

# MATERIAL SAFETY DATA SHEET

## Spa Magic (chlorine)

Identity (Trade name as used on label)

Manufacturer <b>Jack's Magic Products, Inc.</b>	MSDS # <b>N/A</b>
Address <b>12435 73<sup>rd</sup> Court</b>	CAS # <b>87-90-1</b>
<b>Largo, FL 33773</b>	Date Prepared <b>8/2012</b>
Phone # (for information) <b>(800) 348-1656</b>	Prepared By <b>N/A</b>
Emergency Phone # <b>(800) 853-7673</b>	

### SECTION 1 – MATERIAL IDENTIFICATION AND INFORMATION

COMPONENTS – Chemical Name & Common Name (Hazardous Components 1% or greater, carcinogens 0.1% or greater)	%	OSHA PEL	ACHH TLV	OTHER LIMITS RECOMMENDED
<b>Contains: Trichloro-s-triazinetrione (Trichloro isocyanuric acid)</b>		<b>1 ppm Cl</b>		<b>Oral LD50 (rats): 750-1500 mg/kg</b> <b>Inhal. LC50:2 to 200 mg/L</b> <b>Dermal LD50(rabbit):10,000 mg/kg</b> <b>Material Corrosive</b>
Non-Hazardous Ingredients				
TOTAL				

### SECTION 2 – PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point <b>N/A</b>	Specific Gravity (H <sub>2</sub> =1) <b>Density &lt;1</b>
Vapor Pressure (mm/Hg and Temperature) <b>N/A</b>	Melting Point <b>Decomposes at 350 deg. F</b>
Vapor Density (Air = 1) <b>N/A</b>	Evaporation Rate <b>N/A</b>
Solubility in Water <b>Moderate</b>	Water Reactive <b>N/A</b>
Appearance and Color <b>Solid, white tablets with a chlorinous odor.</b>	

### SECTION 3 – FIRE AND EXPLOSION DATA

Flash Point & Method Used <b>N/A</b>	Auto Ignition Temperature <b>N/A</b>	Flamability Limits in Air % by Volume <b>Non-Flammable</b>	LEL <b>N/A</b>	UEL <b>N/A</b>
Extinguisher Media <b>Deluge with water.</b>				
Special Fire Fighting Procedures <b>Use NIOSII certified gas mask with canister for chlorine. If possible, remove container to open air and flood with water. Damp or decomposing material may be shock sensitive. Rap container sharply with a pole from a distant, protected position prior to handling.</b>				
Unusual Fire and Explosion Hazards <b>N/A</b>				

## SECTION 4 – REACTIVITY HAZARD DATA

Stability Conditions to Avoid  
 Stable  
 Unstable Open storage, excessive heat, moisture, moist air, combination with oxidizers or oxidizable materials.

Incompatibility (Materials to Avoid)

**Nitrogen compounds – ammonia, amines, ammonium compounds, reducing agents, oxidizable or combustible organics, strong oxidizers, acids, alkali.**

Hazardous Decomposition Products

**Chlorine, cyanogen chloride, nitrogen trichloride, ammonia, carbon dioxide.**

Hazardous Polymerization Conditions to Avoid

Will Not Occur

May Occur

**N/A**

## SECTION 5 – HEALTH HAZARD DATA

Primary Routes of Entry

Inhalation

Skin Absorption

Ingestion

Not Hazardous

Carcinogen Listed In

NTP

IARC Monograph

OSHA

Not Listed

Health Hazards

Acute: **Eye: Extreme irritant, cornea damage.**

Chronic: **Eye damage and lung damage.**

Signs and Symptoms of Exposure: **Eyes & Skin: Irritation, burning, redness, eye tearing. / Inhalation: Coughing, irritation to nose, throat, and mouth; headache, dizziness. / Ingestion: GI discomfort, nausea, vomiting.**

Medical Conditions Generally Aggravated by Exposure

**Persons with pre-existing eye, skin, and respiratory disorders may be susceptible to aggravation due to irritant nature of product.**

Emergency First Aid Procedures:

**See below.**

Eye Contact

**Immediately flush with water and call a physician.**

Skin Contact

**Immediately flush with water and call a physician.**

Inhalation

**Move to fresh air, call a physician and aid breathing if necessary.**

Ingestion

**If conscious, feed milk, followed by olive oil. Induce vomiting if large amount has been ingested. Call physician and follow all instructions.**

## SECTION 6 – CONTROL AND PROTECTIVE MEASURES

Respiratory Protection (Specific Type)

