

**Issuing Date** 1st-July-2020

**Revision Date** New Document

**Revision Number** 01

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**

**Product identifier**

**Product Name** Zero Hazard Analyte 250 PPM

**Other means of identification** Synonyms

None

**Recommended use of the chemical and restrictions on use**

**Recommended Use:** Apply to sanitize any hard surface safely and effectively. Thoroughly cover the surface with sanitizing solution. If the surface needs to be dried, wait 15 seconds, then wipe dry. May be diluted 5:1. Uses include hospitals, dental offices, food processing, factories, stadiums, schools, fleet services, transportation vehicles, office space. Approved substance utilized to control the growth of microorganisms (CFR 21Sec 178.1010) for food contact surfaces, processing equipment, utensils, and hard non-porous surfaces. Used for medical and healthcare, aquaculture, CIP for food processing, drinking water disinfection, waste water treatment,

**Uses advised against:** No information available

**Details of the supplier of the safety data sheet**

**Manufacturer Name** Zero Hazard

**Manufacturer Address** 506 Industrial Drive  
Suite B  
Lewisberry, PA 17339

**Supplier Phone Number:** (888) 988-4633

**Supplier Email:** info@zerohazard.com

**Emergency telephone number**

**Company Emergency Phone Number:** (888) 988-4633

**2. HAZARDS IDENTIFICATION**

**Classification**

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

**GHS Label elements, including precautionary statements****Emergency Overview**

The product contains no substances which at their given concentration, are considered to be hazardous to health.

**Appearance:** Clear

**Physical state:** Liquid

**Odor:** Mild/Slight chlorine like odor

**Precautionary Statements - Prevention**

None

**Precautionary Statements - Response**

None

**Precautionary Statements - Storage**

None

**Precautionary Statements - Disposal**

None

**Hazards not otherwise classified (HNOC)**

Not applicable

**Unknown Toxicity**

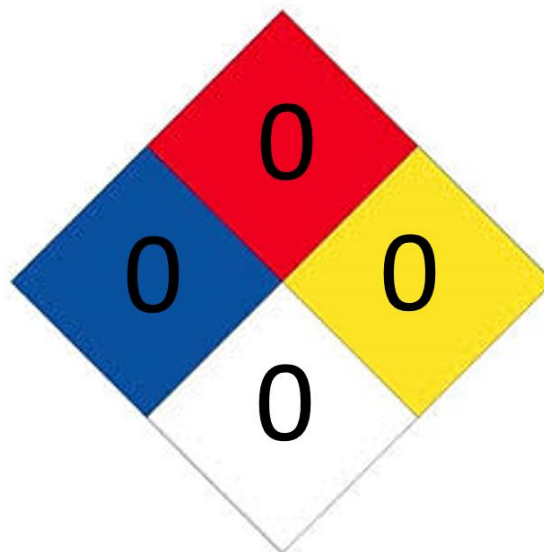
0 % of the mixture consists of ingredient(s) of unknown toxicity

**Other information**

Product is not known to cause eye irritation. However, if product is splashed or sprayed directly into eyes, rinse with water as a precaution and/or if eye irritation develops. Seek medical advice if eye irritation persists.

**Interactions with Other Chemicals**

**Yes**, such as toilet bowl cleaners, rust removers, acids, or products containing ammonia.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

The product contains no substances which at their listed given concentration, are considered to be hazardous to health.

Product composition and listed active and inactive ingredients are as follows:

- Hypochlorous Acid 0.025% (active ingredient);
- Hypochlorite Ion 0.00418% (inactive ingredient);
- Ozone, Chlorine Dioxide, Chloric Acid, Chlorous Acid <0.0003% (inactive ingredients);
- Water 99.975% (inactive ingredient)

## 4. FIRST AID MEASURES

### First aid measures

|                     |  |
|---------------------|--|
| <b>Eye contact</b>  | Although this product is not known to cause eye irritation, if irritation occurs rinse with water. Seek medical advice if irritation develops or persists.                               |
| <b>Skin contact</b> | Although this product is not known to cause skin irritation, however if irritation occurs rinse with water if skin irritation develops. Seek medical advice if skin irritation persists. |
| <b>Inhalation</b>   | Although this product is not known to cause respiratory problems, if irritation occurs seek medical advice if breathing difficulty develops or persists.                                 |
| <b>Ingestion</b>    | Although this product is not known to cause ingestion problems, if ingested and irritation occurs, drink plenty of tap water. Seek medical advice if gastric distress develops.          |

### Most important symptoms and effects, both acute and delayed

**Most Important Symptoms and Effects** No information available.

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

**Notes to Physician** Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

**Hazards connected with possibility of fire or explosion:** None

### Suitable Extinguishing Media

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

### Unsuitable extinguishing media

CAUTION: Use of water spray when fighting fire may be inefficient.

