



# SAFETY DATA SHEET

## COPPER & SCALE STUFF

FILE NO.: SDS-0005

MSDS DATE: 12/16/2015

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: COPPER & SCALE STUFF  
SYNONYMS: STAIN SOLUTION #2 – The COPPER & SCALE STUFF  
PRODUCT CODES: NA

MANUFACTURER: Jack's Magic  
DIVISION: FL  
ADDRESS: Largo, FL

EMERGENCY PHONE: 727-560-3177  
CHEMTREC PHONE: 800-424-9300  
OTHER CALLS: 727-504-0400  
FAX PHONE: 727-532-0250

CHEMICAL NAME: COPPER & SCALE STUFF  
CHEMICAL FAMILY: Oxidizing Agents  
CHEMICAL FORMULA: Proprietary

PRODUCT USE: Pool and Spa  
PREPARED BY: J. Virgilio

SECTION 1 NOTES: NA

### SECTION 2: HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW:** This product is a strong acid and causes severe irritation or burns upon contact with eyes, skin, or mucous membranes of the respiratory tract. Inhalation of high levels can cause pulmonary edema (fluid in the lungs) which may be life-threatening. Be sure to wear safety glasses and gloves when handling this material.

Harmful if swallowed.

Risk of serious damage to eyes. Wear gloves and eye protection (or face shield)

**ROUTES OF ENTRY: EYES, SKIN CONTACT, INHALATION, INGESTION.**

#### POTENTIAL HEALTH EFFECTS

##### ACUTE HEALTH HAZARDS:

**Skin:** Hazardous in case of skin contact (severe irritant). Scarring may be permanent.

**Inhalation:** Inhalation of this product particulates can cause severe irritation and burns of the nose and respiratory tract. Inhalation of high levels can cause pulmonary edema (fluid in the lungs) which may be delayed up to 48 hours.

**Eyes:** Eye contact (irritant – can cause serious damage/burns). Scarring may be permanent.

**Ingestion:** The mouth and esophagus may appear grayish-white progressing to black with a shrunken and wrinkled texture. Esophageal or stomach perforation may occur. Circulatory collapse occurs in extreme cases with clammy skin, weak and rapid pulse, shallow respiration, and scanty urine. Uncorrected circulatory collapse can cause kidney failure and ischemic (localized tissue anemia due to decreased inflow of arterial blood) lesions of the heart and liver. Death is generally due to circulatory collapse or asphyxiation due to glottis edema (fluid and swelling in the epiglottis which causes insufficient oxygen to reach the windpipe). The estimated human lethal dose is 0.5 to 5 g/kg (1 oz to 1 pint for a 70 kg/150 lb person).

**Carcinogenicity:** IARC, NTP, and OSHA do not list this acid as a carcinogen.

##### CHRONIC HEALTH HAZARDS:

**CARCINOGENIC EFFECTS:** Not available.

**MUTAGENIC EFFECTS:** Not available.

**TERATOGENIC EFFECTS:** Not available.

**DEVELOPMENTAL TOXICITY:** Not available.

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** None Known

Components of this product contain no known Carcinogenic agents.



# SAFETY DATA SHEET COPPER & SCALE STUFF

FILE NO.: SDS-0005  
MSDS DATE: 12/16/2015

SECTION 2 NOTES: NA

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## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

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### INGREDIENTS:

<u>CAS NO.</u>	<u>% WT</u>
Component A	>90
INERT Proprietary	Balance

SECTION 3 NOTES: Proprietary Formulation

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## SECTION 4: FIRST AID MEASURES

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**EYES:** Do not allow victim to rub or keep eyes tightly shut. Gently lift eyelids and rinse immediately with plenty of water until victim can see a physician or eye doctor. *Acute symptoms after contact: inflammation/damage to eye tissue. Corrosion of the eye tissue.*

**SKIN:** In case of contact, immediately remove contaminated clothing (if not stuck to skin) and flush skin with plenty of water for at least 15 minutes. Cover the irritated skin with an emollient. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. If irritation persists seek medical attention. *Acute symptoms after contact: No significant irritation.*

**INGESTION:** Never give mouth to mouth to an unconscious or convulsing person. Contact a poison control center. Unless the poison control center advises otherwise, have the conscious and alert person drink 1 to 2 glasses of water to dilute product in stomach. Do not induce vomiting because of the corrosive nature of the acid. Vomiting will worsen esophageal irritation/condition. *Acute symptoms after contact: irritation or burns to mouth and throat.*

**INHALATION:** If inhaled, remove to fresh air. If not breathing, give artificial respiration (CPR). If breathing is difficult, give oxygen. Get medical attention immediately. *Acute symptoms after contact: Dry/sore throat. Coughing. Irritation of the respiratory tract. Irritation of the nasal mucous membranes.*

**NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:** Treatment is symptomatic and supportive. Treat as for thermal burns. Severe inhalation exposures may result in delayed pulmonary edema; in these cases consider close observation for 24 to 48 hours.

