



# Aggressive Disinfecting for COVID-19 Procedures

***RUNEX ENTERPRISES***

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*Please call for more information 925-584-1763*



The Centers for Disease Control and Prevention is currently responding to the outbreak of respiratory disease caused by the new coronavirus which was first detected in China. While the virus is called **coronavirus**, the *sickness* that results after infection has been termed **COVID-19**.

COVID-19 has created a pandemic which is a global outbreak of a disease.

These procedures refer to the aggressive disinfectant for COVID-19. RUNEX ENTERPRISES offers a team of professionals, armed with Neutral hospital grade disinfectant (FDA Approved), a collection of different pump sprayers, misters, and fogging equipment. With our 30 years of commercial experience, We can handle any job from complete truck interiors, cargo areas of route trucks, warehouses, office buildings, conveyor belts, trailers, tractors, all freight (boxes), restaurants, schools, hospitals, medical and dental offices, nursing homes, fitness facilities, public restrooms and more!

We treat each service as if it has been confirmed exposure, thoroughly aggressively disinfecting.

*We come in with our pump sprayers, misting and fogging equipment when the area is unoccupied so when staff comes in, you know that the area is completely disinfected.*

*The chemical has a 10-minute dwell time with no wiping required.*

**\*Please click this link for some of our equipment that we use. \*\*\***

**<https://www.youtube.com/watch?v=Ag2Yt5qnHLc>**

#### ***Our Chemicals***

This neutral, no-rinse sanitizing disinfectant is suitable for use in schools, hospitals, medical and dental offices, nursing homes, fitness facilities, and public restrooms.

At 2oz/gallon, it is a **broad spectrum anti-bacterial, virucide and fungicide.**

ES72 Hydrogen Peroxide Multi-Purpose Cleaner.

It is effective against **COVID-19** as well as Hepatitis B, Chlamydia, Herpes Simplex Type 1 & 2, MRSA, influenza, and HIV-1 and a variety of other diseases or bugs. ES64/ ES72 has a **10-minute dwell time.**

**No wiping required.**

Bleach is not part of this sanitizing/disinfecting process.

#### ***Personal Protective Equipment***

\*Tyvek suits, Nitrile gloves, N95 Facemask and Face Shield Eye Protection must be worn while actively

working at sanitizing site.

\*DuPont Industrial & Scientific Tyvek 500 Xpert Elastic and Hood hazmat coverall Suit

\*Waterproof Slip Resistant Shoe Covers

\*Nitrile gloves Grainger part # 4T425

\*Anti Fog Face Shield eye protector

\*Full face Respirator



The Center for Disease Control (CDC) recommends deep cleaning of frequently touched surfaces such as counters, tablets, doorknobs, tabletops, light switches, bathroom fixtures, keyboards, toilets, phones, and tables. CDC's also mentions guidance for commercial spaces include but not limited to:

- Offices
- Bathrooms
- Elevator Cars
- Retail Spaces
- Stair Handrails
- Sales Counters
- Sales Counters
- Shelving/Racks
- Water Fountains
- Carpets and Rugs
- Fitness Equipment
- Kitchen/Food Areas
- Schools/Classrooms
- Playground Equipment

We DEEP CLEAN all previously mentioned areas

We scrub all the high contact areas with Industrial disposable paper towels instead of towels. Prior to intensive disinfecting with our pump sprayers, misters and foggers, *Neutral Disinfectant 64*, which is an EPA registered quat-type cleaner, depending on the type of surface.

Foggers are our last line of defense. After all other surfaces have been treated, we finish up with our foggers to contact every surface in the area as well as the airspace. Foggers can also prevent puddling of liquid on surfaces with the benefit of the dwell time for effective disinfecting.

CROSS CONTAMINATION IS AVOIDED BY:

- Quaternary ammonium Germicides.
- Temperature check before each shift.
- Full PPE worn by crews.
- Touch free disinfecting.
- Industrial disposable paper towels

#### Sanitizing

We use a pump sprayers, misters and foggers with *Neutral Disinfectant 64*, a **broad spectrum anti-bacterial virucide fungicide** to saturate all previously mentioned areas.

It has a **10-minute dwell time**.

