



RIDGEWOOD PUBLIC SCHOOLS FACILITIES PANDEMIC PLAN

Coronavirus Disease 2020 (COVID-19)

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INTRODUCTION

This Pandemic Plan for COVID-19 (Pandemic Plan) is an outline for Aramark’s primary pandemic management strategies. This Pandemic Plan provides resources and guidance on recommended actions. It also provides guidance on business continuity planning. This document contains the base response for all core Facilities operations.

The guidance in this Pandemic Plan is meant to be a planning tool. This Pandemic Plan will be updated as new information is received or becomes available. These updates will include the latest guidance from regulatory agencies and our strategic partners.

PRIMARY RESOURCES

- Specific Coronavirus questions can be sent to: coronavirusquestions@aramark.com
- Aramark’s dedicated Coronavirus web resources: Aramark Coronavirus resources
- Center for Disease Control (CDC) virus website: [CDC - Coronavirus](#)
- Supply Chain Coronavirus update: Supply Chain Coronavirus
- Supply Chain Distribution Managers map: Supply Chain RDMs
- Safety & Risk Coronavirus resources: Safety & Risk Coronavirus
- Safety & Risk Contacts: Safety & Risk Contacts
- LOB Point of Contact (POC): Ron Mesaros; mesaros-ronald@aramark.com
- ARAMARK @ Ridgewood POC: Bielaszewski-Robert@ARAMARK.com

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COORDINATION & RESPONSIBILITIES

ARAMARK RESPONSE COMMITTEE (ARC)

The Aramark Response Committee (ARC) leads the strategy and coordination of all COVID-19 activities for the global organization. Their responsibilities are:

- Coordinate Aramark response to the COVID-19 outbreak, protecting the health and safety of our employees, clients, customers, and the public
- Monitor the impact of the COVID-19 outbreak
- Monitor the global situation, adopting best practice from experts (CDC, WHO, etc.)
- Proactively develop plans so we are prepared should the situation escalate

ARC representation includes Human Resources, Operations/OpX, Safety, Risk Management, Finance, Global Security, Legal/Compliance, Communications, and Supply Chain.

BUSINESS UNIT TASK FORCE

Each Line of Business President has activated a Business Unit Task Force to lead the Coronavirus communication, prevention, planning, and response activities within their business. Their responsibilities are:

- Ensure Pandemic Plans address the specific needs of the business unit, its employees, clients, and customers
- Represent the business in identifying critical needs for the ARC to address
- Cascade information to the business, collect feedback, and coordinate all site level needs

The Facilities Business Unit Task Force Leader is Ron Mesaros, VP Facilities Center of Excellence.

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POINTS OF CONTACT (POC)

Primary points of contact have been created at the LOB, Region, District and Account Levels to ensure alignment of strategies and resources.

The Account level POC, generally the General Manager, is primarily responsible for running their business based on client needs and executing the Pandemic Plan. Their responsibilities are:

- Become familiar with the Pandemic Plan and other resources published to <https://www.aramark.net/coronavirus>
- Customize the Pandemic Plan as needed to address specific client needs, including any client business continuity plan
- Stay up to date on new guidance disseminated by the ARC and LOB Taskforce
- Ensure existing SOPs are followed, in addition to the site-specific Pandemic Plan actions.

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PANDEMIC PLAN OVERVIEW

This Pandemic Plan is organized by categories of escalation – with appropriate action paths and mitigation activities targeted for each threat level.

- **Level One – Lowest Threat Level**
 - *i.e., no confirmed or suspected case in the facilities we operate in or nearby areas*
 - Enhanced emphasis on hygiene, sanitation and social distancing
- **Level Two – Imminent Threat Level**
 - *i.e., suspected case in the facilities we operate in*
 - Virus spread mitigation activities
- **Level Three – Highest Threat Level**
 - *i.e., confirmed case in the facilities we operate in*
 - Active quarantine, isolation, or remediation cleaning situations
 - Level 3 applies, at a minimum, to the impacted areas (e.g., the areas of the facility that an infected individual came into contact with).

The ARAMARK operational leadership team, in collaboration with Ridgewood Public Schools, may choose to escalate to a Level 2 or Level 3 procedure prior to experiencing a suspected or confirmed case in the facility. These guidelines are meant to act as a starting point.

Information is also included to address business continuity planning, including in the areas of supply chain, staffing, critical services and record keeping.

This Pandemic Plan is not designed to be all encompassing or to address every possible scenario. It is a planning tool and individual site customization is encouraged to ensure that the District's and customer needs are adequately addressed.

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LEVEL 1 (L1) ACTIVITIES – ENHANCED EMPHASIS ON HYGIENE & SANITATION

The activities in the section below are intended to enhance Aramark’s rigorous hygiene and sanitation standards as an extra level of security against virus transmission. These processes align with the CDC’s guidance for virus control to date.