**NIOSII certified gas mask with canister for chlorine if above permissible limits.**

Protective Gloves

**Liquid – proof rubber.**

Eye Protection

**Do not wear contact lenses. Gas tight chemical goggles.**

Ventilation To Be Used

Local Exhaust

Mechanical (general)

Special

Other (specify):

Other Protective Clothing and Equipment

**Eye wash & safety shower in work/storage area. Wear full cover clothing as necessary to minimize contact with product.**

Hygienic Work Practices

**Remove contaminated clothing & launder before reuse. Wash well after use and observe good personal hygiene.**

## SECTION 7 – PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be taken if material is spilled or released

**Spilled or wet material should be dissolved in water and dechlorinated with a reducing agent (hydrogen peroxide, sodium nitrate, sodium thiosulfate). Dispose of material as per all local, state, and federal regulations.**

Water Disposal Methods

**Consult federal, state, and local regulations.**

Precautions to be taken in handling and storage

**Store in a cool, dry, well ventilated area away from combustibles and reactive materials. Keep container tightly closed when not in use. Do not reuse container. Wear proper protective gear when handling to minimize contact with product.**

Other Precautions and/or Special Hazards

**Keep away from children. Handle with care. Use product only as directed.**



# MATERIAL SAFETY DATA SHEET

## Spa Magic (anti-scale)

Identity (Trade name as used on label)

Manufacturer

**Jack's Magic Products, Inc.**

MSDS #

**N/A**

Address

**12435 73<sup>rd</sup> Court**

CAS #

**2809-21-4**

**Largo, FL 33773**

Date Prepared

**8/2012**

Phone # (for information)

**(813) 530-3552**

Prepared By

**N/A**

Emergency Phone #

**(800) 853-7673**

### SECTION 1 – MATERIAL IDENTIFICATION AND INFORMATION

COMPONENTS – Chemical Name & Common Name (Hazardous Components 1% or greater, carcinogens 0.1% or greater)	%	OSHA PEL	ACHH TLV	OTHER LIMITS RECOMMENDED
<b>Contains: 1- Hydroxyetiylidene-1, 1-Diphosphonic Acid</b>				
(Organic Phosphonic Acid Solution)				
Non-Hazardous Ingredients				
TOTAL				

### SECTION 2 – PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point

**Greater than 212 deg. F**

Specific Gravity (H<sub>2</sub> = 1)

**1.48**

Vapor Pressure (mm/Hg and Temperature)

**Similar to H2O**

Melting Point

**N/A**

Vapor Density (Air = 1)

**Similar to H2O**

Evaporation Rate

**N/A**

Solubility in Water

**Complete**

Water Reactive

**N/A**

Appearance and Color

**Clear liquid with slight odor.**

### SECTION 3 – HAZARDS IDENTIFICATION

	Health	Flammability	Reactivity
HMIS Hazard Code	3	1	1
NFPA Hazard Code	3	1	1

### SECTION 4 – FIRE AND EXPLOSION DATA

Flash Point & Method Used	Auto Ignition Temperature	Flamability Limits in Air % by Volume	LEL	UEL
<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>

Extinguisher Media

**Waterfog, C02, Foam, Dry Chemical**

Special Fire Fighting Procedures

**None**

Unusual Fire and Explosion Hazards

**None**

## SECTION 5 – REACTIVITY HAZARD DATA

Stability Conditions to Avoid  
 Stable  
 Unstable Strong Alkali

Incompatibility (Materials to Avoid)

**Strong Alkali**

Hazardous Decomposition Products

**N/A**

Hazardous Polymerization Conditions to Avoid

Will Not Occur

May Occur

**N/A**

## SECTION 6 – HEALTH HAZARD DATA

Primary Routes of Entry

Inhalation

Ingestion

Skin Absorption

Not Hazardous

Carcinogen Listed In

NTP

IARC Monograph

OSHA

Not Listed

Health Hazards

Acute: **Oral LD50 =3.1 g/kg Dermal LD50>10 g/kg**

Chronic: **N/A**

Signs and Symptoms of Exposure

**Over exposure may cause eye burns. Corrosive to eyes and skin.**

Medical Conditions Generally Aggravated by Exposure

**Not tested, but none expected.**

Emergency First Aid Procedures

**See below.**

Eye Contact

**Flush with clean, cool water for 15 minutes. See a physician.**

Skin Contact

**Wash with soap and water. See a physician if irritation occurs. Remove and wash clothing.**

Inhalation

**Remove to fresh air. See a physician.**

Ingestion

**N/A**

## SECTION 7 – CONTROL AND PROTECTIVE MEASURES

Respiratory Protection (Specific Type)