SECTION 4 NOTES: NA

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## SECTION 5: FIRE-FIGHTING MEASURES

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**FLAMMABLE LIMITS IN AIR, UPPER:** Not Available  
**(% BY VOLUME) LOWER:** Not Available

**FLASH POINT:** Non-combustible

**METHOD USED:** NA

**AUTOIGNITION TEMPERATURE:** Non-combustible

**HMS HAZARD CLASSIFICATION**

**HEALTH: 2**

**FLAMMABILITY: 0**

**REACTIVITY: 0**

**PROTECTION: NA**

**EXTINGUISHING MEDIA:** Use agent suitable for surrounding fire.



# SAFETY DATA SHEET

## COPPER & SCALE STUFF

FILE NO.: SDS-0005

MSDS DATE: 12/16/2015

**SPECIAL FIRE FIGHTING PROCEDURES:** Due to thermal toxic decomposition products produced, wear a self-contained breathing apparatus (SCBA) with a full facepiece operated in pressure-demand or positive-pressure mode.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Emits toxic gases when heated.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Emits toxic gases when heated.

**SECTION 5 NOTES:** NA

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### SECTION 6: ACCIDENTAL RELEASE MEASURES

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**PERSONAL PRECAUTIONS:** For personal protection see section 8. Persons not wearing appropriate protective gear should be excluded from area of spill until clean-up has been completed.

**ENVIRONMENTAL PRECAUTIONS:** Prevent spreading concentrate solution over a wide area (e.g. by containment or oil barriers). Do not let product enter drains. Do not flush into surface water or sanitary sewer system. Spilled material must be collected and properly disposed of. Never return spill material to its original container. Clean contaminated surfaces with plenty of water. Wash clothing and equipment after handling.

**METHODS FOR CLEAN-UP:** Keep in suitable, closed containers for disposal. Plug the leak(s), cut off supply of spill. Flush with plenty of water in the containment area for later collection and disposal. Do not release into sewers or waterways. Damp mop with dilute alkaline solution (sodium bicarbonate, sodium hydroxide, lime).

**SECTION 6 NOTES:** Small spills collected carefully not to disperse into the air. May be vacuumed with appropriate filter and properly disposed in accordance with all laws.

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### SECTION 7: HANDLING AND STORAGE

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**HANDLING:** Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use only in a well-ventilated area. Minimize dust generation and accumulation. Avoid contact with eyes, skin and clothing. Keep container tightly closed. Avoid ingestion and inhalation.

**STORAGE:** Store in a cool, dry, ventilated area. Keep out of direct sunlight. Keep only in original (labeled) tightly sealed container. Keep away from incompatible substances, such as bases or caustic chemicals. Meet all state and local legal requirements.

**OTHER PRECAUTIONS:** Containers of this material may be hazardous when emptied. Since emptied containers retain product residues, all hazard precautions given in the data sheet must be observed.

**SECTION 7 NOTES:** NA

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### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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**GENERAL ADVICE:** These recommendations provide general guidance for handling this product. Personal protective equipment should be selected for individual applications and should consider factors which affect exposure potential, such as handling practices, chemical concentrations and ventilation. It is ultimately the responsibility of the employer to follow regulatory guidelines established by local authorities.

**VENTILATION:** Provide general or local exhaust ventilation systems to maintain airborne concentrations as low as possible. Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

**RESPIRATORY PROTECTION:** A MSHA/NIOSH-approved air-purifying respirator with an appropriate cartridge (Type P2) and/or filter may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits (if applicable) or if overexposure has otherwise been determined. Protection provided by air-purifying respirators is limited. Use a positive pressure, air-supplied respirator if there is any potential for uncontrolled release, exposure levels are not known or any other circumstances where an air-purifying respirator may not provide adequate protection.



# SAFETY DATA SHEET

## COPPER & SCALE STUFF

FILE NO.: SDS-0005

MSDS DATE: 12/16/2015

**EYE PROTECTION:** Wear chemical splash goggles or face shield when there is potential for exposure of the eyes or face to liquid, vapor or mist. Maintain eye wash station in immediate work area.

**SKIN & BODY PROTECTION:** Wear appropriate chemical impervious clothing, gloves and boots whenever there is potential for skin contact with product (PVC or Rubber). Launder clothing before reuse. Maintain safety shower at all locations where skin contact is imminent. Contact your local safety equipment supplier to assist the facility in determining proper selection of personal protective equipment for the applications/operations present at your facility. Wear resistant gloves (consult your safety equipment supplier). Discard gloves that show tears, pinholes, or signs of wear.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** Aprons are to be worn if material is likely to splash, spill or produce a mist, vapor or spray.

**WORK HYGIENIC PRACTICES:** Wash hands often and whenever you have completed handling this material before you handle other items including your eyes, mouth, etc.

**EXPOSURE GUIDELINES:** Mechanical ventilation systems used to ventilate corrosive storage or process areas in areas, such as manufacturing, should be designed with components that are corrosion resistant.

**SECTION 8 NOTES:** Never eat, drink or use smokeless or smoke tobaccos in work areas. Practice good hygiene after using this product, especially before eating, drinking, using the toilet or applying cosmetics.