L1: EMPHASIZE / RETRAIN HYGIENE STANDARDS

Daily training on Pandemic Plan Health and Hygiene standards should be included in all pre-shift meetings. Any visiting support staff must be trained on all standards before working in the facility.

Employee Health

Employees who are experiencing any respiratory illness symptoms and a temp of 100.4 or above are not permitted to work and must be sent home (See also “L2: CONFIRM ARAMARK EMPLOYEE HEALTH PRIOR TO THEIR SHIFT” in Level 2).

Symptoms to watch for include:

- Persistent cough and/or sneezing
- Fever
- Shortness of breath or breathing difficulties

Employees must notify management if they believe they may have been in contact with an infected individual or if they have traveled to a country with significant COVID-19 cases (see [CDC list](#)).

Hand Hygiene

Hand hygiene is the most important tactic to prevent infection. Focus on reinforcing:

- Proper handwashing
- Avoiding touching mouth, nose and eyes
- Use of hand sanitizer

Hand Hygiene Resources: [CDC - Handwashing: Clean Hands Save Lives](#)

Respiratory Hygiene

Respiratory hygiene standards must also be strictly adhered to and enforced.

- Cover mouth with clean tissue when coughing or sneezing. Dispose of tissue immediately and wash hands.
- When tissues are not available, cough into bend of elbow. Not hands.
- Wear masks at all times.

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Hygiene standards should be reinforced with your employees on a weekly, if not daily, basis. Post these work aids in visible locations (e.g., near bulletin board, time clocks)

L1: ADDITIONAL MONITORING OF HYGIENE STANDARDS

In addition to training on hygiene standards, all managers and supervisors will commit to active monitoring and coaching to reinforce the hygiene standards. Including the use of the Go-Spot-Check quality assurance tool.

Managers and supervisors will conduct hygiene spot-check audits a minimum of 5 times per shifts, delivering feedback (positive and constructive) during each walkthrough. Use the following spot check techniques:

- Ensure there is no food or beverage or unauthorized products on custodial cart
- Gloves are worn during all cleaning times
 - Gloves must be changed between each room
 - If a glove rips or tears, dispose of gloves, wash hands and put on a new pair
- All employees must wash hands:
 - - Before and after breaks
 - - Before and after lunch
 - - End of day before leaving the facility

L1: PREVENTATIVE / PROACTIVE CLEANING PROCEDURES

We recognize that certain circumstances may require additional and/or altered cleaning activities during Level 1. You are encouraged to work closely with your client to discuss the need/desire to be more proactive and for increased tasks, frequencies, and alternative cleaning products.

Additional procedures include:

- Use, in succession, of Hospital Grade #64 disinfectant followed by Bioesque Botanical Disinfectant sprayed from Electrostatic spray gun on *High Touch Areas* within all spaces including classrooms, bathrooms and offices.
- Increased frequency of cleaning and disinfecting High Touch Areas
- Increased frequency of cleaning restrooms, locker rooms, and shower rooms
- Additional Personal Protective Equipment (PPE) as required.

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LEVEL 2 (L2) ACTIVITIES – IMMEDIATE THREAT MITIGATION OPTIONS

This section identifies actions that can potentially be implemented when the threat of COVID-19 transmission increases at a location (e.g., suspected case in the facilities that we operate in).

L2: REDUCE PERSON TO PERSON CONTACT

Social Distancing for Employees

- Modify the frequency and type of face-to-face employee encounters (e.g., no hand-shaking, substituting teleconferences for face-to-face meetings, staggering breaks)
- Adjust work spaces to maintain 6 foot spatial separation between individuals.
- Eliminate non-essential close-contact activities.

L2: CONFIRM ARAMARK EMPLOYEE HEALTH PRIOR TO THEIR SHIFT

Perform individual confirmation of employee health prior to starting their shift.

These measures may include:

- Standard observation of illness, as you would during normal operation
 - o Coughing, sneezing, wheezing, sweating, shivering
 - o So all staff employed or contracted by Ridgewood Public Schools way are being monitored in a consistent manner, ARAMARK at Ridgewood Public School employees will follow and use the district policy and procedures in this regard. This includes;
- Asking all employee standard questions to confirm the absence or presence of risk factors/symptoms:
 - o Are you experiencing fever, cough, or shortness of breath?
 - o Do you believe you have come into contact with an infected individual?
 - o Have you traveled to a country with significant COVID-19 cases (see [CDC list](#)) or have you had contact with someone who has?
- *If an employee answers one of these questions affirmatively, or is visibly ill, you should:*
 - o Tell the employee not to report to work, isolate them as quickly as possible and send him or her home;
 - o Seek guidance from Human Resources for next steps; and
 - o Report the situation to coronavirusquestions@aramark.com or the Aramark Employee Hotline.

