



SAFETY DATA SHEET

POWER BLUE CARTRIDGE & DE FILTER CLEANER

FILE NO.: SDS-0001
MSDS DATE: 12/16/2015

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: POWER BLUE CARTRIDGE & DE FILTER CLEANER
SYNONYMS: POWER BLUE
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: Power Blue
CHEMICAL FAMILY: Chelating 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 bluish color liquid. It may cause irritation to the eyes and skin. If ingested, it may cause nausea, headache, and a physician should be consulted if ingested or if eye irritation persists.

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

POTENTIAL HEALTH EFFECTS

ACUTE HEALTH HAZARDS: Hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation. Slightly hazardous in case of skin contact (corrosive), of eye contact (corrosive). The amount of tissue damage depends on the length of contact time. Eye contact can result in corneal damage or blindness. Skin contact can produce minor inflammation and blistering. Inhalation of mist can produce irritation to gastrointestinal or respiratory tract, characterized by slight burning, sneezing and coughing. Inflammation of the eye is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

CHRONIC HEALTH HAZARDS:

CARCINOGENIC EFFECTS: Not available.

MUTAGENIC EFFECTS: Not available.

TERATOGENIC EFFECTS: Not available.

DEVELOPMENTAL TOXICITY: Not available.

The substance can be toxic to mucous membranes, skin, eyes. Repeated skin exposure can produce local skin irritation, or dermatitis. Repeated inhalation of vapor/mist can produce varying degree of respiratory irritation or lung damage.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None Known

Components of this product contain no known Carcinogenic agents.

SECTION 2 NOTES: NA



**SAFETY DATA SHEET
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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS:

<u>CAS NO.</u>	<u>% WT</u>
Component A	1-15%
Component B	1-15%
Component C	1-15%
Inert Ingredients	Balance

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

SECTION 4: FIRST AID MEASURES

EYES: 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.

SKIN: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. 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.

INGESTION: 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, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

INHALATION: If inhaled, remove to fresh air. If not breathing, give artificial respiration (CPR). If breathing is difficult, give oxygen. Get attention immediately.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: No further information Available.

SECTION 4 NOTES: NA

SECTION 5: FIRE-FIGHTING MEASURES

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

FLASH POINT: NA

METHOD USED: NA

AUTOIGNITION TEMPERATURE: Not Applicable

HMIS HAZARD CLASSIFICATION

HEALTH: 3

FLAMMABILITY: 0

REACTIVITY: 0

PROTECTION: 0

EXTINGUISHING MEDIA: Non-Flammable, but you may use Dry chemical, Carbon dioxide (CO₂), or Water Spray when fighting fire where this product is present.

SPECIAL FIRE FIGHTING PROCEDURES: NA

UNUSUAL FIRE AND EXPLOSION HAZARDS: NA

HAZARDOUS DECOMPOSITION PRODUCTS: None Known

SECTION 5 NOTES: NA



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SECTION 6: ACCIDENTAL RELEASE MEASURES

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.

METHODS FOR CLEAN-UP: Keep in suitable, closed containers for disposal. Soak up with inert absorbent material. (e.g. sand, silica gel, acid binder, universal binder, sawdust, clay-bases granular).

SECTION 6 NOTES: Comply with all applicable federal, state, and local regulations for clean-up and disposal methods.

SECTION 7: HANDLING AND STORAGE

STORAGE: Store in a cool, dry, ventilated area. Keep from freezing or extreme heats (over 95 degree F)

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.

RESPIRATORY PROTECTION: A 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.

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 and boots whenever there is potential for skin contact with product. 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



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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Bluish Liquid

ODOR: mild/slight

PHYSICAL STATE: Liquid

pH AS SUPPLIED: 12.9 +/- 2%

pH (1% Solution in H₂O): 10.1 +/- 2%

BOILING POINT: 112 F (100 C)

MELTING POINT: NA

FREEZING POINT: 32 F (0 C)

VAPOR PRESSURE (kPa): 2.3 (@ 20 C)

VAPOR DENSITY (AIR = 1): 0.62 (@ 20 C)

SPECIFIC GRAVITY (H₂O = 1): 1.066 (@ 20 C)

EVAPORATION RATE: NA

POLYMERIZATION: Will Not Occur.

SOLUBILITY IN WATER: Easily soluble in cool water, hot water. Soluble in dilute material.