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### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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**APPEARANCE:** White (to off-white) orthorhombic crystals Solid

**ODOR:** Odorless

**PHYSICAL STATE:** Crystalline solid, crystalline powder.

**pH AS SUPPLIED:** NA

**pH (1% Solution in H<sub>2</sub>O):** 1.18 @ 77 deg F.

**BOILING POINT:** 401 deg F.

**MELTING POINT:** 401 deg F.

**FREEZING POINT:** NA

**VAPOR PRESSURE (kPa):** 0.006 mm Hg at 68 deg F.

**VAPOR DENSITY (AIR = 1):** NA

**SPECIFIC GRAVITY (H<sub>2</sub>O = 1):** 2.15 g/cc

**EVAPORATION RATE:** NA

**POLYMERIZATION:** Will Not Occur.

**SOLUBILITY IN WATER:** 6.5 parts water at 32 deg F; 2 parts water at 176 deg F.

**PERCENT SOLIDS BY WEIGHT:** 100%

**PERCENT VOLATILE:** NA

**VOLATILE ORGANIC COMPOUNDS (VOC):** NA

**MOLECULAR WEIGHT:** 2140 kg/m<sup>3</sup>

**SECTION 9 NOTES:** NA



# SAFETY DATA SHEET

## COPPER & SCALE STUFF

FILE NO.: SDS-0005

MSDS DATE: 12/16/2015

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### SECTION 10: STABILITY AND REACTIVITY

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**REACTIVITY:** Toxic gases can be produced in the presence of excessive heat.

**STABILITY:** Stable when dry, but it slowly hydrolyses in solution to form ammonium bisulfate.

**CONDITIONS TO AVOID (STABILITY):** Exposure to incompatibles and dispersion of particulates into air.

**INCOMPATIBILITY:** Undergoes a violent or explosive reaction with chlorine, metal nitrates + heat, metal nitrates +heat, and fuming nitric acid.

**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** Reacts with many compounds: oxidation resulting in increased fire or explosion risk. Upon combustion: CO and CO<sub>2</sub> are formed.

**HAZARDOUS POLYMERIZATION:** Material will not undergo hazardous polymerization.

**SECTION 10 NOTES:** NA

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### SECTION 11: TOXICOLOGICAL INFORMATION

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**ACUTE TOXICOLOGICAL:** Oral – LD<sub>50</sub> – 3160 mg/kg (Rat); 1312 mg.kg (mouse – caused altered sleep time)  
Dermal – 4% solution applied intermittently for 5 days caused mild irritation (human)  
Inhalation – NA

**\*Conclusion:** Harmful if swallowed.

**CORROSION / IRRITATION:** EYE: Highly irritating – 20 mg caused moderate irritation; 250 mg/24 hr. caused serious irritation. (Rabbit)  
SKIN: No Data Available.  
INHALATION – No Data Available.

**\*Conclusion:** Causes serious eye damage.

**RESPIRATORY OR SKIN SENSITIVITY:**

SKIN: No Data Available.  
INHALATION: No Data Available.

**\*Conclusion:** NA

**SPECIFIC TARGET ORGAN TOXICITY:**

ORAL: No Data Available.  
DERMAL: No Data Available.  
INHALATION: No Data Available.

**SECTION 11 NOTES:** NA

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### SECTION 12: ECOLOGICAL INFORMATION

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**BIODEGRADABILITY:** No Data Available

**TOXICITY TO FISH:** No Data Available.

**TOXICITY TO ALGAE:** No Data Available

**TOXICITY TO BACTERIA:** No Data Available

**BIOCHEMICAL OXYGEN DEMAND:** No Data Available

**CHEMICAL OXYGEN DEMAND:** No Data Available

**SECTION 12 NOTES:** NA



# SAFETY DATA SHEET

## COPPER & SCALE STUFF

FILE NO.: SDS-0005

MSDS DATE: 12/16/2015

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### SECTION 13: DISPOSAL CONSIDERATIONS

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**WASTE DISPOSAL METHOD:** Dilute with water, neutralize with alkaline material (lime, sodium bicarbonate, sodium hydroxide). Waste must be disposed of in accordance with federal, state and local environmental control regulations. Remove to an authorized plant for destruction, neutralization and elimination of hazardous waste. Hazardous waste shall not be mixed together with other waste or other types of hazardous waste, if it may entail a risk of pollution or create problems for future management of the waste.

SECTION 13 NOTES: NA

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### SECTION 14: TRANSPORT INFORMATION

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**U.S. DEPARTMENT OF TRANSPORTATION:**

**PROPER SHIPPING NAME:** Corrosive solid, acidic, inorganic, n.o.s.  
**HAZARD CLASS:** 8  
**ID NUMBER:** UN3260  
**PACKING GROUP:** III  
**LABEL STATEMENT:** NA  
**LIMITED QUANTITIES:** NA

**WATER TRANSPORTATION:**

**PROPER SHIPPING NAME:** Corrosive solid, acidic, inorganic, n.o.s.  
**HAZARD CLASS:** 8  
**ID NUMBER:** UN3260  
**PACKING GROUP:** III  
**LABEL STATEMENT:** NA  
**LIMITED QUANTITIES:** NA

