

MATERIAL SAFETY DATA SHEET

formula one

Identity (Trade Name As Used on Label)

Manufacturer

Jack's Magic Products, Inc.

Address

6950 112th Circle

Largo, FL 33773

Phone Number (for Information)

1-800-348-1656

Emergency Phone Number

1-800-424-9300 (international 703-527-3887)

MSDS Number*

N/A

CAS Number*

N/A

Date Prepared

8/1/03

Prepared By*

N/A

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION

COMPONENTS - Chemical Name & Common Names (Hazardous Components 1% or greater, Carcinogens 0.1% or greater)	% *	OSHA PEL	ACHIH TLV	OTHER LIMITS RECOMMENDED
Proprietary Formulation	100			
Contains: (1-Hydroxyethylidene-1, 1-diphosphonic Acid)				
Non-Hazardous Ingredients				
TOTAL	100			

SECTION 2 - PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point	Specific Gravity (H ₂) = 1)
Greater than 212° F	1.19
Vapor Pressure (mm Hg and Temperature)	Melting Point
Similar to water	N/A
Vapor Density (Air = 1)	Evaporation Rate
Similar to water	N/A
Solubility in Water	Water Reactive
Complete	N/A
Appearance and Odor	
Clear blue (may turn straw-colored to light amber if dye fades) liquid; slight odor.	

SECTION 3 - FIRE AND EXPLOSION DATA

Flash Point and Method Used	Auto Ignition Temperature	Flammability Limits in Air % by Volume	LEL	UEL
Non-flammable	N/A	N/A	N/A	N/A

Extinguisher Media

Waterfog CO₂, Foam, Dry Chemical

Special Fire Fighting Procedures

Eliminate ignition source. Wear self-contained breathing apparatus and complete personal protective equipment. Use water spray to cool fire, exposed structures and tanks, and to disperse vapor cloud if fire is not present.

Unusual Fire and Explosion Hazards

Although this material does not meet the parameters for flammability, it will burn in the presence of a strong ignition source after the water is removed.

SECTION 4 - REACTIVITY HAZARD DATA

Stability Conditions to Avoid
 Stable
 Unstable Avoid contact with strong oxidizing agents.

Incompatibility (Materials to Avoid)

Oxidizers

Hazardous Decomposition Products

None known.

Hazardous Polymerization Conditions to Avoid

Will Not Occur
 May Occur Avoid contact with strong oxidizing agents.

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 May cause skin and eye burns.

Chronic None known.

Signs and Symptoms of Exposure

May cause skin and eye burns.

Medical Conditions Generally Aggravated by Exposure

None known.

Emergency First Aid Procedures

See below.

Eye Contact Immediately flush eyes with plenty of water for at least 15 minutes. Hold eyelids open during washing. See a physician if irritation occurs.

Skin Contact Immediately flush skin with plenty of water while removing contaminated clothing and shoes. Thoroughly wash before reuse or discard. See a physician if irritation occurs.

Inhalation Remove patient from contaminated area. Give oxygen if needed. See a physician if irritation of respiratory tract occurs.

Ingestion DO NOT induce vomiting. Drink a quart of water. (DO NOT give food to an unconscious person). Seek immediate medical attention.

SECTION 6 - CONTROL AND PROTECTIVE MEASURES

Respiratory Protection (Specify Type)
None required for normal operations.

Protective Gloves
Impervious gloves

Eye Protection
Splash-proof safety goggles.

Ventilation to be Used
 Local Exhaust Mechanical (general) Special Other (specify) Normal room ventilation.

Other Protective Clothing and Equipment
Wear protective clothing to minimize skin contact and chemical resistant safety shoes.

Hygienic Work Practices
Do not get in eyes, on skin, or on clothing. Avoid breathing vapor and mist. Handle with due care.

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken if Material is Spilled or Released

Floor will become slippery. Use care. Wear splash-proof eye protection and impervious clothing. Contain spill with inert material (sand, earth, etc.) and transfer to separate containers for disposal.

Water Disposal Methods

Dispose of in accordance with all applicable local, state and federal regulations. Empty contains retain vapor or product residue and can be dangerous.

Precautions to be Taken in Handling and Storage

Avoid contact with skin and eyes. Avoid contact with strong oxidizers. Keep out of reach of children.

Other Precautions and/or Special Hazards

N/A

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formula two

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Proprietary Formulation	100			
Non-Hazardous Ingredients				
TOTAL	100			

SECTION 2 - PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point	Specific Gravity (H ₂) = 1)
100° C	1.0 - 1.05
Vapor Pressure (mm Hg and Temperature)	Melting Point
N/A	N/A
Vapor Density (Air = 1)	Evaporation Rate
Same as water	N/A
Solubility in Water	Water Reactive
99%	N/A
Appearance and Odor	
Amber to tan liquid with lemon scent	

SECTION 3 - FIRE AND EXPLOSION DATA

Flash Point and Method Used	Auto Ignition Temperature	Flammability Limits in Air % by Volume	LEL	UEL
Non-determined	N/A	N/A	N/A	N/A

Extinguisher Media

No special requirements, water and foam are suitable.

Special Fire Fighting Procedures

No distinctly hazardous decomposition products are known to exist, nor are there special firefighting requirements, however, self-contained breathing apparatus and protective clothing should be worn in fighting fires involving chemicals.

Unusual Fire and Explosion Hazards

None known.