**No wipe/rinse down required per Manufactures requirement.**





# SAFETY DATA SHEET

## Neutral Disinfectant 64

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Code:** MORGAN-396-BULK  
**Product Name:** Neutral Disinfectant 64  
**Company Name:** Morgan-Gallacher, Inc. **Phone Number:** +1 (562)695-1870  
 8707 Millergrove Drive  
 Santa Fe Springs, CA 90670  
**Emergency Contact:** CHEMTREC +1 (800)424-9300

### 2. HAZARDS IDENTIFICATION

**Acute Toxicity: Oral, Category 4**  
**Skin Corrosion/Irritation, Category 1A**  
**Serious Eye Damage/Eye Irritation, Category 2A**



**GHS Signal Word:** **Danger**  
**GHS Hazard Phrases:** Harmful if swallowed.  
 Causes severe skin burns and eye damage.  
**GHS Precautionary Phrases:** Keep out of reach of children.  
 Read label before use.  
 Do not get in eyes, on skin, or on clothing.  
 Do not breathe dust/fume/gas/mist/vapors/spray.  
 Wash hands thoroughly after handling.  
 Wear protective gloves/protective clothing/eye protection.  
**GHS Response Phrases:** IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing with plenty of water for 15 minutes.  
 Get immediate medical advice/attention.  
 IF INHALED: Remove victim to fresh air and keep at rest in a well-ventilated area.  
 If experiencing respiratory symptoms: Get immediate medical advice/attention.  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for 15 minutes.  
 Get immediate medical advice/attention.  
 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
 Get immediate medical advice/attention.  
**GHS Storage and Disposal Phrases:** Dispose of contents/container in accordance to local, state and federal regulations.  
**OSHA Regulatory Status:** This material is classified as hazardous under OSHA regulations.  
**Inhalation:** Harmful if inhaled. May cause respiratory tract irritation.  
**Skin Contact:** May cause a burning sensation of the skin. May be harmful if absorbed through skin.  
**Eye Contact:** May cause eye irritation and burns.  
**Ingestion:** May be harmful if swallowed. May cause gastrointestinal irritation.



## SAFETY DATA SHEET

### Neutral Disinfectant 64

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 Revision: 07/02/2019

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration
7173-51-5	1-Decanaminium, N-Decyl-N,N-dimethyl-, chloride	< 3.0 %
68424-85-1	Quaternary ammonium compounds,benzyl-C12-16-alkyldimethyl, chlorides	< 2.0 %

### 4. FIRST AID MEASURES

#### Emergency and First Aid

##### Procedures:

<b>In Case of Skin Contact:</b>	Flush skin with plenty of water. Get medical aid if irritation develops or persists.
<b>In Case of Eye Contact:</b>	Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical aid immediately.
<b>In Case of Ingestion:</b>	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. If victim is conscious and alert, give 2-4 cupfuls of water. Get medical attention immediately.
<b>Note to Physician:</b>	Treat symptomatically and supportively. Show this safety data sheet to the doctor in attendance.

### 5. FIRE FIGHTING MEASURES

<b>Flash Pt:</b>	No data.	
<b>Explosive Limits:</b>	LEL: No data.	UEL: No data.
<b>Autoignition Pt:</b>	No data.	
<b>Suitable Extinguishing Media:</b>	Use water spray, dry chemical, carbon dioxide, or chemical foam.	
<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. Use water spray to keep fire-exposed containers cool.	
<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 proper personal protective equipment as indicated in Section 8.
<b>Environmental Precautions:</b>	Do not let this chemical enter the environment. Avoid runoff into storm sewers and ditches which lead to waterways. Clean up spills immediately, observing precautions in the Protective Equipment section.
<b>Steps To Be Taken In Case Material Is Released Or Spilled:</b>	Provide ventilation. Do not get water on spilled substances or inside containers. Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container.

### 7. HANDLING AND STORAGE

<b>Precautions To Be Taken in Handling:</b>	Do not get in eyes, on skin, or on clothing. Do not ingest or inhale. Keep container tightly closed.
<b>Precautions To Be Taken in Storing:</b>	Store in a cool, dry, well-ventilated area away from incompatible substances. Store in a tightly closed container.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
7173-51-5	1-Decanaminium, N-Decyl-N,N-dimethyl-, chloride	No data.	No data.	No data.
68424-85-1	Quaternary ammonium compounds,benzyl-C12-16-alkyldimeth yl, chlorides	No data.	No data.	No data.