**RAIL (RID) TRANSPORTATION:**

**PROPER SHIPPING NAME:** Corrosive solid, acidic, inorganic, n.o.s.  
**HAZARD CLASS:** 8  
**ID NUMBER:** UN3260  
**PACKING GROUP:** III  
**LABEL STATEMENT:** NA  
**LIMITED QUANTITIES:** NA

**AIR (ICAO-TI/IATA-DGR) TRANSPORTATION:**

**PROPER SHIPPING NAME:** Corrosive solid, acidic, inorganic, n.o.s.  
**HAZARD CLASS:** 8  
**ID NUMBER:** UN3260  
**PACKING GROUP:** III  
**LABEL STATEMENT:** NA  
**LIMITED QUANTITIES:** NA

OTHER AGENCIES: NA

SECTION 14 NOTES: NA

Dangerous goods description (if indicated above) may not reflect quantity, end-use or region-specific exceptions that may apply. Consult shipping documents for descriptions that are specific to the shipment.



# SAFETY DATA SHEET

## COPPER & SCALE STUFF

FILE NO.: SDS-0005  
MSDS DATE: 12/16/2015

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### SECTION 15: REGULATORY INFORMATION

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#### U.S. FEDERAL REGULATIONS

**TSCA (TOXIC SUBSTANCE CONTROL ACT):** Listed on TSCA inventory.

**CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):** NOT REGULATED

**SARA (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT): Section 302 (RQ)** No RQ for this product.

**CLEAR AIR ACT:** This material does not contain any hazardous air pollutants. This product does not contain Class 1 or Class 2 Ozone depleters.

**CLEAN WATER ACT:** None of the chemicals in this product are listed as Hazardous Substances, Priority Polutants or Toxic Pollutants under the CWA.

**OSHA:** None of the chemicals in this product are considered highly hazardous by OSHA.

**STATE REGULATIONS:** NJ and CA have the chemical in this product listed as having No Significant Risk level.

#### INTERNATIONAL REGULATIONS:

**European Legislation:** In accordance with EC Directives.

**SECTION 15 NOTES:** NA

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### SECTION 16: OTHER INFORMATION

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**REFERENCES:** Information based on classification according to B.C. (01/2015).

**PREPARATION INFORMATION CREATED:** 12/16/2015 **LAST UPDATED:** 12/16/2015

**DISCLAIMER:** The information accumulated herein is believed to be accurate and represents the best information currently available. However we make no warranty of merchantability or any other warranty, expressed or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Jack's Magic Products be liable for ay claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Jack's Magic Products has been advised of the possibility of such damages.



# THE IRON, COBALT, & SPOT ETCHING STUFF

## SAFETY DATA SHEET

OSHA HCS (29 CFR 1910.1200)

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**Product identifier**

Chemical Name	Trade Secret
Trade Names	The Iron, Cobalt, & Spot Etching Stuff
CAS No.	Trade Secret

**Relevant identified uses of the substance or mixture and uses advised against**

Identified Use(s)	Swimming Pool Maintenance
Uses Advised Against	None

**Details of the supplier of the safety data sheet**

Company Identification	Jack's Magic Products, Inc. 12435 73 <sup>rd</sup> Court Largo, FL 33773 United States of America
Telephone	(800) 348-1656 / (727) 536-4500
Fax	(727) 532-0250
E-Mail (competent person)	<a href="mailto:Regulatory@JacksMagic.com">Regulatory@JacksMagic.com</a>

**Emergency telephone number**

Emergency Phone No.	CHEMTREC 24 hr. 1-800-424-9300 / 1 (703) 527-3887 (Collect calls accepted)
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### SECTION 2: HAZARDS IDENTIFICATION

**Classification of the substance or mixture**

OSHA HCS (29 CFR 1910.1200)	Not classified as dangerous for supply/use.
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**Label elements**

Hazard Symbol(s)	None
Signal Word(s)	None
Hazard Statement(s)	May cause mechanical irritation of the skin and eyes.
Precautionary Statement(s)	IF SWALLOWED: Not normally required. Call a POISON CENTER or doctor/physician if you feel unwell. Treat symptomatically. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation develops and persists, get medical attention. IF ON SKIN: Wash with plenty of soap and water. If irritation (redness, rash, blistering) develops, get medical attention. Keep out of reach of children.

**Other hazards**

None

**Additional Information**

None

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredient(s)	*%W/W	CAS No.	Hazard Statement(s)
Proprietary antioxidant	100	Trade Secret	Not classified as dangerous for supply/use.





# THE IRON, COBALT, & SPOT ETCHING STUFF

Additional Information – None

\* The exact percentage withheld as a trade secret in accordance with 29 CFR 1910.1200.