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L2: EMPLOYEE EXCLUSION PROCEDURES

In a “Level 2” situation, it is likely you will need to exclude an employee from work on an ongoing basis; If you identify an employee who has risk factors for COVID-19, is displaying symptoms of COVID-19, show a fever of 100.4 or above or who believes that he or she may be infected or has been exposed, you must:

- send the employee home immediately;
- seek guidance from Human Resources for next steps on dealing with the affected employee; and
- report the situation to coronavirusquestions@aramark.com or the Aramark Employee Hotline.

Human Resources will assist you with navigating through multiple issues, including:

- whether the employee should be excluded from the workplace and for how long;
- whether/how the employee should be paid during the exclusion period;
- whether the employee can (or must) use vacation or PTO time while he or she is out;
- whether Labor Relations needs to be involved in the decision-making process; and
- what documentation is required before the employee is permitted to return to work.

The employee should maintain contact with the Account or Location Manager and inform of any change in condition.

L2: CLEANING AT LEVEL 2 – IMMEDIATE THREAT LEVEL

The following modified SpaceCare QL procedures shall be followed:

Ensure you have the following products on hand:

- Solutions #64 Neutral Disinfectant Cleaner
- Bioesque Botanical Disinfectant Solution
- Gloves
- Non N95 face masks
- Goggles

Daily Cleaning Procedure for Offices and Public Spaces:

- 5x per Week: First use Solution#72 to remove all body oils and visible soil. Then Utilize Solutions #64 Neutral Disinfectant Cleaner, Followed by Bioesque Botanical Disinfectant Solution from an Electrostatic spray Gun (AKA “three step cleaning method”)
 - Wipe down High Touch areas continually and a scheduled 2x a day and
 - Wipe down Trash Container one time at the end of the day

Daily Cleaning Procedure for Classrooms:

- 5x per Week: Using above referenced, *Three Step Cleaning Method* including; use Solution#72 to remove all body oils and visible soil. Then Utilize Solutions #64 Neutral Disinfectant Cleaner, Followed by Bioesque Botanical Disinfectant Solution from an Electrostatic spray Gun (AKA “three step cleaning method”)
 - Wipe down High Touch areas continually and a scheduled 2x a day and
 - Wipe down Trash Container one time at the end of the day

Daily Cleaning Procedure for Restrooms:

- Follow the SpaceCare QL Restroom Procedures utilizing the *Three Step Cleaning Method*.
- Floor will be cleaned with #64 Neutral Disinfectant Cleaner.
- In addition to standard SpaceCare QL Restroom procedures:
 - High Touch Areas will be wiped down 2 per day with #64 Neutral Disinfectant Cleaner:
 - + 2 hours: High Touch Areas
 - + 4 Hours: (when school is in full day sessions. High Touch Area
 - End of Day – Final Clean Procedure, *Three Step Cleaning Method*

End of Shift Procedures

It is important to disinfect your cart and cleaning tools at the beginning and end of every shift.

- Cart Maintenance - Wipe down cart and tools with #64 Neutral Disinfectant Cleaner.

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High Touch Checklist General Area and Restroom

Updated 3.2020

High Touch Surfaces are defined as a surface or object which is touched or handled frequently by the building occupants and visitors. Below are examples of potentially highly contaminated surfaces that must not be overlooked or minimized in a cleaning program. If not properly cleaned and sanitized, these touch points can serve to spread disease from one person to another. In fact, it is impossible to have a healthy building if High Touch Surfaces are not emphasized.

The key to minimizing the spread of disease is to clean and sanitize these surfaces frequently.

Facility:	Surface
Sanitize high touch areas:	Doorknobs/handles
	Door Push Plates and Crash Bars
	Arms on Chairs
	Back of Chairs
	Phones
	Desk and Tabletops and edges
	Countertop
	Light switches and room controls
	Furniture
	Cabinet and Drawer Handles
	Elevator Buttons
	Vending Machines
	Drinking Fountains
	Microwave
	Refrigerator Handles
Computer Equipment and Keyboards	
Sanitize Restroom, Locker Room, Shower Room high touch surfaces including:	Restroom doorknobs and handles
	Toilet horizontal surface/seat
	Toilet lever/flush
	Faucet (at sink)
	Sink Surfaces
	Dispenser buttons/levers
	Partition Handles, locks and doors
	Light Switches
	Handrails
Specialty Area high touch (Labs, Equipment Rooms, Athletic Areas, Event Areas)	Training rooms

Computer Screens, keyboards and equipment – verify cleaning product compatibility.

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LEVEL 3 (L3) ACTIVITIES – ACTIVE QUARANTINE/INFECTION SITUATION

This section identifies actions to be implemented when there is a confirmed case of COVID-19 in the facilities that Aramark operates in. Level 3 applies, at a minimum, to the impacted areas (e.g., the areas of the facility that an infected individual came into contact with).

L3: PREPARING FOR POTENTIAL PARTIAL OR FULL LOCATION CLOSURE

In a “Level 3” situation, you may need to close all your locations, a single location, or a portion of a location. This is a decision that must be made with the support of your manager in conjunction with the School District.

