



## Safety Data Sheet

June 2021

### Section I – Product and Company Identification

<b>Product Name:</b>	Annihilare (Degreaser)
<b>Product Description:</b>	Electrochemically activated water containing 0.5% NaCl
<b>CAS #:</b>	Annihilare Medical Systems, Inc. (Annihilare)
<b>Manufacturer:</b>	
<b>Address:</b>	311 Motz Ave Lincolnton, NC 28092 (855) 545-5677
<b>Phone No:</b>	
<b>For information on health hazards call:</b>	(855)-545-5677
<b>For Product sales information call:</b>	(855)-545-5677

### Section II – Hazards Identification

This product is not classified as hazardous for environment disinfectant use.

**HMIS Hazard Rating:** Health = 0 Flammability = 0 Physical = 0 Reactivity = 0

0 = Minimal Hazard 1 = Slight Hazard 2 = Moderate Hazard 3 = Serious Hazard 4 = Severe Hazard

### Section III – Composition and Information on Ingredients

Component(s)	CAS #	% wt
Water	None	≥99.9%
Sodium Hydroxide (NaOH)	1310-73-2	< 1000 ppm (0.1%)

The Product contains no hazardous components.

### Section IV – First-aid Measures

Under normal use conditions the likelihood of any adverse health effect is low.

**Inhalation:** If breathing problems develop, move away from Product and into fresh air.

**Skin Contact:** If any irritation occurs, wash affected area with water.

**Eye Contact:** If irritation occurs, flush eyes with water.

**Ingestion:** Drink an 8 oz. glass full of water.

**Exposure Limits:** No exposure limits established for the Product by ACGIH or OSHA.

**Medical conditions generally recognized as being aggravated by exposure to Product:** NA

**Primary route(s) of exposure:** Inhalation of Product vapors or fumes is the most common route of exposure in occupational settings.

### Section V – Firefighting Measures

Not flammable or explosive.

Use fire extinguishing methods suitable to surrounding conditions.

## Section VI – Accidental Release Measures

### Personal Precautions:

No personal protective equipment is required under normal conditions.

**Ventilation:** Open air or good room ventilation is normally adequate for the safe use of the Product. No reports of adverse reactions.

**Respiratory Protection:** In accordance with OSHA regulations (29 CFR 1910.134 and 29 CFR 1910.1000) fogging or spraying applications may require worker respiratory protection, such as (1) NIOSH/MSHA approved air-purifying respirators, or (2) NIOSH/MSHA approved canister/cartridge facial respirators for chlorine/acid vapors.

**Eye Protection:** Although Product is designed to be safe for eyes, good manufacturing and laboratory practices recommend the use of chemical safety goggles for all applications involving chemical handling.

**Protective Clothing:** Although Product is designed to be safe for skin, good manufacturing and laboratory practice recommend that, at a minimum, rubber, neoprene, or other chemically impervious gloves be worn for all applications involving chemical handling.

### Environmental Precautions

No known threats, not applicable.

## Section VII – Handling and Storage

**Precautions and conditions for safe handling:** No special requirements are necessary. Store according to package directions.

## Section VIII – Exposure Controls

**Engineering controls:** Open air or good room ventilation is normally adequate for the safe use of the Product.

**Personal Protective Equipment:** No personal protective equipment is required under normal conditions.

## Section IX – Physical and Chemical Properties

<b>Physical State:</b>	Liquid
<b>Boiling Point (°C):</b>	100° C
<b>Melting Point/Range:</b>	NA
<b>Flash Point (°C):</b>	NA (Non flammable)
<b>Vapor Pressure (mm Hg @ 20°):</b>	NA
<b>Vapor Density (Air = 1):</b>	ND
<b>Specific Gravity H<sub>2</sub>O = 1):</b>	1.02 – 1.06g/ml
<b>Density:</b>	8.34 lbs/gal
<b>Appearance / Color / Odor:</b>	Homogeneous clear, liquid. No odor.
<b>Evaporation Rate:</b>	Comparable to water
<b>Solubility in Water:</b>	Complete
<b>pH:</b>	12 ±0.5

