

Michigan State Industries

SAFETY DATA SHEET

MSI-8814 – Citrus H202

Date: 1/24/2019

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
17600 Ryan Rd.
Detroit, MI. 48212

Emergency Telephone Number

Company Phone Number 313-368-3200
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

Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists: Get medical advice/attention.
Skin Contact	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.
Inhalation	If symptoms are experienced, remove source of contamination or move victim to fresh air.
Ingestion	Do not induce vomiting without medical advice. Seek medical attention immediately.

Most important symptoms and effects

Symptoms	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

Notes to Physician	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 ³	TWA 200 mg/m ³	-

Appropriate engineering controls

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

Individual protection measures, such as personal protective equipment

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

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

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

Hazardous Polymerization	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

Eye Contact	Avoid contact with eyes.
Skin Contact	Avoid contact with skin.
Inhalation	Avoid breathing vapors or mists.
Ingestion	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

Symptoms	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

Carcinogenicity	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

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

14. TRANSPORT INFORMATION

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

15. REGULATORY INFORMATION

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

<u>NFPA</u>	Health Hazards	Flammability	Instability	Special Hazards
	1	0	0	Not determined
<u>HMIS</u>	Health Hazards	Flammability	Physical Hazards	Personal Protection
	1	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