For example, a portion of a facility must be temporarily closed if an infected individual comes into contact with the location.

- The location may re-open once it has been cleaned per Level 3 cleaning procedures
- The impacted portion of the facility is the portion that the infected individual has come into contact with. This is a decision that should be made with your client.

In a “Level 3” situation, your client may request that you close or repurpose a portion of the facility; this is a decision that must be made with the support of your manager.

- Review the site closure checklist in preparation for potential closure. This checklist addresses employee safety, inventory, and many other critical considerations to handle the unexpected closure of a location.

L3: CLEANING/DECONTAMINATION/REMEDIATION

Level 3 cleaning is a time-dependent response plan, and the following actions and timeframes start when the space is cleared of all confirmed or suspected COVID-19 infected persons.

Less than 24 hours

- Time starts from last affected person's presence in the environment.
- No employees to enter space until after 24 hours.
- To secure 3rd Party Cleaning Services, send an email to Facilities Business Performance team at: FacilitiesBusinessPerformance@aramark.com with the following information:
 - Contact Name, must be an Aramark Employee
 - Contact Phone Number
- All emails will receive a response in 30 minutes or less to start the request process. In an emergency, or for any after hour requests, please call Mike Lind at 917-921-3664.

Between 24 hours and 72 hours

- Outsource to approved providers, **OR**
- Self-perform following CDC guidance. This includes:
 - Close off areas used by the affected persons and wait as long as practical before beginning cleaning and disinfection, minimum 24 hours.
 - Open outside doors and windows to increase air circulation in the area, at least 24 hours before beginning cleaning.
 - Cleaning staff should wear disposable gloves and gowns for all tasks in the cleaning process. No masks or N95 respirators are required.
 1. Follow a Level 3 Enhanced SpaceCare QL Cleaning Procedures: Clean and disinfect all high touch areas and floors. This will help kill any residue virus on surfaces (kill time 1 minute).
Training Resources: 24-72 Hours - L3 SpaceCare Enhanced Cleaning Procedures
 - Gloves should be removed after cleaning a room or area occupied by affected persons.
 - Wash/Clean hands immediately after gloves are removed (alcohol-based hand sanitizer is acceptable where no handwashing is available).
- **After 72 Hours** – Follow the Level 3 Modified SpaceCare QL Cleaning Procedures for cleaning protocol, products and personal protective equipment.
Training Resources: 72+ Hours - L3 SpaceCare Modified Cleaning Procedures

Note: Level 3 is a one-time cleaning. After the affected space has been cleaned, revert to Level 1 or Level 2 cleaning, depending on the threat level.

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BUSINESS CONTINUITY PLANNING

ARAMARK COMMUNICATIONS

Aramark Coronavirus Website

- Refer to the Aramark Coronavirus Website (<https://www.aramark.net/coronavirus>) for additional information and communications. For instance, the website contains supplemental LOB resources, FAQs and LOB bulletins. The website also contains links to documents to assist you with changing the scope of work at your site, establishing a site temporary closedown plan and site reopening plan.

Aramark Daily Communications

- Aramark sends daily communications to LOB Leads and other POCs about COVID-19 updates.

SUPPLY CHAIN

Supply Chain Emergency Response Protocols

- Supplier and distributor partners are required to have contingency/emergency preparedness plans in place.
- Supply Chain helps coordinate emergency supplies and escalates critical needs.
- Shelters, first responder locations, Healthcare, Educational, and Correctional facilities are prioritized.
- Supply Chain gathers contingency updates from all supplier and distributor partners:
 - Provides email updates with emergency resources to LOB leadership for cascading to the field.
 - Depending on severity and impact, hosts conference calls with Vertiv, North American, and Aramark LOB leadership.
 - LOB presidents are provided regular updates related to operational impact.
 - Supplier and distributor partners are required to communicate directly with affected locations.

Emergency Inventories

- Aramark is working closely with our suppliers and distributors to establish inventory of the most critical cleaning products to help support the most critical needs of our client locations. At this time, we have (or will soon have) additional inventory strategically placed at 4 locations in:
 - Philadelphia
 - Atlanta
 - Dallas
 - Los Angeles

Protective Masks

- Facemasks must always be used by all staff while on Ridgewood Pubic School property to help prevent the spread of the disease to others. Staffing needs & Scenarios

Contingency plans for variability in staff availability are necessary to ensure service continuity.

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Staffing Accessibility

- Cross-utilize office and support staff for service roles as needed and are properly trained in Aramark procedures and training is documented.
- Coordinate with Aramark accounts from other LOBs in the area to share resources
- For Facilities, consider reducing the following procedures:
 - Full cleaning of floors in nonpublic areas
 - Windows
 - High Dusting
 - Project Work

CRITICAL SERVICES

Identify critical activities (i.e. key elements of your business that must be maintained)

Review the likely impact of a pandemic on your clients' requirements, for example, increased demand for hygiene & cleaning products and services, reduced service demand due to absenteeism among client workforce.

