7NY, United Kingdom
<b>1.5: Distributed in the USA by</b>	Parker Laboratories Inc., 286 Eldridge Road, Fairfield, New Jersey 07004, United States
<b>1.6: In Case of Emergency</b>	1-800-631-8888

### Section 2: Hazard(s) Identification

<b>2.1: Product Hazard Category</b>	This mixture is NOT considered hazardous according to the OSHA Hazard Communication Standard (29 CFR 1910.1200)
<b>2.2: Label Content</b>	Not a hazardous mixture
<b>2.3 Other Hazards</b>	Hazards Not Otherwise Classified (HNOC): None known

### Section 3: Composition/Information on Ingredients

<b>3.1: Substance</b>	Not applicable	
<b>3.2: Mixture</b>		
<b>Component</b>	<b>CAS Number</b>	<b>Concentration</b>
Chlorine Dioxide	10049-04-4	<1%
The exact composition/components have been withheld due to trade secret.		

### Section 4: First Aid Measures

<b>4.1: Description of First Aid Measures</b>	Due to the composition and type of the substances present in the product, no particular warnings are necessary.
<b>4.1.1: General Advice</b>	Seek medical attention/advice if you feel unwell.
<b>4.1.2: Eye Contact</b>	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.

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<b>4.1.3: Inhalation</b>	Remove person to fresh air and keep comfortable for breathing.
<b>4.1.4: Skin Contact</b>	Rinse skin immediately with plenty of water for 15-20 minutes
<b>4.1.5: Ingestion</b>	If accidentally ingested, seek immediate medical attention. Rinse mouth. Do NOT induce vomiting unless told to do so by the poison center or doctor. Do NOT give anything by mouth to an unconscious person.
<b>4.2: Most important health effects, both acute and delayed</b>	Irritation to eyes and skin may be possible
<b>4.3: Indication of immediate medical attention and special treatment</b>	In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious.

### Section 5: Fire-Fighting Measures

<b>5.1: Suitable Extinguishing Media</b>	Use suitable media for the surrounding fire.
<b>5.2: Specific hazard arising from the product</b>	Toxic fumes can be emitted during combustion.
<b>5.3: Special protective equipment for fire fighters</b>	According to the size of the fire, it may be necessary to use protective suits against the heat, self-contained breathing equipment, gloves, protective goggles or facemasks.

### Section 6: Accidental Release Measures

<b>6.1: Personal precautions, protective equipment and emergency procedures</b>	Use protective gloves/clothing/eye wear.
<b>6.2: Environmental precautions</b>	Product is not classified as environmentally hazardous, avoid spillage as much as possible. Flush with copious amounts of water into drain.
<b>6.3: Methods and materials for containment and cleaning up</b>	Contaminated area should be cleaned up with absorbent materials such as dry earth or sand and transferred to a sealable labelled container. Dispose of contaminants in accordance with existing federal state, provincial and or local environmental control laws.

### Section 7: Handling and Storage

<b>7.1: Precautions for safe handling</b>	This product does not require special handling measures, the following general measures are recommended.
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<b>7.2: Protective measures</b>	Use appropriate personal protective equipment as needed including, but not limited to, long sleeve shirts, long pants, waterproof gloves, closed toe shoes and protective eye wear. Never use pressure to empty the containers. No smoking, eating or drinking allowed when using this product. Wash hands before breaks and at the end of work shift. Avoid contact with skin and eyes. Containers, even those that have been emptied will retain product residues or vapours. Always obey hazard warnings and handle empty containers as if they were full. Follow legislation in occupational health and safety. Always keep the product in original containers.
<b>7.3: Conditions for safe storage</b>	Store in a cool, well-ventilated area. Keep containers tightly closed. Store away from children. In case of spillage, flood areas with large amounts of water.

