

# \* \* \* Section 1 - Product and Company Identification \* \* \*

MSDS #1671E

Catalog Number: 35230

#### **Manufacturer Information**

HHC Holdings Inc. An Oatey Affiliate 4700 West 160th Street Cleveland, OH 44135 Phone: 216-267-7100

For Emergency First Aid call 1-877-740-5015. For chemical transportation emergencies ONLY, call Chemtrec at 1-800-424-

9300. Outside the U.S. 1- 703-527-3887.

# \* \* \* Section 2 - Hazards Identification \* \* \*

### **GHS Classification:**

Eye Damage/Irritation - Category 2A

# GHS LABEL ELEMENTS Symbol(s)



# Signal Word

Warning

#### **Hazard Statements**

Causes serious eye irritation.

# **Precautionary Statements**

### **Prevention**

Wash thoroughly after handling.

Wear protective gloves/eye protection/face protection.

### Response

If on skin: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.

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.

#### **Disposal**

Dispose of contents/container in accordance with local/regional/national/international regulations.

# \* \* \* Section 3 - Composition / Information on Ingredients \* \* \*

CAS#	Component	Percent
7732-18-5	Water	40 - 60
77-92-9	Citric Acid	40 - 60

# \* \* \* Section 4 - First Aid Measures \* \* \*

# First Aid: Eyes

Rinse thoroughly with plenty of water, also under the eyelids.

First Aid: Skin

Wash off with warm water and soap.

First Aid: Ingestion

Clean mouth with water and afterwards drink plenty of water.

First Aid: Inhalation

Move to fresh air.

# \*\* Section 5 - Fire Fighting Measures \*\*\*

#### **General Fire Hazards**

See Section 9 for Flammability Properties.

Not flammable.

# **Hazardous Combustion Products**

None known based on information supplied.

### **Extinguishing Media**

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

# **Unsuitable Extinguishing Media**

None

# Fire Fighting Equipment/Instructions

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

# \* \* \* Section 6 - Accidental Release Measures \* \* \*

# **Recovery and Neutralization**

Prevent further leakage or spillage if safe to do so.

# **Materials and Methods for Clean-Up**

Neutralize with sodium bicarbonate or soda ash. Take up mechanically and collect in suitable container for disposal. After cleaning, flush away traces with water.

### **Emergency Measures**

Isolate area. Keep unnecessary personnel away.

# **Personal Precautions and Protective Equipment**

Use personal protective equipment. Avoid contact with skin, eyes and clothing.

#### **Environmental Precautions**

None.

### **Prevention of Secondary Hazards**

None.

# \* \* \* Section 7 - Handling and Storage \* \* \*

# **Handling Procedures**

Handle in accordance with good industrial hygiene and safety practice.

### Storage Procedures

Keep containers tightly closed in a dry, cool and well-ventilated place.

### Incompatibilities

Strong oxidizing agents.

# \* \* \* Section 8 - Exposure Controls / Personal Protection \* \* \*

#### **Component Exposure Limits**

No Exposure guidelines have been established.

# **Engineering Measures**

Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.

# **Personal Protective Equipment: Respiratory**

If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection.

### **Personal Protective Equipment: Hands**

No special protective equipment required.

# Personal Protective Equipment: Eyes

If splashes are likely to occur, wear goggles.

# Personal Protective Equipment: Skin and Body

No special protective equipment required.

# \* \* \* Section 9 - Physical & Chemical Properties \* \* \*

Appearance: Colorless to Yellow Odor: Slight Sugary

Physical State: Liquid pH: 2.5

Vapor Pressure: ND Vapor Density: ND

Boiling Point: 100°C / 212°F Melting Point: ND

Solubility (H2O): Soluble Specific Gravity: 1.24

Evaporation Rate: ND VOC: 0 g/L

Viscosity:25 cpsOctanol/H2O Coeff.:NDFlash Point:NAFlash Point Method:NA

Upper Flammability Limit NA Lower Flammability Limit NA (UFL):

Burning Rate: NA Auto Ignition: NA

# \* \* \* Section 10 - Chemical Stability & Reactivity Information \* \* \*

# **Chemical Stability**

This is a stable material.