Determine the extent to which your business could operate in a pandemic event and what service modifications would be required, for example, reduced or non-availability of supplies/ services, high absenteeism.

Utilize the COVID-19 Pandemic Planning Checklist.

Date: January 7 2014

SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION

Product identifier used on the label: Enviro-Solutions 64H Neutral Disinfectant Cleaner

Other means of Identification: ES64H

Recommended use of the chemical and restrictions on use: For professional use only.

Manufacturer/Supplier:

Charlotte Products Ltd.

Address:

2060 Fisher Dr.
Peterborough, On K9J 8N4

Telephone: 705-740-2880

Fax: 705-745-1239

24 Hr. Emergency Tel. #: Chemtrec 1-800-424-9300 (North America) 1-703-527-3887 (International)

SECTION 2 - HAZARDS IDENTIFICATION

Classification of the chemical:

Skin Corrosion/Irritation 1

Eye Damage/Irritation 1

Specific Target Organ Toxicity 3 – Respiratory Irritant

Label elements:

Signal Word: Danger

Hazard statement(s)

H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
H336	May cause respiratory irritation Or May cause drowsiness or dizziness

Precautionary statement(s)

P260	Do not breathe dust/fume/gas/mist/vapours/spray
P264	Wash exposed areas thoroughly after handling
P271	Use only outdoors or in a well-ventilated area
P280	Wear protective gloves/protective clothing/eye protection/face protection

If swallowed: Rinse mouth. Do NOT induce vomiting. Immediately call a poison center or doctor/physician.

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs get medical advice/attention. Wash contaminated clothing before reuse.

If inhaled: Remove person to fresh air and keep comfortable for breathing. Immediately call a poison center or doctor/physician.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor/physician.

Hazard pictogram(s)



Other hazards not otherwise classified: None Known

Unknown Acute Toxicity: 6.78%

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name, Common Name & Synonyms:	CAS #	Concentration %
TETRASODIUM EDTA	13235-36-4	1-5
Alkyl dimethyl benzyl ammonium chloride (32%), Octyl dimethyl ammonium chloride (24%), Didecyl dimethyl ammonium chloride (12%), Dioctyldimethylammonium chloride (12%), Ethanol (10%), Free amines(<1.4%)	68424-85-1, 32426-11-2, 7173-51-5, 5538-94-3, 64-17-5, Proprietary	3-7

**** If the chemical name/CAS # is "proprietary" and/or the weight % is shown as a range, this information had been withheld as a trade secret.**

SECTION 4 - FIRST-AID MEASURES

Description of first aid measures:

If swallowed: Rinse mouth. Do NOT induce vomiting. Immediately call a poison center or doctor/physician.

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs get medical advice/attention.

If inhaled: Remove person to fresh air and keep comfortable for breathing. Immediately call a poison center or doctor/physician.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor/physician.

Most Important symptoms and effects, both acute and delayed: Causes severe skin burns and eye damage. Causes serious eye damage. May cause respiratory irritation or may cause drowsiness or dizziness. May cause damage to organs through prolonged or repeated exposure.

Indication of any immediate medical attention and special treatment needed: Treat symptomatically

SECTION 5 - FIRE-FIGHTING MEASURES

Extinguishing media:

Suitable extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media: Not determined

Special hazards arising from the substance or mixture: None known

Flammability classification: Not flammable

Hazardous combustion products: Carbon oxides, oxides of phosphorus other unidentified organic compounds.

Special protective equipment and precautions for firefighters:

Protective equipment for fire-fighters: Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode.

Special fire-fighting procedures: Move containers from fire area if safe to do so. Cool closed containers exposed to fire with water spray. Do not allow run-off from firefighting to enter drains or water courses. Dike for water control.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: All persons dealing with the clean-up should wear the appropriate chemically protective equipment. Keep people away from and upwind of spill/leak. Restrict access to area until completion of clean-up. Refer to protective measures listed in sections 7 and 8.

Methods and material for containment and cleaning up: Do not allow material to contaminate ground water system. If necessary, dike well ahead of the spill to prevent runoff into drains, sewers, or any natural waterway or drinking supply. Ventilate the area. Prevent further leakage or spillage if safe to do so. Soak up with inert absorbent material. Do not use combustible absorbents, such as sawdust. Pick up and transfer to properly labeled containers. Contaminated absorbent material may pose the same hazards as the spilled product. Contact the proper local authorities.

Special spill response procedures: In case of a transportation accident, contact Infotrac 1-800-535-5053 (North America), 011-1-352-323-3500 (International). If a spill/release in the US in excess of the EPA reportable quantity is made into the environment, immediately notify the national response center in the United States (phone: 1-800-424-8802).

