



SAFETY DATA SHEET AFTER SHOCK

FILE NO.: SDS-0006

MSDS DATE: 12/16/2015

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: AFTER SHOCK
SYNONYMS: AFTER SHOCK CHLORINE REDUCER
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: AFTER SHOCK
CHEMICAL FAMILY: NA
CHEMICAL FORMULA: Proprietary

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

SECTION 1 NOTES: NA

SECTION 2: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: CAUTION! May be harmful if swallowed or inhaled. May cause irritation to skin, eyes, and respiratory tract.

ROUTES OF ENTRY: SKIN CONTACT, INHALATION, INGESTION.

HAZARDOUS IDENTIFICATION:

Classification of substance or mixture: Not a hazardous substance or liquid.
GHS Label elements, including precautionary statements: Not a hazardous substance or liquid.

POTENTIAL HEALTH EFFECTS

ACUTE HEALTH HAZARDS:

Inhalation: May cause irritation to the respiratory tract. Symptoms may include coughing and shortness of breath.
Eye: Contact may cause mechanical irritation.
Skin: Irritation may occur from prolonged skin contact.
Ingestion: Low level of toxicity by ingestion. Diarrhea may occur by ingestion of large quantities.

CHRONIC HEALTH HAZARDS:

CARCINOGENIC EFFECTS: IARC, NTP, and OSHA do not list the contents of the product as a carcinogen.
MUTAGENIC EFFECTS: Not available.
TERATOGENIC EFFECTS: Not available.
DEVELOPMENTAL TOXICITY: Not available.
The substance can be toxic to skin. Repeated skin exposure can produce local skin irritation, or dermatitis.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None Known

Components of this product contain no known Carcinogenic agents.

SECTION 2 NOTES: If product comes in contact with eyes rinse cautiously with water for several minutes. Remove contact lenses, if present and can be done safely. Continue rinsing and consult a physician. If swallowed rinse mouth and call poison center or physician if you do not feel well.



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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS:

<u>CAS NO.</u>	<u>% WT</u>
Component A	>100
INERT Proprietary	Balance

SECTION 3 NOTES: Specific identification & percentage of composition is being withheld as a trade secret. Proprietary Formulation

SECTION 4: FIRST AID MEASURES

EYES: Rinse immediately with plenty of water for 15 minutes. Do not apply neutralizing agents. Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention immediately. *Acute symptoms after contact: inflammation to eye tissue.*

SKIN: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash skin with soap and water. 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: **Induce vomiting immediately as directed by medical personnel.** Rinse mouth with water. If ingested, give lots of water to drink. Do not induce vomiting unless directed to do so by medical professional. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed or if irritation or other concerns persist, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband. *Acute symptoms after contact: Nausea. Vomiting.*

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: Treat symptomatically and supportively.

SECTION 4 NOTES: NA

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR, UPPER: Not considered a fire hazard.
(% BY VOLUME) LOWER: Not Available

FLASH POINT: Non-combustible.

METHOD USED: NA

AUTOIGNITION TEMPERATURE: Not Available

HMIS HAZARD CLASSIFICATION

HEALTH: 1	FLAMMABILITY: 0	REACTIVITY: 0
PROTECTION: NA		

EXTINGUISHING MEDIA: Use any means suitable for extinguishing surrounding fire.

SPECIAL FIRE FIGHTING PROCEDURES: Gloves, safety glasses,. Protective clothing. Do not release runoff from fire control methods to sewers or waterways.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Not considered to be an explosion hazard. Cool tanks/drums with water spray/remove them into safe area away from heat.

HAZARDOUS DECOMPOSITION PRODUCTS: NA

SECTION 5 NOTES: NA



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SECTION 6: ACCIDENTAL RELEASE MEASURES

SPILL / LEAK PROCEDURES: Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in section 8.

SMALL SPILLS: Sweep up and containerize for reclamation or disposal.

LARGE SPILL CONTAINMENT: For large spills, dike far ahead of spill for later disposal. Do not release into sewers or waterways.