### Specific hazards arising from the chemical

None

**Explosion Data** Non explosive and flammable

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

### Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Handling** Handle in accordance with good industrial hygiene and safety practice.

### Conditions for safe storage, including any incompatibilities

**Storage** Keep containers tightly closed Store at room temperature 20-25deg C. Store in original sealed container, at room temperature, away from direct sunlight and heat.

**Incompatible Products** Avoid contact with products such as toilet bowl cleaners, rust removers, acids, or products containing ammonia.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

**Exposure Guidelines** This product, as supplied, does not contain any hazardous materials with occupational exposure limits designated by specific regulatory bodies.

### Appropriate engineering controls

**Engineering Measures for high volume storage** UV protected containers

### Individual protection measures, such as personal protective equipment

**Eye/face protection** No special protective equipment required.

**Skin and body protection** No special protective equipment required.

**Respiratory protection** 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.

**Hygiene Measures** Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Physical and Chemical Properties

|                       |                   |                       |                                 |
|-----------------------|-------------------|-----------------------|---------------------------------|
| <b>Physical state</b> | Liquid            | <b>Odor</b>           | Mild/Slight chlorine light odor |
| <b>Appearance</b>     | Clear             | <b>Odor Threshold</b> | Individual dependant            |
| <b>Color</b>          | Clear transparent |                       |                                 |

| <u>Property</u>                      | <u>Values</u>     | <u>Remarks</u> | <u>Method</u> |
|--------------------------------------|-------------------|----------------|---------------|
| <b>pH</b>                            | Neutral ~6 to 7   | None known     |               |
| <b>Melting / freezing point</b>      | 0 °C / 32 °F      | None known     |               |
| <b>Boiling point / boiling range</b> | 100 °C / 212 °F   | None known     |               |
| <b>Flash Point</b>                   | 5001 C / 9034 F   | None known     |               |
| <b>Evaporation Rate</b>              | similar as water  | None known     |               |
| <b>Flammability (solid, gas)</b>     | No data available | None known     |               |
| <b>Flammability Limit in Air</b>     | None              |                |               |
| <b>Upper flammability limit</b>      | None              |                |               |

|   |   |            |
|---|---|------------|
| <b>Lower flammability limit</b>               | None  |            |
| <b>Vapor pressure</b>                         | No data available                                   | None known |
| <b>Vapor density</b>                          | No data available                                   | None known |
| <b>Specific Gravity</b>                       | 1.02 - 1.06   | None known |
| <b>Water Solubility</b>                       | 100%  | None known |
| <b>Solubility in other solvents</b>           | No data available                                   | None known |
| <b>Partition coefficient: n-octanol/water</b> | No data available                                   | None known |
| <b>Autoignition temperature</b>               | No data available                                   | None known |
| <b>Decomposition temperature</b>              | No data available                                   | None known |
| <b>Kinematic viscosity</b>                    | No data available                                   | None known |
| <b>Dynamic viscosity</b>                      | No data available                                   | None known |
| <b>Explosive properties</b>                   | None  |            |
| <b>Oxidizing properties</b>                   | Slight to none when applied according to directions |            |
| <b><u>Other Information</u></b>               |   |            |
| <b>Softening Point</b>                        | N/A   |            |
| <b>VOC Content (%)</b>                        | 0% or (0 g/L)                                       |            |
| <b>Particle Size</b>                          | No data available                                   |            |
| <b>Particle Size Distribution</b>             | No data available                                   |            |

**10. STABILITY AND REACTIVITY**

**Reactivity**

Non-combustible, Non Flammable

**Chemical stability**

Stable under normal ambient conditions of temperature and pressure. Discard any product after Best-by date or older than 6 months.

**Possibility of Hazardous Reactions**

None

**Conditions to avoid**

High temperatures, incompatible materials.

**Incompatible materials**

Do not use or mix with other household chemicals.

**Hazardous Decomposition Products**

None known based on information supplied.