SECTION 7 - HANDLING AND STORAGE

Precautions for safe handling: Handle in accordance with good industrial hygiene and safety practice. Use protective equipment recommended in section 8. Avoid contact with skin, eyes or clothing. Do not breathe dust/fume/gas/mist/vapors/spray. Wash face, hands, and any exposed skin thoroughly after handling.

Conditions for safe storage: Keep container tightly closed and store in a cool, dry and well-ventilated place. Store locked up. Keep out of reach of children.

Incompatible materials: Oxidizing agents. Do not mix with other chemicals or cleaners

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Limits:					
Chemical Name	CAS #			OSHA PEL	
				TWA	STEL
TETRASODIUM EDTA	13235-36-4				
Alkyl dimethyl benzyl ammonium chloride (32%), Octyl dimethyl ammonium chloride (24%), Didecyl dimethyl ammonium chloride (12%), Dioctyldimethylammonium chloride (12%), Ethanol (10%), Free amines(<1.4%)	68424-85-1, 32426-11-2, 7173-51-5, 5538-94-3, 64-17-5, Proprietary		1000 ppm (Ethanol)	1000 ppm (Ethanol)	

Exposure controls:

Ventilation and engineering measures: Use only in well-ventilated areas. Apply technical measures to comply with the occupational exposure limits. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. In case of insufficient ventilation wear suitable respiratory equipment.

Respiratory protection: If airborne concentrations are above the permissible exposure limit or are not known, use NIOSH-approved respirators. Respirators should be selected based on the form and concentration of contaminants in air, and in accordance with OSHA (29 CFR 1910.134). Advice should be sought from respiratory protection specialists.

Skin protection: Wear protective gloves. Where extensive exposure to product is possible, use resistant coveralls, apron and boots to prevent contact. The suitability for a specific workplace should be discussed with the producers of the protective regimes.

Eye face protection: Wear eye/face protection. Wear as appropriate tightly fitting safety goggles; Safety glasses with side-shields.

Other protective equipment: Ensure that eyewash stations and safety showers are close to the workstation location. Other equipment may be required depending on workplace standards.

General hygiene considerations: Do not breathe vapours or spray mist. Avoid contact with skin, eyes and clothing. Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly after handling. Remove and wash contaminated clothing before re-use. Handle in accordance with good industrial hygiene and safety practice.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear green liquid

Odor: Fresh

Odor threshold: No applicable information available

pH: 6-7

Melting/Freezing point: No applicable information available

Initial boiling point and boiling range: 100 C

Flash point: None to boiling

Flashpoint (Method): No applicable information available

Evaporation rate (BuAe = 1): Similar to water

Flammability (solid, gas): Not flammable

Lower flammable limit (% by vol.): Not Flammable

Upper flammable limit (% by vol.): Not Flammable

Vapor pressure: No applicable information available

Vapor density: No applicable information available

Relative density: No applicable information available

Solubility in water: Soluble

Other solubility(ies): No applicable information available

Partition coefficient: No applicable information available

Auto ignition temperature: No applicable information available

Decomposition temperature: No applicable information available

Viscosity: Water thin.

Volatile organic Compounds (%VOC's): No applicable information available

Other physical/chemical comments: No applicable information available

SECTION 10 - STABILITY AND REACTIVITY

Reactivity: Not normally reactive

Chemical stability: Stable

Possibility of hazardous reactions: No hazardous polymerization

Conditions to avoid: Keep out of reach of children. Do not use in areas without adequate ventilation. Avoid contact with incompatible materials.

Incompatible materials: Fluorine, strong oxidizing or reducing agents, bases, metals, sulfur trioxide, phosphorus pentoxide

Hazardous decomposition products: None known. Refer to 'Hazardous Combustion Products' in Section 5

SECTION 11 - TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Routes of entry - inhalation: Avoid breathing vapors or mists

Routes of entry - skin & eye: Avoid contact with skin or eyes

Routes of entry - Ingestion: Do not taste or swallow

Potential Health Effects:

Signs and symptoms of short term (acute) exposure:

Symptoms: Please see section 4 of this SDS sheet for symptoms.

Potential Chronic Health Effects:

Mutagenicity: Not expected to be mutagenic in humans.

Carcinogenicity: This product contains ethanol which is known to be a carcinogen when consumed orally; there is no evidence to suggest ethanol is carcinogenic as used in this product.

Reproductive effects: No applicable information available

Sensitization to material: No applicable information available

Specific target organ effects: No data available to indicate product or components will have specific target organ effects.

Medical conditions aggravated by overexposure: Preexisting skin, eye or respiratory conditions

Toxicological data:

See the following table for individual ingredient acute toxicity data.

