



# Microbial Defense Laboratories, LLC

## Safety Data Sheet

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** LAST One Step Disinfectant  
**SYNONYMS:** 200D RTU  
**EPA REGISTRATION:** 75174 - 10- 92232  
  
**DISTRIBUTOR:** Microbial Defense Laboratories, LLC  
**ADDRESS:** 166 Ramjet  
 Spring Branch, TX 78070

**EMERGENCY TELEPHONE NUMBER (CHEMTREC):** 1-800-424-9300  
**NON-EMERGENCY TELEPHONE NUMBER:** 404.636.8900  
**FAX PHONE:** 404.636.8500

**CHEMICAL FAMILY:** Antimicrobial Agent

**PREPARED BY:** SiShield Technologies

**SECTION 1 NOTES:** None

### SECTION 2: HAZARD(S) IDENTIFICATION

**GHS Classification:**

Mixture

Health	Environmental	Physical
Skin Irritation: Category 3 Eye Irritation: Category 2B Acute Toxicity Oral: Category 4	None Listed	None Listed

**GHS product labeling:**

**GHS Label Pictogram(s):**



**Signal Word(s):**

Warning

**GHS Hazard Statement(s):**

H302: Harmful if swallowed  
 H316: Causes mild skin irritation  
 H320: Causes eye irritation

**GHS Precautionary Statement(s):**

Prevention:  
 P103: Read Label before use



**P264: Wash hands thoroughly after handling**  
**P270: Do not eat, drink or smoke when using this product.**  
**Response:**  
**P301 + P312 IF SWALLOWED: Immediately call a POISON CENTER/doctor**  
**P330: Rinse mouth**  
**P305 + P351 + P338 IF IN EYES: rinse cautiously with water for several minutes. Remove contact lenses if easy to do.**  
**P332 + P313: If SKIN irritation occurs, get medical attention.**  
**P337 + P313: If EYE irritation persists: Get medical Advice/attention.**

### SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

ALL SPECIFIC HAZARDOUS COMPONENTS (IF ANY), REQUIRED TO BE IDENTIFIED BY FEDERAL AND/OR STATE LAW, ARE IDENTIFIED BY COMPONENT NAME AND CASRN NUMBER AND LISTED IN REQUIRED SECTIONS 3, 8, 14 AND 15 OF THIS SDS.

CAS Number	Component	Percent
Proprietary	Aqueous Organosilane	100

This product does not contain any hazardous components which require disclosure under US State or Federal Laws

### SECTION 4: FIRST-AID MEASURES

- Inhalation:** If respiratory symptoms develop, move victim from contaminated area to fresh air. If not breathing, apply artificial respiration, preferably by mechanical means. Avoid direct mouth to mouth resuscitation. If symptoms persist, obtain medical attention immediately.
- Skin Contact:** Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing. Wash with plenty of soap and water including hair and under fingernails. Do not apply any medicated agents except on the advice from a physician. Get medical attention if needed.
- Eye Contact:** Immediately flush eyes with large amounts of running water for at least 15 minutes, holding eyelids apart to facilitate irrigation of the entire surface of the eyes and lids. Do not apply any medicated agents except on the advice of a physician. Get immediate medical attention.
- Ingestion:** DO NOT INDUCE VOMITING OR ADMINISTER EMETICS EXCEPT ON THE ADVICE FROM A PHYSICIAN. If victim is fully conscious, give 2 - 3 glasses of water to drink. Contact a physician, hospital or Poison Control Center immediately. Do not give anything by mouth to an unconscious person. To ensure airway is open, position with head lower than body and transport immediately to a medical facility.



## **SECTION 5: FIRE-FIGHTING MEASURES**

**FLAMMABLE LIMITS IN AIR,**  
UPPER: Not determined LOWER: Not determined

**FLASH POINT:** > 200°F (Estimated)

**METHOD USED:** Compositional Review

**EXTINGUISHING MEDIA:** Carbon dioxide (CO<sub>2</sub>), water fog (or spray), dry chemical, or foam.

**SPECIAL FIRE FIGHTING PROCEDURES:** Self-contained breathing apparatus and protective clothing should be worn in fighting fires involving chemicals. Heat exposure pressurizes closed containers. Cool with water spray. Evacuate area in case of overheating fire.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Vapors are heavier than air and can travel along the ground to remote ignition sources. Static electricity may accumulate and ignite vapors. Prevent a possible fire hazard by suitable means, such as, bonding and grounding, inert gas purge, vapor dilution, and the like.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal breakdown of this product during fire or very high heat conditions may evolve the following hazardous decomposition products: Oxides of Carbon

**SECTION 5 NOTES:** None

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

**ACCIDENTAL RELEASE MEASURES:** Disposal of collected product, residues, and clean-up materials may be governmentally regulated. Observe all applicable local, state, and federal waste management regulations. Remove possible ignition sources and if needed, use non-sparking tools and equipment. To prevent possible spontaneous combustion, store rags, mops, absorbent, etc., used during clean up only in appropriate containers or covered with water. Determine whether to evacuate or isolate the area depending on such specific factors as site location, population density, traffic flow, size of the release or spill, weather conditions, the material's hazards and risk to people, and whether a fire is underway or possible. Mop, wipe, or soak up with absorbent and contain for salvage or disposal. For large spills, provide diking or other appropriate containment to keep material from spreading. Clean any remaining slippery surfaces by appropriate techniques, such as: several mopping's or swabbing's with appropriate solvents; washing with mild, caustic detergents or solutions, or high-pressure steam for large areas. For non-silicones, use typical industrial cleaning materials. Observe any safety precautions applicable to the cleaning material being used. Local, state, and federal reporting requirements may be applied to spills or releases of this material into the environment. See applicable regulatory compliance information in Section 15.