## SECTION 4: FIRST AID MEASURES



### Description of first aid measures

Inhalation	Not normally required. Treat symptomatically.
Skin Contact	Wash with plenty of soap and water. If skin irritation occurs, get medical advice/attention. Take off contaminated clothing and wash it before reuse.
Eye Contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation develops and persists, get medical attention.
Ingestion	Not normally required. Call a POISON CENTER or doctor/physician if you feel unwell. Treat symptomatically.
<b>Most important symptoms and effects, both acute and delayed</b>	Causes serious eye damage.
<b>Indication of any immediate medical attention and special treatment needed</b>	None

## SECTION 5: FIRE-FIGHTING MEASURES

### Extinguishing Media

-Suitable Extinguishing Media	As appropriate for surrounding fire. Product is not classified as flammable or combustible, but will burn on prolonged exposure to flame or high temperature.
-Unsuitable Extinguishing Media	None anticipated.
<b>Special hazards arising from the substance or mixture</b>	None anticipated.
<b>Advice for fire-fighters</b>	Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

<b>Personal precautions, protective equipment and emergency procedures</b>	Avoid contact with skin and eyes.
<b>Environmental precautions</b>	Do not allow to enter drains, sewers or watercourses.
<b>Methods and material for containment and cleaning up</b>	Sweep up and shovel into waste drums or plastic bags. Wash the spillage area with water. If possible prevent water running into sewers.
<b>Reference to other sections</b>	None
<b>Additional Information</b>	None

## SECTION 7: HANDLING AND STORAGE

<b>Precautions for safe handling</b>	Avoid contact with skin, eyes or clothing.
<b>Conditions for safe storage, including any incompatibilities</b>	



# THE IRON, COBALT, & SPOT ETCHING STUFF

-Storage temperature  
-Incompatible materials

Do not allow material to freeze.  
Oxidizing agents.

**Specific end use(s)**

Swimming Pool Maintenance

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

### Occupational Exposure Limits

SUBSTANCE.	CAS No.	(8hr TWA)		(STEL)		Note:
		PEL (OSHA)	TLV (ACGIH)	PEL (OSHA)	TLV (ACGIH)	
None	-----	-----	-----	-----	-----	-----

### Exposure controls

#### Appropriate engineering controls

Not normally required.

#### Personal protection equipment

Eye/face protection

Wear protective eyewear (goggles, face shield, or safety glasses).



Skin protection (Hand protection/ Other)

Gloves (PVC, Neoprene, or Natural rubber).



Respiratory protection

Not normally required.



Thermal hazards

Not normally required.

#### Environmental Exposure Controls

Avoid release to the environment.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

Appearance	Solid / Crystalline
Color.	White
Odor	Odorless
Odor Threshold (ppm)	Not available
pH (Value)	5 - 8 (1% solution)
Melting Point/Freezing Point (°C)	> 160 (> 320 °F)
Boiling point/boiling range (°C)	Not available
Flash Point (°C)	Not available *
Evaporation Rate	Negligible
Flammability (solid, gas)	Non-flammable
Explosive Limit Ranges	Not applicable
Vapour Pressure (mm Hg)	Negligible
Vapour Density (Air=1)	Not applicable



# THE IRON, COBALT, & SPOT ETCHING STUFF

Density (g/ml)	1.702 (14.20 lg/gal)
Specific Gravity	1.702
Solubility (Water)	146 g/L - Very soluble
Solubility (Other)	Not available
Partition Coefficient (n-Octanol/water)	- 3.29 (Log Pow)
Auto Ignition Point (°C)	Not available *
Decomposition Temperature (°C)	Not available
Kinematic Viscosity (cSt) @ 40°C	Not available
Explosive properties	Not explosive
Oxidizing properties	Not oxidising

**Other information** \* Product is not classified as flammable or combustible, but will burn on prolonged exposure to flame or high temperature.

## SECTION 10: STABILITY AND REACTIVITY

<b>Reactivity</b>	Stable under normal conditions.
<b>Chemical stability</b>	Stable.
<b>Possibility of hazardous reactions</b>	None anticipated.
<b>Conditions to avoid</b>	Incompatible materials.
<b>Incompatible materials</b>	Oxidizing agents
<b>Hazardous decomposition product(s)</b>	None anticipated.

## SECTION 11: TOXICOLOGICAL INFORMATION

**Exposure routes:** Skin Contact, Eye Contact

### Information on toxicological effects

Acute toxicity (calculated / estimated)	Oral: LD50 >2000 mg/kg-bw Dermal: LD50 >2000 mg/kg-bw
Irritation/Corrosivity	May cause mechanical irritation of the skin and eyes.
Sensitization	It is not a skin sensitizer.
Repeated dose toxicity	Not to be expected
Carcinogenicity	Not to be expected

NTP	IARC	ACGIH	OSHA
No.	No.	No.	No.

Mutagenicity	Not to be expected
Reproductive toxicity	Not to be expected

## SECTION 12: ECOLOGICAL INFORMATION

### Ecotoxicity

Short term (estimated / calculated)	LC50 (96 hour): > 100 mg/L(fish) EC50 (48 hour): > 100 mg/L (crustacea) EC50 (96 hour): > 100 mg/L (algae)
Long Term	No data
<b>Persistence and degradability</b>	No data
<b>Bioaccumulative potential</b>	The product has no potential for bioaccumulation.
<b>Mobility in soil</b>	The product has low mobility in soil.
<b>Results of PBT and vPvB assessment</b>	Not classified as PBT or vPvB.
<b>Other adverse effects</b>	None known.



# THE IRON, COBALT, & SPOT ETCHING STUFF

## SECTION 13: DISPOSAL CONSIDERATIONS

**Waste treatment methods** Disposal should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the local authority for advice.