### Section 8: Exposure Controls/Personal Protection

<b>8.1: Occupational Exposure Limits</b>	<b>ACGIH (TLV)</b>	<b>NIOSH (REL)</b>	<b>OSHA (PEL)</b>
	Chlorine Dioxide: TWA = 0.1ppm (0.3mg/m <sup>3</sup> ) STEL = 0.3ppm (0.9mg/m <sup>3</sup> )	Chlorine Dioxide: TWA = 0.1ppm (0.3mg/m <sup>3</sup> ) STEL = 0.3ppm (0.9mg/m <sup>3</sup> )	Chlorine Dioxide: TWA = 0.1ppm (0.3mg/m <sup>3</sup> )
<b>8.2: Exposure Controls</b>	<b>Protective Measures</b>		<b>Appropriate Engineering Controls</b>
	Provide adequate ventilation, which can be achieved by using local exhaust ventilation (LEV) and a good general exhaust system. If the recommended technical measures are observed, no individual protective equipment is required.		General industrial hygiene practices.
<b>8.3: Personal Protection</b>	Use appropriate personal protective equipment for surrounding hazards. No specific protective equipment is required for this mixture.		
<b>8.3.1: Eye/Face Protection</b>	Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH.		
<b>8.3.2: Skin Protection</b>	Wear protective gloves. Use proper glove removal technique to avoid skin contact.		
<b>8.3.3: Body Protection</b>	Choose body protection appropriate to the concentration and exposure and to the workplace environment.		
<b>8.3.4: Respiratory Protection</b>	Not required. In case of insufficient ventilation, wear suitable respiratory equipment. NIOSH approved, air purifying organic vapour respirator.		
<b>8.3.5: Hygiene Measures</b>	Wash hands, forearms thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the		

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	working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
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### Section 9: Physical and Chemical Properties

<b>Appearance:</b>	
<b>Physical State</b>	Yellow liquid
<b>Odor</b>	Chlorine like odor
<b>Odor threshold</b>	No information available
<b>Other Properties:</b>	
<b>pH</b>	No information available
<b>Melting point/freezing point</b>	No information available
<b>Initial boiling point and boiling point range</b>	No information available
<b>Flash point</b>	No information available
<b>Evaporation rate</b>	No information available
<b>Flammability (solid, gas)</b>	No information available
<b>Upper/lower flammability or explosive limits</b>	No information available
<b>Vapor pressure</b>	No information available
<b>Vapor density</b>	No information available
<b>Relative density</b>	No information available
<b>Solubilities</b>	No information available
<b>Partition coefficient (n-octanol/water)</b>	No information available
<b>Auto-ignition temperature</b>	No information available
<b>Decomposition temperature</b>	No information available
<b>Viscosity (kinematic)</b>	No information available

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### Section 10: Stability and Reactivity

<b>10.1: Reactivity</b>	The product does not present hazards by its reactivity.
<b>10.2: Chemical Stability</b>	Stable under the recommended storage conditions.
<b>10.3: Possibility of hazardous reactions</b>	Hazardous reactions will not occur under normal transport or storage conditions.
<b>10.4: Conditions to avoid</b>	Heat.
<b>10.5: Incompatible materials</b>	Strong acids and oxidizing agents.
<b>10.6: Hazardous decomposition products</b>	In combustion emits toxic fumes.

### Section 11: Toxicological Information

<b>Information on the likely routes of exposure:</b> Dermal contact, eye contact, inhalation and ingestion.	
<b>11.1: Potential acute health effects</b>	
<b>11.1.1: Eye contact</b>	Possible eye irritation
<b>11.1.2: Inhalation</b>	Possible irritation of the respiratory tract.
<b>11.1.3: Skin contact</b>	Possible skin irritation.
<b>11.1.4: Ingestion</b>	Possible irritation of the digestive tract.
<b>11.2: Potential chronic health effects</b>	
<b>11.2.1: Short term exposure: Potential immediate effects</b>	None known.
<b>11.2.2: Long term exposure: Potential delayed effects</b>	Not available.
<b>11.2.3: Long term exposure: General</b>	No known significant effects or critical hazards
<b>11.2.4: Long term exposure: Carcinogenicity</b>	No known significant effects or critical hazards
<b>11.2.5: Long term exposure: Mutagenicity</b>	No known significant effects or critical hazards
<b>11.2.6: Long term exposure: Teratogenicity</b>	No known significant effects or critical hazards
<b>11.2.7: Long term exposure: Developmental effects</b>	No known significant effects or critical hazards
<b>11.2.8: Long term exposure: Fertility effects</b>	No known significant effects or critical hazards
<b>11.3: Information on toxicological effects</b>	