Chemical name	CAS #	LD₅₀ (Oral, rat)	LD₅₀ (Dermal. Rabbit)	LC₅₀ (4hr, Inhal., rat)
TETRASODIUM EDTA	13235-36-4	3030	5001	
Alkyl dimethyl benzyl ammonium chloride (32%), Octyl dimethyl ammonium chloride (24%), Didecyl dimethyl ammonium chloride (12%), Dioctyldimethylammonium chloride (12%), Ethanol (10%), Free amines(<1.4%)	68424-85-1, 32426-11-2, 7173-51-5, 5538-94-3, 64-17-5, Proprietary			

*All empty cells no applicable information available

Other important toxicological hazards: None reported.

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity: May be dangerous for the environment. No data is available on the product itself. Should not be released into the environment.

Persistence and degradability: No applicable information available

Bioaccumulation potential: No applicable information available.

Mobility in soil: No applicable information available.

Other Adverse Environmental effects: No applicable information available.

SECTION 13 - DISPOSAL CONSIDERATIONS

Handling for disposal: Handle in accordance with good industrial hygiene and safety practice. Refer to protective measures listed in sections 7 and 8. Empty containers retain residue (liquid and/or vapour) and can be dangerous.

Methods of disposal: Dispose in accordance with all applicable federal, state, provincial and local regulations. Contact your local, state, provincial or federal environmental agency for specific rules.

RCRA: If this product, as supplied, becomes a waste in the United States, it may meet the criteria of a hazardous waste UN defined under RCRA, Title 40 CFR 261. It is the responsibility of the waste generator to determine the proper waste identification and disposal method. For disposal of unused or waste material, check with local, state and federal environmental agencies.

SECTION 14 - TRANSPORTATION INFORMATION

Special Shipping Information: Keep from freezing.

T.D.G. Classification: Not regulated under T.D.G.

D.O.T. Classification: Not regulated under D.O.T.

SECTION 15 - REGULATORY INFORMATION

Occupational Health and Safety Regulations:

WHMIS 1988 Class: Product is registered under the Food and Drug Act.

US Federal Regulation: This product is a U.S. EPA registered pesticide.

OSHA & WHMIS: SDS prepared pursuant to the Hazard Communication Standard (CFR29 1910.1200) and Canadian WHMIS 2015 regulations (Controlled Products Regulations under the Hazardous Product Act).

Environmental Regulatory Lists:

SARA – Section 313 (Toxic Chemical Release Reporting) 40 CFR 372 – None of these ingredients are listed.

CERCLA – Section 102 (Reportable Quantity) 40 CFR 302 – None of these ingredients are listed.

RCRA 40CFR 261 (SUBPART D) – None of these ingredients are listed.

CLEAN WATER ACT – Section 311 (Reportable Quantity) 40 CFR 116 - None of these ingredients are listed.

CLEAN AIR ACT – Section 312 (List of Hazardous Air Pollutants) 40 CFR 63 (Subpart C) – None of these ingredients are listed.

National Pollutant Release Inventory – None of the ingredients are listed.

Toxic Substances Control Act (TSCA) – All the ingredients are registered on the Chemical Substance Inventory.

Canadian Domestic Substance List (DSL) – All the ingredients are registered on the DSL.

SECTION 16 - OTHER INFORMATION

Legend:

ACGIH: American Conference of Governmental Industrial Hygienists

CAS: Chemical Abstract Services

CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980

CFR: Code of Federal Regulations

CSA: Canadian Standards Association

DOT: Department of Transportation

ECOTOX: U.S. EPA Ecotoxicology Database

EINECS: European Inventory of Existing Commercial chemical Substances

EPA: Environmental Protection Agency

HSDB: Hazardous Substances Data Bank

IARC: International Agency for Research on Cancer

IUCLID: International Uniform Chemical Information Database

LC: Lethal Concentration

LD: Lethal Dose

NIOSH: National Institute of Occupational Safety and Health

NTP: National Toxicology Program

OECD: Organization for Economic Co operation and Development

OSHA: Occupational Safety and Health Administration

PEL: Permissible exposure limit

RCRA: Resource Conservation and Recovery Act

RTECS: Registry of Toxic Effects of Chemical Substances

SARA: Superfund Amendments and Reauthorization Act

SDS: Safety Data Sheet Material Safety Data Sheet

STEL: Short Term Exposure Limit

TOG: Canadian Transportation of Dangerous Goods Act & Regulations

TLV: Threshold Limit Values

TWA: Time Weighted Average

WHMIS: Workplace Hazardous Materials Identification System

DISCLAIMER

Information for this material safety data sheet was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of this supplier, it is assumed that users of this material have been fully trained accordingly to the mandatory requirements of GHS. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of, or reliance on, any information contained within this form.