## Section X – Stability and Reactivity

**Stability:** This Product is an aqueous solution.

**Conditions to Avoid:** Avoid accidental or uncontrolled contact of Product with acids and hydrogen peroxide.

**Hazardous Decomposition Products:** None.

**Hazardous Polymerization:** Will not occur.

## Section XI – Toxicological Information

**Developmental/Reproductive Toxicity:** No conclusion has been made based on human and animal studies.

**Carcinogenicity:** No conclusion on the carcinogenicity of this product has been made based on the limited information available from human and animal studies. Neither the Product nor any of its constituents are listed in the latest NTP Annual Report on Carcinogens or has been found to be a potential carcinogen in the latest IARC Monograph or by OSHA.

**Cytogenecity:** Product does not possess cytogenetic activity.

## Section XII – Ecological Information

Product does not present adverse effects to the environment.

## Section XIII – Disposal Considerations

Packaging can be disposed of as local laws permit for a non-hazardous material.

## Section XIV – Transportation Information

**OSHA Label:** None Required.

**DOT Proper Shipping Name, Hazard Class, UN/NA Number Packing Group, RQ (If needed):** Not DOT Regulated. No DOT label required.

## Section XV – Regulatory Information

**TSCA No:** All chemicals in this Product are listed on the EPA TSCA Inventory list.

**CERCLA/SARA:** This Product has been reviewed according to the EPA "Hazard Categories" promulgated under Section 311 and 312 of SARA. It does not fall in any listed category and poses no risk of immediate (acute) health hazard, delayed (chronic) health hazard, fire hazard, or sudden release of pressure and is not reactive (see 29 CFR § 1910.1200).

**OSHA Hazard Communication Standard:** This product is not a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**Clean Air Act:** NA.

## Section XVI – Other Information

This Safety Data Sheet (SDS) was prepared in accordance with the provisions and requirements of 29 CFR § 1910.1200(g) and discloses the physical and health hazards of all hazardous chemicals contained in the Product described in this SDS, but unless otherwise noted, does NOT describe or disclose ALL of the chemicals/components in the Product, some of which may be Trade Secrets.

The information included in this SDS is based on data developed or compiled by Annihilare Medical Systems, Inc. from open literature, independent laboratory studies, and other available scientific evidence and is believed to be accurate and complete, but Annihilare

makes no warranty with respect thereto. **Neither does Annihilare make any representation or warranty, express or implied, with respect to the Product or its suitability for any purpose or use, hereby disclaiming all such warranties, including the implied warranties of merchantability and fitness for a particular purpose and the implied warranty that the Product is free of claims of third persons by way of infringement or the like.** Anyone intending to use the Product described in this SDS should satisfy himself that the Product (1) is suitable for their particular purposes and intended uses, and (2) meets any safety and health standards applicable thereto. It is the obligation of each user of the Product described in this SDS to determine and comply with the requirements of all statutes – local, state and federal – applicable to its use, storage and disposal.

## **Symbols**

ACGIH = American Conference of Governmental Industrial Hygienists  
ASTMI = American Society for Testing and Materials International  
CAS # = Chemical Abstracts Service Register number  
CERCLA = Comprehensive Environmental Response Compensation and Liability Act  
CL = Ceiling Limit  
IARC = International Agency for Research on Cancer  
NIOSH = National Institute for Occupational Safety and Health Hygienists  
NA = No Applicable Information  
ND = Not Determined  
NFPA = National Fire Protection Association  
NTP = National Toxicology Program  
OSHA = Occupational Safety and Health Administration  
OSHA, TWA = Occupational Safety and Health Administration, Time Weighted Average  
PMCC = Pensky - Martens Closed Cup Flash Point Determination  
SARA = Superfund Amendment and Reauthorization Act of 1986  
STEL = Short Term Exposure Limit  
TCC = Tagliabue Closed Cup flash point determination  
TLV = Threshold Limit Value  
TWA = Time Weighted Average, 8 hours

## **Additional Information/Comments**

This Product was designed to be a less hazardous product than others currently in use.

<b>Preparation Date (or latest revision):</b>	June 2021
<b>Prepared by:</b>	Annihilare