

## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Defender 2 Minute Disinfecting Wipe  
**GENERAL USE:** Premoistened wipe  
**PRODUCT DESCRIPTION:** Premoistened wipe  
**PRODUCT CODE:** 1563

### MANUFACTURER

Artemis Bio-Solutions, LLC  
 14505 Torrey Chase Blvd Suite 205  
 Houston, TX 77014, USA

**Emergency Contact:** INFOTRAC

**Emergency Phone:** 1(800) 535-5053

**Alternate Emergency Phone:** 1(352) 323-3500

**Customer Service :** 1 (630) 359-4090

**E-Mail:** info@artemisbiosolutions.com

### 24 HR. EMERGENCY TELEPHONE NUMBERS

**AAPCC Poison Help:** (800) 424-9300

**CANUTEC (Canadian Transportation):** (613) 996-6666

**INFOTRAC (US Transportation) :** (800) 535-5053

## 2. HAZARDS IDENTIFICATION

### GHS CLASSIFICATIONS

Health:  
 Eye Irrit. 2A H319

### GHS LABEL



**SIGNAL WORD: WARNING**

### HAZARD STATEMENTS

Causes serious eye irritation

### PRECAUTIONARY STATEMENTS

Wash thoroughly after handling

Wear protective gloves/protective clothing/eye protection/face protection

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

If eye irritation persists: Get medical advice/attention

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Tetrasodium ethylenediaminetetracetate	1-5	64-02-8

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

## 4. FIRST-AID MEASURES

### First Aid Measures

<b>General Advice</b>	If you feel unwell, seek medical advice (show the label where possible).
<b>Eye Contact</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.
<b>Skin Contact</b>	Wash skin with plenty of water.
<b>Inhalation</b>	Remove the victim into fresh air.
<b>Ingestion</b>	Rinse mouth with water. Do NOT induce vomiting.

### Most important symptoms and effects

Any additional important symptoms and effects are described in Section 11: Toxicology

### Indication of any immediate medical attention and special treatment needed

Symptoms/injuries : Not expected to present a significant hazard under anticipated conditions of normal use.

Symptoms after Inhalation : None under normal use.

Symptoms/injuries after skin contact : Contact during a long period may cause light irritation.

Symptoms/injuries after eye contact : Causes serious eye irritation.

Symptoms/injuries after ingestion : Gastrointestinal complaints.

## 5. FIRE-FIGHTING MEASURES

<b>Suitable Extinguishing Media</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
<b>Unsuitable Extinguishing Media</b>	Not applicable.
<b>Specific Hazards Arising from the Chemical</b>	Reacts with (some) acids. Under normal conditions of storage and use, hazardous decomposition products should not be produced.
<b>Protective equipment and precautions for firefighters</b>	Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers. Take account of environmentally hazardous firefighting water. Do not enter fire area without proper protective equipment, including respiratory protection.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal Precautions** Isolate from fire, if possible, without unnecessary risk.

For non-emergency personnel

Protective equipment : Protective goggles. Gloves. Protective clothing.

Emergency procedures : Evacuate unnecessary personnel. Avoid contact with skin, eyes and clothing.

Ventilate spillage area.

For emergency responders

Protective equipment : Use personal protective equipment as required.

Emergency procedures : Stop leak if safe to do so. Stop release. Ventilate

**Environmental Precautions** Do not allow into any sewer, on the ground or into any body of water. Should not be released into the environment. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains

### Methods and material for containment and cleaning up

**Methods for Containment** Contain released substance, pump into suitable containers.

**Methods for Clean-Up** This material and its container must be disposed of in a safe way, and as per local legislation.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Advice on Safe Handling** Keep container tightly closed.  
Wash thoroughly after handling. Wash contaminated clothing before reuse.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Comply with applicable regulations.

Storage conditions : Keep container closed when not in use.

Storage area : Meet the legal requirements. Store in a cool area.

**Incompatible Materials** Incompatible with strong acids.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>General</b>	Use appropriate personal protective equipment when risk assessment indicates this is necessary. Gloves. Protective clothing. Safety glasses.
<b>Individual protection measures, such as personal protective equipment</b>	
<b>Eye/Face Protection</b>	Tight sealing safety goggles. Face protection shield
<b>Skin and Body Protection</b>	Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.
<b>Respiratory Protection</b>	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations
<b>General Hygiene Considerations</b>	When using do not eat, drink or smoke. Keep away from food, drink and animal feeding stuffs. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Avoid contact with skin, eyes or clothing. Take off all contaminated clothing and wash it before reuse. Wear suitable gloves and eye/face protection.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Physical State</b>	Solid
<b>Appearance</b>	Premoistened wipe.
<b>Odor</b>	Pleasant scent
<b>Odor Threshold</b>	Not Determined
<b>Property</b>	<b>Values</b>
<b>pH</b>	No data available
<b>Melting Point/Freezing Point</b>	No Information available
<b>Boiling Point/Boiling Range</b>	No Information available <212 °F
<b>Flash Point</b>	> 200 °F -Tested using the liquid component of the towelette.
<b>Evaporation Rate</b>	No Information available
<b>Flammability (Solid, Gas)</b>	No Information available
<b>Upper Flammability Limits</b>	No Information available
<b>Lower Flammability Limit</b>	No Information available
<b>Vapor Pressure</b>	No Information available
<b>Vapor Density</b>	No Information available
<b>Specific Gravity</b>	1 g/ml -Tested using the liquid component of the towelette.
<b>Water Solubility</b>	Liquid component is soluble in water.
<b>Solubility in other solvents</b>	N/A
<b>Partition Coefficient</b>	No Information available
<b>Auto-ignition Temperature</b>	No Information available
<b>Viscosity</b>	No Information available
<b>VOC Content %</b>	< 1 % -Tested using the liquid component of the towelette.

