

MSI-8814 – Citrus H202

Date: 6/5/2019

## 1. IDENTIFICATION

### Product Identifier

Product Name Citrus H202

### Other means of identification

Product Code 8814

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

Recommended Use Multi-Purpose Cleaner Degreaser & Brightener

### Details of the supplier of the safety data sheet

Manufactured By Michigan State Industries  
1780 E. Parnall Rd.  
Jackson, MI. 49201

### Emergency Telephone Number

Company Phone Number 517-780-6726  
Emergency Telephone (24 hr.) INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)

## 2. HAZARDS IDENTIFICATION

### Classification

Acute toxicity - Oral	Category 4
Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 2

### Hazard Statements

Harmful if swallowed  
Causes skin irritation  
Causes severe eye irritation

### Signal Word

**WARNING**



**Appearance** Light colored

**Physical State** Liquid

**Odor** Orange Scent

**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling  
 Do not eat, drink or smoke when using this product  
 Wear protective gloves/protective clothing/eye protection/face protection  
 Keep away from heat/sparks/open flames/hot surfaces. — No smoking  
 Keep container tightly closed

**Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention

**IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 Get medical attention if irritation occurs

If skin irritation occurs: Get medical advice/attention

**IF ON SKIN (or hair):** Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse

**IF SWALLOWED:** Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting. Rinse mouth

**IN CASE OF FIRE:** Use CO2, dry chemical, or foam for extinction

**Precautionary Statements - Storage**

Store in original container. Store locked up in a well-ventilated place. Keep out of reach of children. Keep unused container tightly closed.

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Alcohol Ethoxylate	68439-46-3	0 - 5
Iminodisuccinic Acid Tetrasodium Salt	144538-83-0	0 - 5
Citrus Terpenes	5989-27-5	0 - 5
Hydrogen Peroxide	7722-84-1	0 - 5

The balance of ingredients are not classified as hazardous to health or the environment. The specific chemical identity and/or exact percentage has been withheld as a trade secret.

### 4. FIRST-AID MEASURES

**First Aid Measures**

<b>Eye Contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists: Get medical advice/attention.
<b>Skin Contact</b>	For skin contact flush with large amounts of water. Get medical attention if irritation develops or persists. Take off contaminated clothing. Wash contaminated clothing before reuse.
<b>Inhalation</b>	If symptoms are experienced, remove source of contamination or move victim to fresh air.
<b>Ingestion</b>	Do not induce vomiting without medical advice. Seek medical attention immediately.

**Most important symptoms and effects**

<b>Symptoms</b>	May cause skin and eye irritation. Mists or vapors may be mildly irritating to throat and respiratory tract. Swallowing may be harmful.
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**Indication of any immediate medical attention and special treatment needed**

<b>Notes to Physician</b>	Treat symptomatically.
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## 5. FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

Water or suitable material for primary source of fire.

**Unsuitable Extinguishing Media** Not determined.

### Specific Hazards Arising from the Chemical

Non-flammable solution.

### 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.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal Precautions** Isolate hazard area and restrict access.

### Methods and material for containment and cleaning up

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for Clean-Up** Absorb spillage with non-combustible, absorbent material. Place in appropriate containers for disposal.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Advice on Safe Handling** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin and eyes. Do not return unused product to the container. Wash thoroughly after handling.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Store away from sun and heat.

**Incompatible Materials** Reducing agents, high pH materials, salt, metals, dust and dirt.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Hydrogen Peroxide 7722-84-1	200 mg/m <sup>3</sup>	TWA 200 mg/m <sup>3</sup>	-

### Appropriate engineering controls

**Engineering Controls** Provide adequate local exhaust ventilation. Eyewash stations. Showers.

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

<b>Eye/Face Protection</b>	Use chemical safety goggles and/or full-face shield where splashing is possible.
<b>Skin and Body Protection</b>	Wear rubber or neoprene gloves. Wear suitable protective clothing.
<b>Respiratory Protection</b>	Not necessary unless exposure limits are exceeded. Use NIOSH/MSHA approved respiratory protection equipment when airborne exposure limits are exceeded.
<b>General Hygiene Considerations</b>	Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES****Information on basic physical and chemical properties**