SECTION 4 - REACTIVITY HAZARD DATA

Stability Stable Unstable Conditions to Avoid
Strong acids or alkali compounds may inactivate biological cultures

Incompatibility (Materials to Avoid)
Strong acids or alkali compounds may inactivate biological cultures

Hazardous Decomposition Products
None

Hazardous Polymerization Will Not Occur May Occur Conditions to Avoid
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 **None known.**
Chronic **None known.**

Signs and Symptoms of Exposure
Irritation of the mouth, pharynx, esophagus and stomach can develop following ingestion.

Medical Conditions Generally Aggravated by Exposure
None known.

Emergency First Aid Procedures
See below.

Eye Contact
Immediately flush with plenty of water for at least 15 min. and have examined and treated by medical personnel.

Skin Contact
Remove contaminated clothing and footwear. Wash material off the skin with plenty of soap and water. Wash clothing and footwear before reuse.

Inhalation
Remove victim to fresh air.

Ingestion
Drink water or milk to dilute. Induce vomiting only if advised by physician or poison control center. Call poison control center.

SECTION 6 - CONTROL AND PROTECTIVE MEASURES

Respiratory Protection (Specify Type)
None required for recommended use. Avoid creating aerosols in poorly ventilated areas.

Protective Gloves
None required

Eye Protection
Chemical type face shield recommended.

Ventilation to be Used Local Exhaust Mechanical (general) Special Other (specify)

Other Protective Clothing and Equipment
N/A

Hygienic Work Practices
General hygienic work practices should be followed.

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken if Material is Spilled or Released

Wear approved respirator for nuisance dust during cleanup. For small spills, flush to waste treatment sewer (product is biodegradable). For large spills, contain and collect for reuse.

Water Disposal Methods

N/A

Precautions to be Taken in Handling and Storage

Prevent skin and eye contact. Avoid creating aerosol. Wash hands thoroughly with soap and water after use.

Other Precautions and/or Special Hazards

N/A

MATERIAL SAFETY DATA SHEET

formula three

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SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION

COMPONENTS - Chemical Name & Common Names (Hazardous Components 1% or greater, Carcinogens 0.1% or greater)	% *	OSHA PEL	ACHIH TLV	OTHER LIMITS RECOMMENDED
Proprietary Formulation				
Non-Hazardous Ingredients				
TOTAL	100			

SECTION 2 - PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point	Specific Gravity (H ₂) = 1)
>212° F	1.27
Vapor Pressure (mm Hg and Temperature)	Melting Point
<water	N/A
Vapor Density (Air = 1)	Evaporation Rate
N/A	<1
Solubility in Water	Water Reactive
Complete	N/A
Appearance and Odor	
Clear, slightly yellow liquid	

SECTION 3 - FIRE AND EXPLOSION DATA

Flash Point and Method Used	Auto Ignition Temperature	Flammability Limits in Air % by Volume	LEL	UEL
N/A (water solution)	N/A	N/A	N/A	N/A

Extinguisher Media

Non-flammable, use appropriate extinguishing methods for surrounding fire

Special Fire Fighting Procedures

Self-contained positive pressure breathing apparatus and protective clothing should be worn in fighting fires involving chemicals.

Unusual Fire and Explosion Hazards

None known.

SECTION 4 - REACTIVITY HAZARD DATA

Stability Stable Unstable Conditions to Avoid
Contact with strong acids, bases, oxidizing agents, alkaloidal and heavy metal salts.

Incompatibility (Materials to Avoid)
strong acids, bases, oxidizing agents, alkaloidal and heavy metal salts

Hazardous Decomposition Products
Includes bromine

Hazardous Polymerization Will Not Occur May Occur Conditions to Avoid
strong acids, bases, oxidizing agents, alkaloidal and heavy metal salts

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 **The eyes, skin or nasal passages could be irritated from prolonged exposure.**
Chronic **None known.**

Signs and Symptoms of Exposure
The eyes, skin or nasal passages could be irritated from prolonged exposure.

Medical Conditions Generally Aggravated by Exposure
None known.

Emergency First Aid Procedures
See below.

Eye Contact
Flush immediately with plenty of water for at least 15 minutes. Seek medical attention immediately if irritation persists.

Skin Contact
Wash thoroughly with soap and water. Remove contaminated clothing and clean before reuse.

Inhalation
Remove to fresh air. Give oxygen or apply artificial respiration if needed.

Ingestion
Drink one to two glasses of water. Do not induce vomiting. Seek medical attention.

SECTION 6 - CONTROL AND PROTECTIVE MEASURES

Respiratory Protection (Specify Type)
No special ventilation requirements are needed

Protective Gloves **Chemical resistant** Eye Protection **Goggles or glasses with side shield recommended**

Ventilation to be Used Local Exhaust Mechanical (general) Special Other (specify)

Other Protective Clothing and Equipment
No special requirements are necessary

Hygienic Work Practices
Do not get in eyes, on skin, or on clothing. Avoid breathing vapor and mist. Handle with due care.

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken if Material is Spilled or Released

Small spills should be flushed with large quantities of water. Larger spills should be collected for disposal. Slippery under foot.

Water Disposal Methods

Recovered material should be disposed by incineration or deposited in a landfill where permitted by federal, state and local regulations. To the best of Jack's Magic's knowledge, the product is not regulated by CERCLA/RCRA as a hazardous waste or material.

Precautions to be Taken in Handling and Storage

Store in a cool, dry area. Keep out of reach of children. For industrial use only.

Other Precautions and/or Special Hazards

Empty container should be disposed of in an environmentally safe manner and in accordance with governmental regulations.