END OF DOCUMENT

SAFETY DATA SHEET

SECTION 1 : PRODUCT IDENTIFICATION



Product Name : Bioesque Botanical Disinfectant Solution

Product Use : Surface Disinfectant

Scent: Lemongrass Grapefruit

Supplier: Natureal, LLC

Address: 150 East Palmetto Park Road, Suite 150, Boca Raton, FL 33432

Telephone: 954-895-7867

Emergency phone: (866) 898-0697

E-Mail: info@bioesquesolutions.com

Web site: www.bioesquesolutions.com

SECTION 2 : HAZARD IDENTIFICATION

WHMIS Class : Exempt

TSCA: All the ingredients are listed or exempt from listing on the Chemical Substance Inventory.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredients</u>	<u>CAS#</u>	<u>Wt %</u>	<u>TLV</u>	<u>LC₅₀</u>	<u>LD₅₀</u>
Thymol	89-83-8	0.23	N/A	N/A	980 mg/Kg (oral, rat)

SECTION 4 : FIRST AID MEASURES

Eye: Remove contact lenses. Rinse with plenty of water for several minutes, keeping eyelids open.

Skin: Rinse with water. Remove spoiled clothes and wash before wearing.

Inhalation : N/A

Ingestion: Seek medical attention if large quantities are ingested.

SECTION 5 : FIRE FIGHTING MEASURES

Flammability : No

Flash Point (ASTM D-93, °C) : >100

Hazardous Combustion Products: Carbon oxides, sulfur oxides.

Suitable extinguishing media: As per surrounding fire.

Special Fire Fighting Procedure: As per surrounding fire.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedure: Stop leak, Rinse to drain or absorb with non-reactive adsorbent and dispose according to existing federal, state, provincial and municipal regulations. Resume cleaning by rinsing with water.

SECTION 7 : HANDLING AND STORAGE

Handling: Follow standard safe handling of materials. Keep out of reach of children.

Storage Requirements: Keep in original tightly closed containers, in a room below 30 °C.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

Follow standard safe handling of materials.

SECTION 9 : PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point (°C) : 100
Vapor Pressure (mm Hg) : N/A
Vapor Density (Air = 1) : N/A
Solubility in water : complete
Physical State : liquid
Appearance: transparent to translucent
Odour: spicy scent

Density (g/mL): 0.999 at 23 °C
VOC (Wt %) : calculated approx. <1%
Evaporation Rate (Water + 1) : water like
pH (as supplied) : 7.0 to 8.5
Viscosity : water like
Odour Threshold (ppm) : N/A

SECTION 10 : STABILITY AND REACTIVITY DATA

Conditions for Chemical Instability: This product is stable under normal conditions. It does not polymerize.

Conditions to Avoid: Excessive heat.

Incompatible Materials: Strong oxidizing agents, strong alkalis, strong acids.

Hazardous Decomposition Products: The thermal decomposition can produce carbon and sulfur oxides and other organic substances.

SECTION 11 : TOXICOLOGICAL INFORMATION

Routes of Entry: Eyes, skin, ingestion, inhalation.

EFFECTS OF ACUTE EXPOSURE :

Acute Oral Toxicity: LD50:>5000 mg/Kg (EPA Category IV).

Acute Dermal Toxicity: LD50:>5000 mg/Kg (EPA Category IV).

Acute Inhalation Toxicity: LC50:>2.01 mg/L (EPA Category IV).

Acute Eye Irritation: Minimal, all effects cleared in 24 hours (EPA Category IV).

Acute Dermal Irritation: Slight, no erythema or edema at 72 hours (EPA Category IV).

Skin Sensitization: Not a sensitizer (EPA Category IV).

Classified as a Category IV by the U.S. Environmental Protection Agency (EPA) per toxicity profile Review for all routes of exposure: no signal words, no precautionary statements or first aid statements required on product label.

EFFECTS OF CHRONIC EXPOSURE :

Irritancy: Frequent prolonged contact may result in dry skin, redness and dermatitis.

Carcinogenicity/Mutagenicity: No, not predictable.

SECTION 12 : ECOLOGICAL INFORMATION

Biodegradability: Readily Biodegradable (OECD 301E)

Aquatic toxicity: Not toxic to aquatic life (IC50 > 100 mg/L, report EPS 1 / RM / 24)

Method: Microtox® Acute Toxicity Test

Test organism: *Vibrio fischeri*

Results:

CI 50-5 min	560mg/l
IC 95 %-5 min	500-600 mg/L
CI 50-15 min	660 mg/L
IC 95 %-15 min	540-780 mg/L

SECTION 13 : DISPOSAL CONSIDERATIONS

Waste Disposal: Dispose according to existing federal, state/provincial and municipal regulations. This product is biodegradable.

SECTION 14 : TRANSPORT INFORMATION

D.O.T. Not regulated as dangerous goods.

Not regulated for **IATA**.

SECTION 15 : REGULATORY INFORMATION

U.S. EPA registration: 87742-1-92595

California Proposition 65: No chemicals in this material are subject to the reporting requirements.

NSF Registration No. 157263

SECTION 16 : OTHER INFORMATION

SDS Date of preparation/revision: 2018-08-15

Prepared by: LABORATOIRE M2 Inc.

Phone : 1-866-898-0697



Disclaimer

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