**Additional Information** None known.

## SECTION 14: TRANSPORT INFORMATION

**Land transport**  
**(U.S. DOT)**

**UN number**  
**Proper Shipping Name** **Not classified as dangerous for transport.**  
**Transport hazard class(es)**  
**Packing group**  
**Environmental hazards**  
**Special precautions for user**

## SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture:

TSCA (Toxic Substance Control Act) - Inventory Status: All components listed or polymer exempt.

Designated Hazardous Substances and Reportable Quantities (40 CFR 302.4):

Chemical Name	CAS No.	Typical %wt.	RQ (Pounds)
None	-----	-----	-----

SARA 311/312 - Hazard Categories: None

- Fire     Sudden Release     Reactivity     Immediate (acute)     Chronic (delayed)

SARA 313 - Toxic Chemicals (40 CFR 372):

Chemical Name	CAS No.	Typical %wt.
None	-----	----

SARA 302 - Extremely Hazardous Substances(40 CFR 355):

Chemical Name	CAS No.	Typical %wt.	RQ (Pounds)	TPQ (Pounds)
None	-----	-----	-----	-----

Proposition 65 (California):

Chemical Name	CAS No.	Typical %wt.	Hazards
None	-----	-----	-----

## SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1 - 16.

Date of preparation: December 19, 2015

Hazard Statement(s) and Risk Phrases Listed in: SECTION 2:/ SECTION 3:

Hazard Statement(s)

- None



## THE IRON, COBALT, & SPOT ETCHING STUFF

Information contained in this publication or as otherwise supplied to Users is believed to be accurate and is given in good faith, but it is for the Users to satisfy themselves of the suitability of the product for their own particular purpose. Jack's Magic Products, Inc. gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that exclusion is prevented by law. Jack's Magic Products, Inc. accepts no liability for loss or damage (other than that arising from death or personal injury caused by defective product, if proved), resulting from reliance on this information. Freedom under Patents, Copyright and Designs cannot be assumed.



# THE PURPLE STUFF

## SAFETY DATA SHEET

OSHA HCS (29 CFR 1910.1200)

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

#### Product identifier

Chemical Name	Mixture
Trade Names	The Purple Stuff
CAS No.	Mixture

#### Relevant identified uses of the substance or mixture and uses advised against

Identified Use(s)	Swimming Pool Maintenance
Uses Advised Against	None

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

Company Identification	Jack's Magic Products, Inc. 12435 73 <sup>rd</sup> Court Largo, FL 33773 United States of America
Telephone	(800) 348-1656 / (727) 536-4500
Fax	(727) 532-0250
E-Mail (competent person)	<a href="mailto:Regulatory@JacksMagic.com">Regulatory@JacksMagic.com</a>

#### Emergency telephone number

Emergency Phone No.	CHEMTREC 24 hr. 1-800-424-9300 / 1 (703) 527-3887 (Collect calls accepted)
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### SECTION 2: HAZARDS IDENTIFICATION

#### Classification of the substance or mixture

OSHA HCS (29 CFR 1910.1200)	Skin Corr. 1C; Eye Dam. 1; Met. Corr. 1
-----------------------------	---

#### Label elements

Hazard Symbol(s)



Signal Word(s)

**DANGER**

Hazard Statement(s)

Causes severe skin burns and eye damage.

May be corrosive to metals.

Precautionary Statement(s)

Wash hands and exposed skin after use.

Wear protective gloves/protective clothing/eye protection/face protection.

Do not breathe dust/fume/gas/mist/vapours/spray.

Take off contaminated clothing and wash before reuse.

Keep only in original container.

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

IF ON SKIN: Take off immediately all contaminated clothing. Rinse skin with water/shower. Get immediate medical attention. Wash contaminated clothing before reuse.

IF INHALED: Treat symptomatically.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Get immediate



# THE PURPLE STUFF

**Other hazards**  
**Additional Information**

medical attention.  
None  
None

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredient(s)	*%W/W	CAS No.	Hazard Statement(s)
Mixture of proprietary diphosphonic and tricarboxylic acids and maleic acid-based polymers	15 - 30	Trade Secret	Skin Corr. 1C; H314 Eye Dam. 1; H318 Met. Corr. 1; H290
Phosphorous Acid	1 - 5	13598-36-2	Skin Corr. 1A; H314 Eye Dam. 1; H318

**Additional Information** – None

\* The exact percentage withheld as a trade secret in accordance with 29 CFR 1910.1200.

## SECTION 4: FIRST AID MEASURES



### Description of first aid measures

Inhalation	Not normally required. Treat symptomatically.
Skin Contact	Take off immediately all contaminated clothing. Rinse skin with water/shower. Get immediate medical attention. Wash contaminated clothing before reuse.
Eye Contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical attention.
Ingestion	Rinse mouth. Do NOT induce vomiting. Get immediate medical attention.
<b>Most important symptoms and effects, both acute and delayed</b>	Causes severe damage to eyes and skin.
<b>Indication of any immediate medical attention and special treatment needed</b>	None

## SECTION 5: FIRE-FIGHTING MEASURES

<b>Extinguishing Media</b>	
-Suitable Extinguishing Media	Non-combustible. As appropriate for surrounding fire.
-Unsuitable Extinguishing Media	None anticipated.
<b>Special hazards arising from the substance or mixture</b>	None anticipated.
<b>Advice for fire-fighters</b>	Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

<b>Personal precautions, protective equipment and emergency procedures</b>	Do not get in eyes, on skin, or on clothing. Wear protective gloves/protective clothing/eye protection/face protection. Do not breathe dust/fume/gas/mist/vapours/spray.
<b>Environmental precautions</b>	Contain spillages with sand, earth or any suitable adsorbent material. Prevent entry into drains.