**Not Required**

Protective Gloves

**Rubber**

Eye Protection

**Safety Goggles**

Ventilation To Be Used

Local Exhaust

Mechanical (general)

Special

Other (specify):

Other Protective Clothing and Equipment

**Recommended**

Hygienic Work Practices

**N/A**

## SECTION 8 – PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be taken of material is spilled or released

**Large Spills: Dam area to prevent spreading. Dispose of in accordance with EPA hazardous waste #D002 due to pH. Small Spills: Flush to sewer with copious amounts of water.**

Water Disposal Methods

**N/A**

Precautions to be taken in handling and storage

**Do not get in eyes, on skin, or clothing. Avoid breathing mist.**

Other Precautions and/or Special Hazards

**Waste Disposal Methods: Neutralize with lime or soda. Ask and dispose of in accordance with local, state and federal regulations.**

# MATERIAL SAFETY DATA SHEET

## Spa Magic (Clarifier)

Identity (Trade name as used on label)

Manufacturer

**Jack's Magic Products, Inc.**

MSDS #

**N/A**

Address

**12435 73<sup>rd</sup> Court**

CAS #

**N/A**

**Largo, FL 33773**

Date Prepared

**8/2012**

Phone # (for information)

**(800) 348-1656**

Prepared By

**N/A**

Emergency Phone #

**(800) 853-7673**

### SECTION 1 – MATERIAL IDENTIFICATION AND INFORMATION

COMPONENTS – Chemical Name & Common Name (Hazardous Components 1% or greater, carcinogens 0.1% or greater)	%	OSHA PEL	ACHH TLV	OTHER LIMITS RECOMMENDED
<b>Contains: The components of this product comprise proprietary information.</b>				
Non-Hazardous Ingredients				
TOTAL				

### SECTION 2 – PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point

**Greater than 212 deg. F**

Specific Gravity (H<sub>2</sub> = 1)

**1.06**

Vapor Pressure (mm/Hg and Temperature)

**N/A**

Melting Point

**N/A**

Vapor Density (Air = 1)

**N/A**

Evaporation Rate

**N/A**

Solubility in Water

**Completely miscible in water.**

Water Reactive

**N/A**

Appearance and Color

**Clear brown liquid with slight odor.**

### SECTION 3 – HAZARDS IDENTIFICATION

	Health	Flammability	Reactivity
HMIS Hazard Code	3	1	1
NFPA Hazard Code	3	1	1

### SECTION 4 – FIRE AND EXPLOSION DATA

Flash Point & Method Used	Auto Ignition Temperature	Flamability Limits in Air % by Volume	LEL	UEL
<b>None below 212 deg. F</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>

Extinguisher Media

**Water fog, carbon dioxide, foam, dry chemical.**

Special Fire Fighting Procedures

**None**

Unusual Fire and Explosion Hazards

**None**

## SECTION 5 – REACTIVITY HAZARD DATA

Stability Conditions to Avoid  
 Stable  
 Unstable None

Incompatibility (Materials to Avoid)

**None**

Hazardous Decomposition Products

**None**

Hazardous Polymerization Conditions to Avoid

Will Not Occur

May Occur

**None**

## SECTION 6 – HEALTH HAZARD DATA

Primary Routes of Entry

Inhalation

Ingestion

Skin Absorption

Not Hazardous

Carcinogen Listed In

NTP

IARC Monograph

OSHA

Not Listed

Health Hazards

Acute: **Oral LD50-3.7 g/kg Dermal DL50>2 g/kg Inhalation LC50>26.4 mg/L**

Chronic: **N/A**

Signs and Symptoms of Exposure

**Irritating to eyes, produces reversible minimal effects in the form of erythema, chemosis, and discharge. Not irritating to skin.**

Medical Conditions Generally Aggravated by Exposure

**None**

Emergency First Aid Procedures

**See Below.**

Eye Contact

**Flush with clean, cool water for 15 minutes. See a physician if irritation occurs.**

Skin Contact

**Wash with soap and water. See a physician if irritation occurs. Remove and wash contaminated clothing.**

Inhalation

**Remove to fresh air.**

Ingestion

**N/A**

## SECTION 7 – CONTROL AND PROTECTIVE MEASURES

Respiratory Protection (Specific Type)

**N/A**

Protective Gloves

**N/A**

Eye Protection

**N/A**

Ventilation To Be Used

Local Exhaust

Mechanical (general)

Special

Other (specify):