**Respiratory Equipment (Specify Type):** Respiratory protection is not required under normal use.

**Eye Protection:** Wear chemical splash goggles.

**Protective Gloves:** Wear appropriate protective gloves to prevent skin exposure. Rubber or neoprene gloves.

**Other Protective Clothing:** Wear appropriate protective clothing to prevent skin exposure.

**Engineering Controls (Ventilation etc.):** No data available.

**Work/Hygienic/Maintenance Practices:** Handle in accordance with good industrial hygiene and safety practice.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical States:</b>	[ ] Gas [X] Liquid [ ] Solid	
<b>Appearance and Odor:</b>	Purple. Clear. Liquid.	
<b>pH:</b>	6.8 - 8.0	
<b>Melting Point:</b>	No data.	
<b>Boiling Point:</b>	No data.	
<b>Flash Pt:</b>	No data.	
<b>Evaporation Rate:</b>	No data.	
<b>Flammability (solid, gas):</b>	No data available.	
<b>Explosive Limits:</b>	LEL: No data.	UEL: No data.
<b>Vapor Pressure (vs. Air or mm Hg):</b>	No data.	
<b>Vapor Density (vs. Air = 1):</b>	No data.	
<b>Specific Gravity (Water = 1):</b>	0.995 - 1.010	
<b>Solubility in Water:</b>	No data.	
<b>Octanol/Water Partition Coefficient:</b>	No data.	
<b>Autoignition Pt:</b>	No data.	
<b>Decomposition Temperature:</b>	No data.	
<b>Viscosity:</b>	No data.	





**SAFETY DATA SHEET**  
**Neutral Disinfectant 64**

**10. STABILITY AND REACTIVITY**

**Reactivity:** High temperatures and fire conditions can result in the formation of carbon monoxide and carbon dioxide.

**Stability:** Unstable [ ] Stable [ X ]

**Conditions To Avoid - Instability:** Incompatible materials, ignition sources.

**Incompatibility - Materials To Avoid:** Strong oxidizing agents.

**Hazardous Decomposition or Byproducts:** No data available.

**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: No data available.  
 Mutagenicity: No data available.  
 Neurotoxicity: No data available.

**Carcinogenicity/Other Information:** CAS# 7173-51-5: 1-Decanaminiun, N-Decyl-N,N-dimethyl-, chloride: Acute toxicity, LD50, Oral, Rat, 84.00 MG/KG.

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.

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.

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

<b>Carcinogenicity:</b>		NTP? No	IARC Monographs? No	OSHA Regulated? No		
CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA	
7173-51-5	1-Decanaminiun, N-Decyl-N,N-dimethyl-, chloride	n.a.	n.a.	n.a.	n.a.	
68424-85-1	Quaternary ammonium compounds,benzyl-C12-16-alkyldimethyl, chlorides	n.a.	n.a.	n.a.	n.a.	



**SAFETY DATA SHEET**  
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**12. ECOLOGICAL INFORMATION**

**General Ecological Information:** Environmental: No information available.  
Physical: No information available.

CAS# 7173-51-5: 1-Decanaminium, N-Decyl-N,N-dimethyl-, chloride: 100% mortality or 0% survival of organism., Rainbow Trout (*Oncorhynchus mykiss*), juvenile(s), 500.0 UG/L, 96 H, Mortality.  
LC50, Water Flea (*Daphnia magna*), 1000. UG/L, 6 H, Mortality.  
LC50, Guppy (*Poecilia reticulata*), 750.0 UG/L, 24 H, Mortality.  
LC50, Medaka, High-Eyes (*Oryzias latipes*), 950.0 UG/L, 72 H, Mortality.  
LC50, Opossum Shrimp (*Americamysis bahia*), juvenile(s), 39.00 UG/L, 48 H, Mortality.  
LC50, Zebra Mussel (*Dreissena polymorpha*), 1120. UG/L, 48 H, Mortality.  
Effective concentration to 50% of test organisms., Green Algae (*Chlorella pyrenoidosa*), Exponential Growth Phase, 59.00 UG/L, 24 H, Growth.

CAS# 68424-85-1: Quaternary ammonium compounds,benzyl-C12-16-alkyldimethyl, chlorides: LC50, Fathead Minnow (*Pimephales promelas*), 0.770 PPM, 96 H, Mortality.  
LC50, Rainbow Trout (*Oncorhynchus mykiss*), 923.2 PPB, 96 H, Mortality.  
LC50, Striped Bass (*Morone saxatilis*), fry, 14100. UG/L, 96 H, Mortality.  
Effective concentration to 50% of test organisms., Green Algae (*Chlorella pyrenoidosa*), Exponential Growth Phase, 670.0 UG/L, 96 H, Population.