# THE PURPLE STUFF

**Methods and material for containment and cleaning up** Cover spills with inert absorbent material. Transfer to a container for disposal or recovery. Wash the spillage area with water. If possible prevent water running into sewers.

**Reference to other sections** None

**Additional Information** None

## SECTION 7: HANDLING AND STORAGE

**Precautions for safe handling** Avoid contact with skin, eyes or clothing. Wear protective gloves/protective clothing/eye protection/face protection.

**Conditions for safe storage, including any incompatibilities**

- Storage temperature Do not allow material to freeze.
- Incompatible materials Substances that react with water. Strong bases.

**Specific end use(s)** Swimming Pool Maintenance

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters**

**Occupational Exposure Limits**

SUBSTANCE.	CAS No.	(8hr TWA)		(STEL)		Note:
		PEL (OSHA)	TLV (ACGIH)	PEL (OSHA)	TLV (ACGIH)	
None	-----	-----	-----	-----	-----	-----

**Exposure controls**

**Appropriate engineering controls** Not normally required.

**Personal protection equipment**

Eye/face protection Wear protective eyewear (goggles, face shield, or safety glasses).



Skin protection (Hand protection/ Other) Gloves (PVC, Neoprene, or Natural rubber).



Respiratory protection Not normally required.



Thermal hazards Not normally required.

**Environmental Exposure Controls** Do not allow to enter drains, sewers or watercourses.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**





# THE PURPLE STUFF

Appearance	Liquid
Color	Blue
Odor	Not available
Odor Threshold (ppm)	Not available
pH (Value)	1.2
Melting Point/Freezing Point (°C)	~ 0 (~ 32 °F)
Boiling point/boiling range (°C)	~ 100 (~212 °F)
Flash Point (°C)	Non-combustible / Non-flammable
Evaporation Rate	Similar to Water
Flammability (solid, gas)	Not applicable
Explosive Limit Ranges	Not applicable
Vapour Pressure (mm Hg)	Similar to Water
Vapour Density (Air=1)	Similar to Water
Density (g/ml)	Not available
Specific Gravity	1.09 - 1.19
Solubility (Water)	Miscible
Solubility (Other)	Not available
Partition Coefficient (n-Octanol/water)	Not available
Auto Ignition Point (°C)	Non-combustible / Non-flammable
Decomposition Temperature (°C)	Not available
Kinematic Viscosity (cSt) @ 40°C	Similar to Water
Explosive properties	Not explosive
Oxidizing properties	Not oxidising
<b>Other information</b>	Not available

## SECTION 10: STABILITY AND REACTIVITY

<b>Reactivity</b>	Stable under normal conditions.
<b>Chemical stability</b>	Stable.
<b>Possibility of hazardous reactions</b>	None anticipated.
<b>Conditions to avoid</b>	Incompatible materials.
<b>Incompatible materials</b>	Substances that react with water. Strong bases.
<b>Hazardous decomposition product(s)</b>	None anticipated.

## SECTION 11: TOXICOLOGICAL INFORMATION

**Exposure routes:** Skin Contact, Eye Contact

### Information on toxicological effects

Acute toxicity (calculated / estimated)	Oral: LD50 >2000 mg/kg-bw Dermal: LD50 >2000 mg/kg-bw
Irritation/Corrosivity	Causes severe skin burns and eye damage.
Sensitization	It is not a skin sensitizer.
Repeated dose toxicity	Not to be expected
Carcinogenicity	Not to be expected

NTP	IARC	ACGIH	OSHA
No.	No.	No.	No.

Mutagenicity	Not to be expected
Reproductive toxicity	Not to be expected

## SECTION 12: ECOLOGICAL INFORMATION

### Ecotoxicity



# THE PURPLE STUFF

Short term (estimated / calculated)

LC50 (96 hour): > 100 mg/L(fish)  
EC50 (48 hour): > 100 mg/L (crustacea)  
EC50 (96 hour): > 100 mg/L (algae)

Long Term

No data

**Persistence and degradability**

No data

**Bioaccumulative potential**

The product has no potential for bioaccumulation.

**Mobility in soil**

The product has low mobility in soil.

**Results of PBT and vPvB assessment**

Not classified as PBT or vPvB.

**Other adverse effects**

None known.

## SECTION 13: DISPOSAL CONSIDERATIONS

**Waste treatment methods**

Disposal should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the local authority for advice.

**Additional Information**

None known.