Other Protective Clothing and Equipment

**N/A**

Hygienic Work Practices

**N/A**

## SECTION 8 – PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be taken if material is spilled or released

**Large Spills: Dam area to prevent spill from entering fish-bearing water. Pump into appropriate containers. Dispose of as below. Small Spills: Flush liquid to sewer with copious amounts of water.**

Water Disposal Methods

Precautions to be taken in handling and storage

Other Precautions and/or Special Hazards

**Waste Disposal Methods: Product is not a hazardous waste. It can be disposed of in any approved landfill.**

# MATERIAL SAFETY DATA SHEET

## Spa Magic (Shock)

Identity (Trade name as used on label)

Manufacturer

**Jack's Magic Products, Inc.**

MSDS #

**N/A**

Address

**12435 73<sup>rd</sup> Court**

CAS #

**N/A**

**Largo, FL 33773**

Date Prepared

**8/2012**

Phone # (for information)

**(800) 348-1656**

Prepared By

**N/A**

Emergency Phone #

**(800) 853-7673**

### SECTION 1 – MATERIAL IDENTIFICATION AND INFORMATION

COMPONENTS – Chemical Name & Common Name (Hazardous Components 1% or greater, carcinogens 0.1% or greater)	%	OSHA PEL	ACHH TLV	OTHER LIMITS RECOMMENDED
<b>Contains: This formulation comprises proprietary information.</b>				
Non-Hazardous Ingredients				
TOTAL				

### SECTION 2 – PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point

**Decomposes**

Specific Gravity (H<sub>2</sub> = 1)

**1.1 – 1.4**

Vapor Pressure (mm/Hg and Temperature)

**Nil**

Melting Point

**N/A**

Vapor Density (Air = 1)

**Non – Volatile**

Evaporation Rate

**N/A**

Solubility in Water

**25.6% at 20 deg. C**

Water Reactive

**N/A**

Appearance and Color

**White granules or powder with no odor.**

### SECTION 3 – HAZARDS IDENTIFICATION

	Health	Flammability	Reactivity
HMIS Hazard Code	1	0	0
NFPA Hazard Code	1	0	0

### SECTION 4 – FIRE AND EXPLOSION DATA

Flash Point & Method Used	Auto Ignition Temperature	Flamability Limits in Air % by Volume	LEL	UEL
<b>Will Not Burn</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>

Extinguisher Media

**Water**

Special Fire Fighting Procedures

**None**

Unusual Fire and Explosion Hazards

**Grinding or intensive mixing may generate sufficient heat to fuse and cause ignition of oxidizable material present.**

### SECTION 5 – REACTIVITY HAZARD DATA

Stability Conditions to Avoid  
 Stable  
 Unstable Heat, Alkaline conditions

Incompatibility (Materials to Avoid)

**Heavy metals cause evolution of oxygen gas. Certain organic materials may react violently.**

Hazardous Decomposition Products

**N/A**

Hazardous Polymerization Conditions to Avoid

Will Not Occur  
 May Occur

**N/A**

## SECTION 6 – HEALTH HAZARD DATA

Primary Routes of Entry

Inhalation  Ingestion  
 Skin Absorption  Not Hazardous

Carcinogen Listed In

NTP  OSHA  
 IARC Monograph  Not Listed

Health Hazards

Acute: **Oral LD50: 2250 – 9500 mg/kg (rats) Inhalation LC50:>5 mg/L (rats)**

Chronic: **N/A**

Signs and Symptoms of Exposure

**Causes irritation of skin and eyes due to oxidizing properties.**

Medical Conditions Generally Aggravated by Exposure

**N/A**

Emergency First Aid Procedures

**See Below.**

Eye Contact

**Flush with water and call a physician.**

Skin Contact

**N/A**

Inhalation

**Remove to fresh air.**

Ingestion

**Give water and call a physician.**

## SECTION 7 – CONTROL AND PROTECTIVE MEASURES

Respiratory Protection (Specific Type)

**None for normal use; dust mask if necessary.**

Protective Gloves

**Rubber or plastic.**

Eye Protection

**Splash goggles.**

Ventilation To Be Used

Local Exhaust  Mechanical (general)  Special  Other (specify):

Other Protective Clothing and Equipment

**N/A**

Hygienic Work Practices

**N/A**

## SECTION 8 – PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be taken if material is spilled or released

**Sweep up and flush with water.**

Water Disposal Methods

**N/A**

Precautions to be taken in handling and storage

**Store in cool, dry place. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling.**

Other Precautions and/or Special Hazards

**Waste disposal methods: Comply with federal, state, and local regulations.**