**11. TOXICOLOGICAL INFORMATION**

**Information on likely routes of exposure**

**Product Information**

|                     |   |
|---------------------|---|
| <b>Inhalation</b>   | Although this product is not known to cause respiratory problems, seek medical advice if breathing difficulty develops or persists.                             |
| <b>Eye contact</b>  | Although this product is not known to cause eye irritation, rinse with water. Seek medical advice if irritation develops or persists.                           |
| <b>Skin contact</b> | Although this product is not known to cause skin irritation, rinse with water if any irritation occurs. seek medical advice if irritation develops or persists. |
| <b>Ingestion</b>    | Although this product is not known to cause ingestion problems, if ingested, drink plenty of tap water. Seek medical advice if gastric distress develops.       |

**Component Information** No information available

**Information on toxicological effects**

**Symptoms** No information available.

**Refer**

**Sensitization** No information available.

**Mutagenic Effects** No information available.

**Carcinogenicity** Contains no ingredient listed as a carcinogen.

**Reproductive toxicity** No information available.

**STOT - single exposure** No information available.

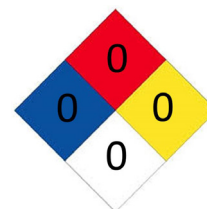
**STOT - repeated exposure** No information available.

**Target Organ Effects** None known.

**Aspiration Hazard** No information available.

**Numerical measures of toxicity - Product Information**

The following values are calculated based on chapter 3.1 of the GHS document  
Not applicable



**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

Fish: Not established May be toxic to fresh water - aquatic life in very large quantities of pure form

Daphnias: Tests have established that concentrated Anolite solutions attenuated in ratio 1:500 are not hazardous for daphnias

**Persistence and Degradability**

100% biodegradable.

**Bioaccumulation**

N/A

**Other adverse effects**

N/A

## 13. DISPOSAL CONSIDERATIONS

### Waste treatment methods

#### **Disposal methods**

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

#### **Contaminated Packaging**

Dispose of contents/containers in accordance with local regulations.

**California Hazardous Waste Codes** 561

## 14. TRANSPORT INFORMATION

|                             |               |
|-----------------------------|---------------|
| <b><u>DOT</u></b>           | NOT REGULATED |
| <b>Proper Shipping Name</b> | NON REGULATED |
| <b>Hazard Class</b>         | N/A           |

|                   |               |
|-------------------|---------------|
| <b><u>TDG</u></b> | Not regulated |
|-------------------|---------------|

|                   |               |
|-------------------|---------------|
| <b><u>MEX</u></b> | Not regulated |
|-------------------|---------------|

|                    |               |
|--------------------|---------------|
| <b><u>ICAO</u></b> | Not regulated |
|--------------------|---------------|

|                             |               |
|-----------------------------|---------------|
| <b><u>IATA</u></b>          | Not regulated |
| <b>Proper Shipping Name</b> | NON REGULATED |
| <b>Hazard Class</b>         | N/A           |

|                        |               |
|------------------------|---------------|
| <b><u>IMDG/IMO</u></b> | Not regulated |
| <b>Hazard Class</b>    | N/A           |

|                   |               |
|-------------------|---------------|
| <b><u>RID</u></b> | Not regulated |
|-------------------|---------------|

|                   |               |
|-------------------|---------------|
| <b><u>ADR</u></b> | Not regulated |
|-------------------|---------------|

|                   |               |
|-------------------|---------------|
| <b><u>ADN</u></b> | Not regulated |
|-------------------|---------------|

## 15. REGULATORY INFORMATION

### International Inventories

TSCA Complies

DSL All components are listed either on the DSL or NDSL.

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

### US Federal Regulations

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**SARA 311/312 Hazard Categories**

|                                   |    |
|-----------------------------------|----|
| Acute Health Hazard               | No |
| Chronic Health Hazard             | No |
| Fire Hazard                       | No |
| Sudden release of pressure hazard | No |
| Reactive Hazard                   | No |

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

**US State Regulations****California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

This product does not contain any substances regulated by state right-to-know regulations.

**International Regulations****Canada**

WHMIS Hazard Class Not determined

**16. OTHER INFORMATION**

|             |                         |                       |                          |  |
|-------------|-------------------------|-----------------------|--------------------------|--|
| <b>NFPA</b> | <b>Health Hazards</b> 0 | <b>Flammability</b> 0 | <b>Instability</b> 0     | <b>Physical and Chemical Hazards</b> - 0 |
| <b>HMIS</b> | <b>Health Hazards</b> 0 | <b>Flammability</b> 0 | <b>Physical Hazard</b> 0 | <b>Personal Protection</b> 0             |

**Prepared By** Kevin D Close  
Zero Hazard  
Lewisberry, PA  
(717) 844-5004

**Revision Date** 1st-July-2020

**Revision Note** New Document

**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**