**SECTION 6 NOTES:** See Section 8 for Personal Protective Equipment for Spills.

## **SECTION 7: HANDLING AND STORAGE**

**HANDLING:** Wear appropriate personal protective equipment. (See Section 8)

**STORAGE:** Keep container closed and away from heat, sparks, and open flame. Keep container closed and store away from water and moisture.



**OTHER PRECAUTIONS:** Store in original closed container in a secure area inaccessible to children and away from food or feed.

**SECTION 7 NOTES:** None

### **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**ENGINEERING CONTROLS:**

Local exhaust: Recommended  
General Ventilation: Recommended

**RESPIRATORY PROTECTION:** Use respiratory protection unless adequate local exhaust ventilation is provided or air sampling data show exposures are within recommended exposure guidelines. Industrial Hygiene Personnel can assist in judging the adequacy of existing engineering controls. A suitable respirator would be a self-contained breathing apparatus (SCBA) or other supplied respirator.

**EYE PROTECTION:** Wear protective eyewear (goggles, face shield, or safety glasses with side shields).

**SKIN PROTECTION:** Chemical protective gloves are recommended.

**Occupational Exposure Value(s)**

Chemical name (CAS #)	ACGIH (TWA)	ACGIH (STEL)	OSHA (TWA)	OSHA (STEL)

Comments: (S) = Skin, (C) = Ceiling

*These precautions are for room temperature handling. Use at an elevated temperature or aerosol/spray applications, may require added precautions.*

### **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**APPEARANCE:** Clear, colorless

**ODOR:** Mild

**PHYSICAL STATE:** Liquid

**pH (as is):** 4.0 – 6.0

**BOILING POINT:**

F: > 200 (Estimated)

C: > 100 (Estimated)

**MELTING POINT:**

F: Not determined

C: Not determined



**FREEZING POINT:**

**F:** Not determined

**C:** Not determined

**VAPOR PRESSURE (mmHg) @ 77°F:** 100.00 Hg

**DENSITY:** 8.34 lbs/gal

**SPECIFIC GRAVITY:** 1.0

**EVAPORATION RATE:** Not Determined

**SOLUBILITY IN WATER:** Complete

**PERCENT VOLATILE:** Not determined

**VISCOSITY:** Not determined

**SECTION 9 NOTES:** None

**SECTION 10: STABILITY AND REACTIVITY**

**STABILITY:** Stable

**CONDITIONS TO AVOID (STABILITY):** None

**INCOMPATIBILITY (MATERIAL TO AVOID):** Strong acids and strong bases.

**HAZARDOUS POLYMERIZATION:** Hazardous polymerization will not occur

**SECTION 10 NOTES:** None

**SECTION 11: TOXICOLOGICAL INFORMATION\***

**ROUTES OF ENTRY:** Inhalation, Skin Contact, Ingestion, Eye Contact

**TOXICITY TO ANIMALS:**

**Acute oral toxicity (LD50):** Not determined

**Acute dermal toxicity (LD50):** Not determined

**Eye Irritation:** Not determined

**Skin Irritation:** Not determined

**Acute Inhalation Toxicity (LC50):** Not determined

**CHRONIC EFFECTS IN HUMANS:**

None expected

**SECTION 11 NOTES:** None



## SECTION 12: ECOLOGICAL INFORMATION

### ECOLOGICAL INFORMATION:

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with requirements of the National Pollutant Discharge Elimination System (NPDES) permit and permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product into sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

SECTION 12 NOTES: None

## SECTION 13: DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL METHOD:** Do not contaminate water, food, or feed by storage and disposal. If these wastes cannot be disposed of by use according to the label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste Representative at the nearest EPA regional office for guidance.

**SECTION 13 NOTES:** Container disposal: (*plastic*) Triple rinse (or equivalent), then offer for recycling or reconditioning, puncture and dispose of in a sanitary landfill, incineration, or by burning (if allowed by the state and local authorities). If burned, stay out of smoke. (*metal*) Triple rinse (or equivalent), then offer for recycling or reconditioning, puncture and dispose of in a sanitary landfill, incineration, or by other procedures approved by state and local authorities. (*glass*) Triple rinse (or equivalent), then dispose of in a sanitary landfill or by other approved state and local procedures.

## SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION  
Not Regulated

SECTION 14 NOTES: None

## SECTION 15: REGULATORY INFORMATION

### U.S. FEDERAL REGULATIONS

**TSCA (Toxic Substances Control Act) Status:** All components of this product are listed on the TSCA inventory of chemical substances. EPA Registration Number: 75174-10

**CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):**  
None

**311/312 HAZARD CATEGORIES:**



**Acute: Yes Chronic: No Fire: No Pressure: No Reactive: No**

**313 REPORTABLE INGREDIENTS: None**

**STATE REGULATIONS:**

**California**

**Warning: This product contains the following chemical(s) listed by the State of California under the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) as being known to cause cancer.**

***None***

**Warning: This product contains the following chemical(s) listed by the State of California under the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) as being known to cause birth defects or other reproductive harm.**

***None***

**STATE RIGHT TO KNOW:**

**None**

**FEDERAL HAPS:**

**None**

**RESOURCE CONSERVATION AND RECOVERY ACT (RCRA):**

**SiS 200D RTU as delivered is not a RCRA hazardous waste**

**SECTION 16: OTHER INFORMATION**

**PREPARATION INFORMATION: Prepared by SiShield Technologies**

**DISCLAIMER: This information is offered in good faith as typical values and not as a product specification. No warranty, expressed or implied is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.**

**Last Updated: 11 - Jun - 2021**

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