## SECTION 14: TRANSPORT INFORMATION

**Land transport  
(U.S. DOT) \***

**UN number**

UN 3265

**Proper Shipping Name**

Corrosive liquid, acidic, organic, n.o.s. (contains: \*\*)

**Transport hazard class(es)**

8

**Packing group**

III

**Environmental hazards**

No

**Special precautions for user**

None assigned

\* Refer to 49 CFR 173.154 for limited and consumer commodity exceptions. \*\*Contact supplier for full proper shipping name.

## SECTION 15: REGULATORY INFORMATION

**Safety, health and environmental regulations/legislation specific for the substance or mixture:**

**TSCA (Toxic Substance Control Act) - Inventory Status:** All components listed or polymer exempt.

**Designated Hazardous Substances and Reportable Quantities (40 CFR 302.4):**

Chemical Name	CAS No.	Typical %wt.	RQ (Pounds)
None	-----	-----	-----

**SARA 311/312 - Hazard Categories:**

Fire     Sudden Release     Reactivity     Immediate (acute)     Chronic (delayed)

**SARA 313 - Toxic Chemicals (40 CFR 372):**

Chemical Name	CAS No.	Typical %wt.
None	-----	-----

**SARA 302 - Extremely Hazardous Substances(40 CFR 355):**

Chemical Name	CAS No.	Typical %wt.	RQ (Pounds)	TPQ (Pounds)
None	-----	-----	-----	-----

**Proposition 65 (California):**



# THE PURPLE STUFF

Chemical Name	CAS No.	Typical %wt.	Hazards
None	-----	-----	-----

## SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1 - 16.

Date of preparation: December 15, 2015

Hazard Statement(s) and Risk Phrases Listed in: SECTION 2:/ SECTION 3:

### Hazard Statement(s)

- H290: May be corrosive to metals.
- H314: Causes severe skin burns and eye damage.
- H318: Causes serious eye damage.
- H319: Causes serious eye irritation.

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# SAFETY DATA SHEET

## The Filter Fiber Stuff

### 1. COMPANY AND PRODUCT IDENTIFICATION

Product Name: The Filter Fiber Stuff  
Synonyms: N/A  
Product Codes: JMFIBER9, JMFIBER18, JMFIBER36, JMFIBER22, JMFIBER44  
Company Name: Jack's Magic Products, Inc.  
12435 73rd Ct.  
Largo, FL 33773  
Substance: Cellulose  
Emergency Telephone: 1-800-424-9300  
Recommended use: As a filtration matrix for industrial and food applications.

### 2. HAZARDS IDENTIFICATION

Emergency Overview  
WARNING! MAY FORM COMBUSTIBLE DUST CONCENTRATIONS IN AIR (DURING PROCESSING)

### 3. COMPOSITION, INFORMATION ON INGREDIENTS

CAS NUMBER	NAME	EINECS	PERCENT
9004-34-6	CELLULOSE	232-674-9	100%

### 4. FIRST AID MEASURES

Eye contact: Flush eyes with large amounts of water. No acute hazards known.  
Skin contact: No acute hazards known.  
Ingestion: No acute hazards known.  
Inhalation: No acute hazards known. Remove to fresh air.

### 5. FIRE AND EXPLOSION DATA

Explosion: Avoid generating dust. Fine dust dispersed in air in sufficient concentrations and in the presence of an ignition source is a potential dust explosion hazard. Extinguishing media: Water in spray jet, CO<sub>2</sub>.

### 6. ACCIDENTAL RELEASE MEASURES

Dust deposits should not be allowed to accumulate on surfaces, as they may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Avoid dispersal of dust in the air (i.e. clearing dust surfaces with compressed air.)

### 7. HANDLING AND STORAGE

Minimize dust generation and accumulation.  
Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces.  
Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents, an explosion suppression system, or an oxygen-deficient environment.  
Ensure that the dust-handling systems are designed in a manner to prevent the escape of dust into the work area.  
Use only appropriately classified electrical equipment and powered industrial trucks.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White fibers  
Odor: None  
Odor Threshold: N/A  
Evaporation Rate: N/A  
pH: Average 7,0  
Melting/Freezing point: N/A  
Initial Boiling Point & Range: N/A  
LEL: no data available  
UEL: no data available  
Viscosity: N/A  
Char Point: 180°C  
Ignition Temp: 230°C  
Vapor Pressure: N/A  
Auto ignition Temp: N/A  
Density: 0,5 g/cm<sup>3</sup>  
Flash Point: N/A  
Solubility: Insoluble in water  
Partition coefficient: n-octanol/water: N/A  
Vapor density: N/A

### 10. STABILITY AND REACTIVITY

Stability:  Stable  Unstable

### 11. TOXICOLOGICAL INFORMATION

Possible transient irritation to eyes with very high contact. Non-toxic.

### 12. ECOLOGICAL INFORMATION

Bio-degradable. No known ecological effects.

### 13. DISPOSAL CONSIDERATION

No special requirements.

### 14. TRANSPORT INFORMATION

Not regulated as hazardous material for transport. No UN number.

### 15. REGULATORY INFORMATION

EU Classification: 9004-34-6 classified as non-hazardous  
WHMIS: Not determined  
TSCA: Listed on inventory  
PA, NJ & MA: Listed

### 16. OTHER INFORMATION

See NFPA 654, *Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids*; for safe handling.  
Prepared: May 2018

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