### **Hazardous Reaction Potential**

Will not occur.

#### **Conditions to Avoid**

None.

### **Incompatible Products**

Strong oxidizing agents.

# **Hazardous Decomposition Products**

None known based on information supplied.

# \* \* \* Section 11 - Toxicological Information \* \* \*

# **Acute Toxicity**

### Component Analysis - LD50/LC50

Water (7732-18-5)

Oral LD50 Rat >90 mL/kg

Citric Acid (77-92-9)

Oral LD50 Rat >3g/kg

Potential Health Effects: Skin Corrosion Property/Stimulativeness

Causes skin irritation.

Potential Health Effects: Eye Critical Damage/ Stimulativeness

Causes serious eye irritation.

**Potential Health Effects: Ingestion** 

No known effect.

**Potential Health Effects: Inhalation** 

No known effect.

### **Respiratory Organs Sensitization/Skin Sensitization**

None expected.

# **Generative Cell Mutagenicity**

This product is not reported to have any mutagenic effects.

### Carcinogenicity

### A: General Product Information

This product is not reported to have any carcinogenic effects.

### **B: Component Carcinogenicity**

None of this product's components are listed by ACGIH, IARC, OSHA, NIOSH, or NTP.

### Reproductive Toxicity

This product is not reported to have any reproductive toxicity effects.

### Specified Target Organ General Toxicity: Single Exposure

This product is not reported to have any specific target organ toxicity single exposure effects.

# **Specified Target Organ General Toxicity: Repeated Exposure**

This product is not reported to have any specific target organ toxicity repeat exposure effects.

# **Aspiration Respiratory Organs Hazard**

Not an aspiration hazard.

# Section 12 - Ecological Information \* \* \*

# **Ecotoxicity**

### A: General Product Information

This product is not expected to be toxic to aquatic organisms.

# B: Component Analysis - Ecotoxicity - Aquatic Toxicity

Citric Acid (77-92-9)

Test & Species Conditions

24 Hr EC50 Daphnia magna >80 mg/L

48 Hr EC50 Daphnia magna >120 mg/L [Static]

### Persistence/Degradability

No information available for the product.

### **Bioaccumulation**

No information available for the product.

# **Mobility in Soil**

No information available for the product.

# \* \* \* Section 13 - Disposal Considerations \* \* \*

# **Waste Disposal Instructions**

See Section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations.

# Disposal of Contaminated Containers or Packaging

Dispose of contents/container in accordance with local/regional/national/international regulations.

# \* \* \* Section 14 - Transportation Information \* \* \*

### **DOT Information**

Shipping Name: Not Regulated

### **IMDG Information**

Shipping Name: Not Regulated

# \* \* \* Section 15 - Regulatory Information \* \* \*

### **Regulatory Information**

#### **US Federal Regulations**

### **Component Analysis**

None of this products components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), or CERCLA (40 CFR 302.4).

# State Regulations

#### **Component Analysis - State**

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA	MA	MN	NJ	PA	RI
Citric Acid	77-92-9	No	No	No	Yes	Yes	No

#### **Component Analysis - WHMIS IDL**

The following components are identified under the Canadian Hazardous Products Act Ingredient Disclosure List:

Component	CAS # Minimum Concentration	
Citric Acid	77-92-9	1 % item 409 (80)

### **Additional Regulatory Information**

### **Component Analysis - Inventory**

Component	CAS#	TSCA	CAN	EEC
Water	7732-18-5	Yes	DSL	EINECS
Citric Acid	77-92-9	Yes	DSL	EINECS

# \* \* \* Section 16 - Other Information \* \* \*

# Key/Legend

EPA = Environmental Protection Agency; TSCA = Toxic Substance Control Act; ACGIH = American Conference of Governmental Industrial Hygienists; IARC = International Agency for Research on Cancer; NIOSH = National Institute for Occupational Safety and Health; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration., NJTSR = New Jersey Trade Secret Registry.

### **Literature References**

None

#### Other Information

NFPA and HMIS:

NFPA Hazard Signal: Health: 0 Flammability: 0 Reactivity: 0 HMIS Hazard Signal: Health: 0 Flammability: 0 Reactivity: 0

#### Disclaimer:

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