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. Vacuuming or wet sweeping may be used to avoid dust dispersal.

SECTION 6 NOTES: Follow applicable OSHA regulations. (29 CFR 1910.120).

SECTION 7: HANDLING AND STORAGE

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. Containers of this material may be hazardous when empty since they retain residues (dust, solids); observe all warnings and precautions listed for the product.

STORAGE: Store in a cool, dry, ventilated area. Keep from freezing or away from open flames/heat. Keep out of direct sunlight. Keep only in original (labeled) container. Protect against physical damage. Isolate from incompatible substances. Meet all state and local legal requirements.

OTHER PRECAUTIONS: Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid and/or solid), all hazard precautions given in the data sheet must be observed.

SECTION 7 NOTES: NA

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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: Always use this material in a well ventilated area. Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs (sec. 2) Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling its source.

RESPIRATORY PROTECTION: Seek professional advice prior to respiratory selection and use. Follow OSHA respiratory regulations (29 CFR 1910.134) and, if necessary MSHA/NIOSH-approved air-purifying respirator with an appropriate cartridge and/or filter may be permissible under certain circumstances where airborne concentrations 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. **WARNING:** Air-purifying respirators do not protect workers in oxygen-deficient atmospheres. Follow all OSHA requirements regarding the use and certification before using respirators.

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.



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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: NA

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: White Solid

ODOR: Odorless

PHYSICAL STATE: Solid.

pH AS SUPPLIED: 6.5 – 8.0 (Solution)

pH (1% Solution in H₂O): NA

BOILING POINT: > 100 deg C (decomposes)

MELTING POINT: 118 deg F

FREEZING POINT: NA

VAPOR PRESSURE (kPa): NA

VAPOR DENSITY (AIR = 1): NA

SPECIFIC GRAVITY (H₂O = 1): 1.667 – 1.730

EVAPORATION RATE: NA

POLYMERIZATION: NA.

SOLUBILITY IN WATER: 42 (hydrated), 33 (anhydrous).(79 g/100 ml water @ 4 deg C)

PERCENT SOLIDS BY WEIGHT: 100%

PERCENT VOLATILE: 0% @ 21 deg C

VOLATILE ORGANIC COMPOUNDS (VOC): NA

MOLECULAR WEIGHT: NA

SECTION 9 NOTES: NA



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SECTION 10: STABILITY AND REACTIVITY

REACTIVITY: Promotes combustion. Substance has basic reaction.

STABILITY: Stable at room temperature in closed containers under normal storage and handling conditions.

CONDITIONS TO AVOID (STABILITY): Excessive heat or freezing. Keep away from open flames/heat. Avoid raising dust.

INCOMPATIBILITY: Reacts violently with sodium nitrile. Incompatible with strong oxidizers, acids.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Thermal oxidative decomposition, can produce hydrogen sulfide and sodium oxide.

HAZARDOUS POLYMERIZATION: Material will not undergo hazardous polymerization.

SECTION 10 NOTES: NA

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE TOXICOLOGICAL: Oral – LD50 – 2700 mg/kg (Mouse)

***Conclusion:** Harmful if swallowed, Low acute toxicity by oral route. Low acute toxicity by inhalation route.

MUTAGENICITY: NA

TERATOGENICITY: NA

CORROSION / IRRITATION: NA

RESPIRATORY OR SKIN SENSITIVITY: NA

SPECIFIC TARGET ORGAN TOXICITY: NA

SECTION 11 NOTES: NA

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY: This product is expected to cause some oxygen depletion in aquatic systems. It has a low potential to affect aquatic systems. It has a low potential to affect aquatic organisms, secondary waste treatment microorganisms and the germination of some plants. It has a moderate potential to affect the germination and growth of some plants.

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

RESULTS OF PBT and vPvB ASSESSMENT: No Data Available

CHEMICAL OXYGEN DEMAND: No Data Available

SECTION 12 NOTES: NA



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SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Contact a licensed contractor for detailed recommendations. Follow applicable Federal, State and local regulations.