<b>Physical State</b>	Liquid	<b>Odor</b>	Orange Scent
<b>Appearance</b>	Clear	<b>Odor Threshold</b>	Not determined
<b>Color</b>	Light Orange		
<b>Property</b>	<b>Values</b>	<b>Remarks • Method</b>	
<b>pH</b>	2.5 – 3.5		
<b>Melting Point/Freezing Point</b>	Not determined		
<b>Boiling Point/Boiling Range</b>	Not determined		
<b>Flash Point</b>	Does not sustain combustion		
<b>Evaporation Rate</b>	1.0	Water=1	
<b>Flammability (Solid, Gas)</b>	n/a-liquid		
<b>Upper Flammability Limits</b>	Not applicable		
<b>Lower Flammability Limit</b>	Not applicable		
<b>Specific Gravity</b>	1.032		
<b>Water Solubility</b>	Complete		
<b>Auto ignition Temperature</b>	Not determined		
<b>Oxidizing Properties</b>	Not determined		
<b>VOC Content (%)</b>	0%		

**10. STABILITY AND REACTIVITY****Reactivity**

Not reactive under normal conditions.

**Chemical Stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

None under normal processing.

<b>Hazardous Polymerization</b>	Hazardous polymerization does not occur.
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**Conditions to Avoid**

Keep out of reach of children. Excessive heat and contamination of any kind.

**Incompatible Materials**

Reducing agents, high pH materials, salts, metals, dust and dirt.

**Hazardous Decomposition Products**

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

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

<b>Eye Contact</b>	Avoid contact with eyes.
<b>Skin Contact</b>	Avoid contact with skin.
<b>Inhalation</b>	Avoid breathing vapors or mists.
<b>Ingestion</b>	Do not taste or swallow.

### Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Alcohol Ethoxylate 68439-46-3	>2,000 mg/kg ( Rat )	> 5,000 mg/kg ( Rat)	-
Hydrogen Peroxide 7722-84-1	>2,000 mg/kg (mouse)	-	Vapor: 1437 ppm 4 hr (rat)

### Information on physical, chemical and toxicological effects

<b>Symptoms</b>	May cause skin and eye irritation. Mists or vapors may be mildly irritating to throat and respiratory tract. Swallowing may be harmful.
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### Delayed and immediate effects as well as chronic effects from short and long-term exposure

<b>Carcinogenicity</b>	This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.
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## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Hydrogen peroxide occurs naturally as a result of photochemical processes in living organisms.

### Persistence/Degradability

Readily biodegradable, as defined by OECD

### Bioaccumulation

Decomposes by enzymatic action and does not accumulate in cell systems.

### Other Adverse Effects

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

## 13. DISPOSAL CONSIDERATIONS

### Waste Treatment Methods

<b>Disposal of Wastes</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.
<b>Contaminated Packaging</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.

## 14. TRANSPORT INFORMATION

<b><u>DOT</u></b>	Not regulated
<b><u>IATA</u></b>	Not regulated
<b><u>IMDG</u></b>	Not regulated
<b><u>TDG</u></b>	Not regulated

## 15. REGULATORY INFORMATION

<b>TSCA – USA</b>	Listed
<b>DSL - Canada</b>	Listed
<b>IECSC - China</b>	Listed
<b>EINECS- Europe</b>	Listed
<b>KECI - Korea</b>	Listed
<b>ENCS - Japan</b>	Listed
<b>NECI –Taiwan</b>	Listed
<b>NZIOC – New Zealand</b>	Listed
<b>PICCS - Philippines</b>	Listed
<b>AICS - Australia</b>	Listed

### **US Federal Regulations**

#### **CERCLA Reportable Quantity**

No components are listed.

#### **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

### **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 under applicable state right-to-know regulations

## 16. OTHER INFORMATION

<b><u>NFPA</u></b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Instability</b>	<b>Special Hazards</b>
	2	0	0	Not determined
<b><u>HMIS</u></b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Physical Hazards</b>	<b>Personal Protection</b>
	2	0	0	B

#### **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**