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<b>11.3.1: Acute toxicity</b>				
<b>Substance/Mixture</b>	<b>Route</b>		<b>Result</b>	
Chlorine Dioxide – 100%	Oral		292mg/kg	
Working Solution	Oral		>2000mg/kg	
<b>11.3.2: Irritation/Corrosion</b>				
<b>Route</b>	<b>Results</b>		<b>Classification</b>	
Skin Irritation	OECD 404 – Slight erythema		Slight irritant	
<b>11.3.3: Sensitization</b>	Not a skin sensitizer – ISO 10993-10			
<b>11.4.1: Chronic toxicity</b>	No data available			
<b>11.4.2: Germ cell mutagenicity</b>	Non-Mutagenic – OECD 471			
<b>11.4.3: Reproductive toxicity</b>	No data available			
<b>11.4.4: Specific target organ toxicity (single exposure)</b>	Not classified			
<b>11.4.5: Specific target organ toxicity (repeated exposure)</b>	Not classified			
<b>11.4.6: Aspiration hazard:</b>	Not classified			
<b>11.4.7: Carcinogenicity</b>	<b>IARC</b>	<b>ACGIH</b>	<b>NTP</b>	<b>OSHA</b>
	No component of this product is present at levels greater than or equal to 0.1% is identified probable, possible or confirmed carcinogen	No component of this product is present at levels greater than or equal to 0.1% is identified probable, possible or confirmed carcinogen	No component of this product is present at levels greater than or equal to 0.1% is identified probable, possible or confirmed carcinogen	No component of this product is present at levels greater than or equal to 0.1% is identified probable, possible or confirmed carcinogen

## Section 12: Ecological Information

<b>12.1: Ecotoxicity</b>	Not environmentally hazardous.
<b>12.2: Persistence and degradability</b>	No data available.
<b>12.3: Bioaccumulation</b>	No bioaccumulation potential.
<b>12.4: Mobility in soil</b>	Readily absorbed into soil. Not classified as environmentally hazardous.
<b>12.5: Other adverse effects</b>	No data available.

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### Section 13: Disposal Considerations

<b>13.1: Disposal Methods</b>	To avoid waste, use all material in the container by application according to label directions. If waste cannot be avoided, offer remaining product to a waste disposal facility.
<b>13.2: Container Handling</b>	Non-refillable container. Do not reuse or refill container. Clean container promptly after emptying. Then send for recycling if available or dispose of in a sanitary landfill, or by incineration.

### Section 14: Transport Information

Regulatory Information	UN Number	Proper shipping name	Classes	Packing Group	Label	Additional Information
DOT (US)	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not classified as a hazardous material
IMDG	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not classified as a hazardous material
IARA-DGR	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not classified as a hazardous material
IATA	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not classified as a hazardous material

### Section 15: Regulatory Information

<b>15.1: US Federal Regulations</b>	
<b>SARA 311/312</b>	None
<b>SARA Title III Section 302 Extremely Hazardous Substances</b>	None
<b>SARA Title III Section 313 Toxic Chemicals</b>	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, section 313.

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### Section 16: Other Information

Date SDS Prepared: 31 May 2023

Version 1.0

#### Disclaimer:

The information provided in this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for the safe handling, use, processing, storage, transportation, disposal and release and is not considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

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