



## SAFETY DATA SHEET

Date Issued: 10-28-2020 Revision: 1.0

### 1. IDENTIFICATION

#### Product Identifier

Product Name: Zyris Disinfectant

#### Other Means of Identification

Synonyms: HOCl, Hypochlorous Acid

#### Recommended Use of the Chemical and Restrictions on Use

Recommended Use: Surface disinfectant, sanitizer, cleaner, deodorant

Uses advised against: No information available

Restrictions on use: External use only

#### Details of the Supplier of the Safety Data Sheet

Manufacturer Name: Zyris Inc.

Manufacturer: 6868A Cortona Drive Santa Barbara, Ca 93117

Website: [zyris.com](http://zyris.com)

Email: [info@zyris.com](mailto:info@zyris.com)

Emergency Telephone Number

+1 (800) 560-6066

### 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 Hazard

Pictograms: Not applicable

Signal Word: Not applicable

Hazard Statements: The product contains no substance which at their given concentration, are considered to be hazardous to health.

#### Precautionary Statements

Prevention: Keep away from heat

Response: Not applicable

Storage: Keep only in the original container. Protect from sunlight.

Disposal: Not applicable

#### Hazards not otherwise classified {HNOC}

Not applicable

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

#### Substance/Mixture

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

Chemical Name	Percent Range	CAS#	EINECS#
Water	>99.182	7732-18-5	231-791-2
Sodium chloride	<0.8	7647-14-5	231-598-3
Hypochlorous acid	0.018	7790-92-3	232-232-5

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

## 4. FIRST AID MEASURES

### Description of First Aid Measures

General: This product is not known to cause respiratory problems, eye or skin irritation, or problems through ingestion. Use first aid treatment according to the nature of the injury.

Inhalation: If respiratory irritation occurs, remove to fresh air.

Eye Contact: If eye irritation occurs, rinse eyes thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Check for and remove any contact lenses.

Skin Contact: If skin irritation occurs, wash skin with water.

Ingestion: Drink plenty of water. Seek medical advice if irritation develops.

### Most Important Symptoms/Effect, Acute and Delayed Symptoms:

None known

### Indication of Any Immediate Medical Attention and Special Treatment Needed

Notes to Physician: Treat symptomatically

## 5. FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

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

### Specific Hazards Arising From the Chemical

No information available

### Hazardous Combustion Products

This material will not burn.

### Protective Equipment and Precautions for Fire-fighters

Fire-fighters should wear self-contained breathing apparatus and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment, and Emergency Procedures

No special protective equipment required.

### Methods and Materials for Containment and Cleaning Up

Spills: Stop leak and move containers from spill area. Dilute with water and mop up. Alternatively, absorb with an inert dry material and place in an appropriate waste disposal container. See section 13 for more information.

## 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 in a dry, cool place. Store in original container, at room temperature, away from direct sunlight and heat. Do not allow to freeze.

Incompatible Products: Reducing agents

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Control Parameters

Exposure Guidelines: Not applicable

### Appropriate Engineering Controls

Engineering Measures for high volume storage: Showers, Eyewash stations, Ventilation systems

### Individual Protection Measures, such as Personal Protective Equipment

Eye/face protection: No special protective equipment required.

Skin/body protection: No special protective equipment required.

Respiratory protection: No protective equipment is needed under normal use conditions. If irritation is experienced, ventilation and evacuation may

be required.

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

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

Physical state: Liquid

Color: Clear, Colorless

Odor: Mild chlorine odor

Odor Threshold: Not available

pH: 4.0 to 5.0

Melting point/freezing point: -0.1°C, with concomitant precipitation of sodium chloride

Boiling point/boiling range: 101°C

Flash point: No data available

Evaporation rate: No data available

Flammability (solid, gas): No data available

Upper/lower flammability limits: No data available

Vapor pressure: No data available

Vapor density: No data available

Specific Gravity: 1

Solubility: Water (complete)

Partition coefficient: n-octanol/water: No data available Auto-ignition temperature: No data available Decomposition temperature: No data available

Viscosity: No data available

## 10. STABILITY AND REACTIVITY

### Reactivity

No data available

### Chemical Stability

Stable under described conditions of use and storage. Use product within stated expiration date.

### Possibility of Hazardous Reactions

None under normal conditions of storage and use.

### Conditions to Avoid

Heat, direct sunlight, and freezing temperatures

### Incompatible Materials

Ammonia, ammonium salts, reducing agents, reactive metals (iron and steel), aziridines, methanol, formic acid

### Hazardous Decomposition Products

Avoid adding acid or heating solution as it may liberate chlorine gas.

## 11. TOXICOLOGICAL INFORMATION

### Information on Likely Routes of Exposure

#### Product Information

Inhalation: No known effect based on information supplied

Eye Contact: No known effect based on information supplied

Skin Contact: No known effect based on information supplied

Ingestion: No known effect based on information supplied

#### Acute Toxicity Data

Oral Exposure: No significant effects or critical hazards

Dermal Exposure: No significant effects or critical hazards

Inhalation Exposure: No significant effects or critical hazards

### Information on Toxicological Effects Symptoms:

No information available

#### **Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure**

Sensitization: This product is not known to cause sensitization

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**

Acute toxicity estimates: Not available

## **12. ECOLOGICAL INFORMATION**

### **Ecotoxicity**

Based on the classification principles, the product is not classified as hazardous to the environment.

### **Persistence and Degradability**

No information available

### **Bioaccumulative Potential**

No information available

### **Mobility in Soil**

No information available

### **Other Adverse Effects**

No information available

## **13. DISPOSAL CONSIDERATIONS**

### **Waste Treatment Methods**

Disposal methods: The material, as supplied is not a hazardous waste according to Federal regulations (40 CFR 261). The material could become hazardous waste if it is mixed with or otherwise comes in contact with 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 hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements. Waste packaging should be recycled.

## **14. TRANSPORT INFORMATION**

UN Number: Not regulated

UN Proper Shipping Name: Not regulated

Transport Hazard Class: Not regulated, safe to ship by air

Packaging Group: Not regulated

Environmental Hazards: Not regulated

Special Precautions for Users: Not regulated

## **15. REGULATORY INFORMATION**

International Inventories

TSCA: Complies

DSL: All components are listed on the DSL

### **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

#### **International Regulations**

Canada  
WHMIS Hazard Class: Not determined

## **16. OTHER INFORMATION**

**Revision Date:** 27-October-2020

Version: 1.0

#### **Disclaimer**

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. Zyris, Inc. makes no representations as to the completeness or accuracy of the information.

**END**