**Persistence and Degradability:** No data available.

**Bioaccumulative Potential:** No data available.

**Mobility in Soil:** No data available.

**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. Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

**14. TRANSPORT INFORMATION**

**LAND TRANSPORT (US DOT):**  
**DOT Proper Shipping Name:** Not Regulated.  
**DOT Hazard Class:**  
**UN/NA Number:**

**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)
7173-51-5	1-Decanaminium, N-Decyl-N,N-dimethyl-, chloride	No	No	No
68424-85-1	Quaternary ammonium compounds,benzyl-C12-16-alkyldimethyl, chlorides	No	No	No

## SAFETY DATA SHEET

### Neutral Disinfectant 64

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

<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Explosive	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Acute toxicity (any route of exposure)
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Flammable (gases, aerosols, liquid, or solid)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Skin Corrosion or Irritation
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Oxidizer (liquid, solid or gas)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Serious eye damage or eye irritation
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Self-reactive	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Respiratory or Skin Sensitization
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Pyrophoric (liquid or solid)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Germ cell mutagenicity
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Pyrophoric gas	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Carcinogenicity
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Self-heating	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Reproductive toxicity
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Organic peroxide	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Specific target organ toxicity (single or repeated exposure)
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Corrosive to metal	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Aspiration Hazard
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Gas under pressure (compressed gas)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Simple Asphyxiant
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No In contact with water emits flammable gas	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Health) Hazard Not Otherwise Classified (HNOC)
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Combustible Dust	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Physical) Hazard Not Otherwise Classified (HNOC)	

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
7173-51-5	1-Decanammonium, N-Decyl-N,N-dimethyl-, chloride	CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NJ EHS: No; NY Part 597: No; PA HSL: No
68424-85-1	Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	CWA NPDES: No; TSCA: Yes - Inventory, 4 Test; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NJ EHS: No; NY Part 597: No; PA HSL: No

## 16. OTHER INFORMATION

**Revision Date:** 07/02/2019

**Additional Information About No data available.**

**This Product:**

**Company Policy or**

**Disclaimer:**

While Morgan-Gallacher believes the statements set forth herein are accurate as of the date hereof, Morgan-Gallacher makes no warranty with respect thereto and expressly disclaims all liability for reliance thereon. Such data is offered solely for your consideration, investigation, and verification.

An official website of the United States government.

We've made some changes to EPA.gov. If the information you are looking for is not here, you may be able to find it on the EPA Web Archive or the January 19, 2017 Web Snapshot.

Close



## List N: Disinfectants for Use Against SARS-CoV-2

### Other COVID-19 Resources

- [EPA's Coronavirus Site](#)
- [CDC's Coronavirus Disease 2019 Site](#)
- [CDC's Cleaning and Disinfection Recommendations for COVID-19](#)
- [NPIC's COVID-19 Virus Factsheet](#)

All products on this list meet EPA's criteria for use against SARS-CoV-2, the virus that causes COVID-19.

#### Finding a Product

The easiest way to find a product on this list is to enter the **first two sets** of its **EPA registration number** into the search bar below.

For example, if EPA Reg. No. 12345-12 is on List N, you can buy EPA Reg. No. 12345-12-2567 and know you're getting an equivalent product. You can find this number by looking for the EPA Reg. No. on the product label.

#### Using Other Products

If you can't find a product on this list to use against SARS-CoV-2, look at a different product's label to confirm it has an EPA registration number and that human coronavirus is listed as a target pathogen.

#### Follow the Label

When using an EPA-registered disinfectant, **follow the label directions** for safe, effective use. Make sure to follow the contact time, which is the amount of time the surface should be visibly wet, listed in the table below.

**These products are for use on surfaces, not humans.**

#### Additional Resources

- [Still have questions? See our FAQs about this list.](#)
- [My company has a product it would like included on this list](#)

**Note: Inclusion on this list does not constitute an endorsement by EPA. Additional disinfectants may meet the criteria for use against SARS-CoV-2. EPA will update this list with additional products as needed.**

List N was last updated on April 2, 2020.

Search:

Show  entries

List N: Products with Emerging Viral Pathogens AND Human Coronavirus claims for use agai

4/8/2020

List N: Disinfectants for Use Against SARS-CoV-2 | Pesticide Registration | US EPA

<u>EPA Registration Number</u>	<u>Active Ingredient(s)</u>	<u>Product Name</u>	<u>Company</u>	<u>Follow the disinfection directions and preparation for the following virus</u>	<u>Contact Time (in minutes)</u>	<u>Formulation Type</u>	<u>Surf Type</u>
1839-169	Quaternary ammonium	BTC 885 Neutral Disinfectant Cleaner-64	Stepan Company	Human coronavirus	10	Dilutable	Hard nonp
70627-62	Hydrogen peroxide	Phato 1:64 Disinfectant Cleaner	Diversey Inc	Human coronavirus	5	Dilutable	Hard nonp

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