SECTION 13 NOTES: NA

SECTION 14: TRANSPORT INFORMATION

NOT REGULATED FOR TRANSPORTATION.

U.S. DEPARTMENT OF TRANSPORTATION: (49 CFR 172.101)

PROPER SHIPPING NAME: NA
HAZARD CLASS: NA
ID NUMBER: NA
PACKING GROUP: NA
LABEL STATEMENT: NA
LIMITED QUANTITIES: NA

WATER TRANSPORTATION:

PROPER SHIPPING NAME: NA
HAZARD CLASS: NA
ID NUMBER: NA
PACKING GROUP: NA
LABEL STATEMENT: NA
LIMITED QUANTITIES: NA

RAIL (RID) TRANSPORTATION:

PROPER SHIPPING NAME: NA
HAZARD CLASS: NA
ID NUMBER: NA
PACKING GROUP: NA
LABEL STATEMENT: NA
LIMITED QUANTITIES: NA

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

PROPER SHIPPING NAME: NA
HAZARD CLASS: NA
ID NUMBER: NA
PACKING GROUP: NA
LABEL STATEMENT: NA
LIMITED QUANTITIES: NA

OTHER AGENCIES: NA

SECTION 14 NOTES: NOT REGULATED FOR TRANSPORTATION

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT): NOT REGULATED
HEATH & SAFETY REPORTING LIST: None of the chemicals in this product are on this list.
SARA (SECTION 302-RQ): NOT REGULATED
SARA (SECTION 302-TPQ): NOT REGULATED
SARA (SECTION 313): NOT REGULATED
CLEAR AIR ACT: NOT LISTED as a Hazardous Air Pollutant or Class 1 or 2 depletors.
CLEAN WATER ACT: NOT LISTED as a Hazardous Substance, Priority Pollutant or Toxic Pollutant.
OSHA: Not considered highly hazardous by OSHA.



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STATE REGULATIONS: NOT Present on lists in CA, PA, MN, MA, FL, or NJ.

INTERNATIONAL REGULATIONS:

European Legislation: Labeled in accordance with EC Directives.

Canada Legislation: Not listed on the DSL/NDSL list. Not listed on Ingredient Disclosure List.

SECTION 15 NOTES: NA

SECTION 16: OTHER INFORMATION

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

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

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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 rd Court Largo, FL 33773 United States of America
Telephone	(800) 348-1656 / (727) 536-4500
Fax	(727) 532-0250
E-Mail (competent person)	Regulatory@JacksMagic.com

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.
Most important symptoms and effects, both acute and delayed	Causes serious eye damage.
Indication of any immediate medical attention and special treatment needed	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.
Special hazards arising from the substance or mixture	None anticipated.
Advice for fire-fighters	Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Avoid contact with skin and eyes.
Environmental precautions	Do not allow to enter drains, sewers or watercourses.
Methods and material for containment and cleaning up	Sweep up and shovel into waste drums or plastic bags. 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.
Conditions for safe storage, including any incompatibilities	



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

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



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 rd Court Largo, FL 33773 United States of America
Telephone	(800) 348-1656 / (727) 536-4500
Fax	(727) 532-0250
E-Mail (competent person)	Regulatory@JacksMagic.com

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
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Label elements

Hazard Symbol(s)



DANGER

Signal Word(s)

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.
Most important symptoms and effects, both acute and delayed	Causes severe damage to eyes and skin.
Indication of any immediate medical attention and special treatment needed	None

SECTION 5: FIRE-FIGHTING MEASURES

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

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	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.
Environmental precautions	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
Other information	Not available

SECTION 10: STABILITY AND REACTIVITY

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

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.



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, CO₂.

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/cm³
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

Jack's Magic Products, Inc.

12435 73rd Ct.
Largo, FL 33773
800-348-1656 /www.jacksmagic.com