## 10. STABILITY AND REACTIVITY

**Reactivity**

Reacts with (some) acids.

**Chemical Stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

None under normal processing.

**Hazardous Polymerization**

Hazardous polymerization does not occur.

**Conditions to Avoid**

Exposure to air or moisture over prolonged periods.

**Incompatible Materials**

Incompatible with strong acids and bases. Incompatible with oxidizing agents.

**Hazardous Decomposition Products**

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## 11. TOXICOLOGICAL INFORMATION

**Numerical measures of toxicity - Product Information****Tetrasodium ethylenediaminetetracetate (64-02-8)**

LD50 oral rat > 2000 mg/kg (Rat)

ATE CLP (oral) 500.000 mg/kg body weight

**Information on likely routes of exposure****Product Information****Eye Contact**

Causes serious eye irritation.

**Skin Contact**

Not classified

**Inhalation**

Not classified

**Ingestion**

Not classified

**Respiratory or skin sensitization**

Not classified

**Germ cell mutagenicity**

Not classified

**Carcinogenicity**

Not classified

**Reproductive toxicity**

Not classified

**Specific target organ toxicity (single exposure)**

Not classified

**Specific target organ toxicity (repeated exposure)**

Not classified

Aspiration hazard : Not classified

Symptoms/injuries after inhalation : None under normal use.

Symptoms/injuries after skin contact : Contact during a long period may cause light irritation. Symptoms/injuries after eye contact : Causes serious eye irritation.

Symptoms/injuries after ingestion : Gastrointestinal complaints.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

0.82532% of the mixture consists of components(s) of unknown hazards to the aquatic environment

### Component Information

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Tetrasodium EDTA 64-02-8	> 100 mg/l (72 h; Scenedesmus subspicatus; Growth)	LC50 fish 1      121 mg/l (96 h; Lepomis macrochirus; Soft water) LC50 fish 2      374 - 792 mg/l (96 h; Lepomis macrochirus; pH > 7)	625 mg/l (24 h; Daphnia magna)

### Persistence/Degradability

Chemical Name	Persistence and degradability	Biochemical oxygen demand (BOD)	Chemical oxygen demand (COD)
Tetrasodium EDTA 64-02-8	Not readily biodegradable in water.	< 0.002 g O /g substance	0.54 - 0.58 g O /g substance

### Bioaccumulation

Chemical Name	Log Pow	Bioaccumulative potential
Tetrasodium EDTA 64-02-8	-2.6	Bioaccumulation: not applicable.

### Mobility

No Information available.

### Other Adverse Effects

No Information available.

## 13. DISPOSAL CONSIDERATIONS

### Waste Treatment Methods

**Disposal of Wastes** Do not flush wipes.

**Waste disposal recommendations** Disposal should be in accordance with applicable regional, national and local laws and regulations.

## 14. TRANSPORT INFORMATION

**Note** Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

**DOT** Not regulated

**IATA** Not regulated

**IMDG** Not regulated



# Defender 2 Minute Disinfecting Wipe

SAFETY DATA SHEET | OSHA Hazard Communication Standard 29 CFR 1910.1200. Prepared to GHS Rev03.

Date Prepared: 07/13/2020

SDS No: 1563

## 15. REGULATORY INFORMATION

### International Inventories

TSCA Complies

DSL/NDSL Complies

#### Legend:

TSCA - All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

### US Federal Regulations

#### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

#### EPA Statement

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. See the product label for the FIFRA hazard information as required on the pesticide label.

Caution: Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling.

California Proposition 65 - This product does not contain substances known to the state of California to cause cancer and/or reproductive toxicity

## 16. OTHER INFORMATION

NFPA	Health hazards 2	Flammability 1	Instability 0	
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Full text of H-phrases:

Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
H302	Harmful if swallowed
H318	Causes serious eye damage
H319	Causes serious eye irritation

Issue Date: 05-Aug-2011

Revision Date: 13-July-2020

Revision Note: New format

#### Disclaimer

The information provided in this Safety Data Sheet 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text.

End of Safety Data Sheet