PERCENT SOLIDS BY WEIGHT: >1%

PERCENT VOLATILE: BY WT/ >1% BY VOL @ 20 C

VOLATILE ORGANIC COMPOUNDS (VOC): NA

MOLECULAR WEIGHT: 19.22 g/mole

SECTION 9 NOTES: NA

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable

CONDITIONS TO AVOID (STABILITY): Excessive heat or freezing.

INCOMPATIBILITY: Acids, aluminum, Copper, Copper alloys, halogenated hydrocarbons, metals, nickel, organic nitro compounds, oxidizing agents, reactive metals such as aluminum and magnesium, steel, strong bases, zinc.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Ammonia, nitrogen oxides (NO_x), Hydrogen cyanide, Hydrocarbons.

HAZARDOUS POLYMERIZATION: Material will not undergo hazardous polymerization.

SECTION 10 NOTES: NA

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: NA

SECTION 11 NOTES: NA



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SECTION 12: ECOLOGICAL INFORMATION

BIODEGRADABILITY:

Ethylenediaminetetra Acetic Acid, Tetrasodium Salt: No Data Available
Sodium meta-Silicate: No Data Available
Diphosphoric Acid, Tetrapotassium Salt: No Data Available

TOXICITY TO FISH:

Ethylenediaminetetra Acetic Acid, Tetrasodium Salt: 96 h LC 50 Bluegill (*lepomis macrochirus*), 472.0-500.0 mg/l Method: Static: Mortality.
Sodium meta-Silicate: No Data Available
Diphosphoric Acid, Tetrapotassium Salt: No Data Available

TOXICITY TO DAPHNIA AND OTHER AQUATIC INVERTEBRATES:

Ethylenediaminetetra Acetic Acid, Tetrasodium Salt: 24 h EC Water Flea (*Daphnia magna*): 570.0-640.0 mg/l Mortality
Sodium meta-Silicate: No Data Available
Diphosphoric Acid, Tetrapotassium Salt: No Data Available

TOXICITY TO ALGAE:

Ethylenediaminetetra Acetic Acid, Tetrasodium Salt: No Data Available
Sodium meta-Silicate: No Data Available
Diphosphoric Acid, Tetrapotassium Salt: No Data Available

TOXICITY TO BACTERIA:

Ethylenediaminetetra Acetic Acid, Tetrasodium Salt: No Data Available
Sodium meta-Silicate: No Data Available
Diphosphoric Acid, Tetrapotassium Salt: No Data Available

BIOCHEMICAL OXYGEN DEMAND:

Ethylenediaminetetra Acetic Acid, Tetrasodium Salt: No Data Available
Sodium meta-Silicate: No Data Available
Diphosphoric Acid, Tetrapotassium Salt: No Data Available

CHEMICAL OXYGEN DEMAND:

Ethylenediaminetetra Acetic Acid, Tetrasodium Salt: No Data Available
Sodium meta-Silicate: No Data Available
Diphosphoric Acid, Tetrapotassium Salt: No Data Available

SECTION 12 NOTES: NA

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Waste must be disposed of in accordance with federal, state and local environmental control regulations.

SECTION 13 NOTES: NA

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION:

PROPER SHIPPING NAME: Corrosive liquid, basic, organic, n.o.s.
HAZARD CLASS: 8
ID NUMBER: UN3267
PACKING GROUP: III
LABEL STATEMENT: Corrosive 8

WATER TRANSPORTATION:

PROPER SHIPPING NAME: Corrosive liquid, basic, organic, n.o.s.
HAZARD CLASS: 8
ID NUMBER: UN3267
PACKING GROUP: III
LABEL STATEMENT: Corrosive 8



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OTHER AGENCIES: NA

SECTION 14 NOTES: Quantity Limits: Passenger Aircraft/Rail = 0.5L, Cargo Aircraft Only = 2.5L. Vessel Stowage: Stow clear of living quarters and "separate from" acids.

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.

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT): NOT REGULATED

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

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT): NOT REGULATED

311/312 HAZARD CATEGORIES: NOT REGULATED

313 REPORTABLE INGREDIENTS: NOT REGULATED

STATE REGULATIONS: NOT REGULATED

INTERNATIONAL REGULATIONS: NOT REGULATED

SECTION 15 NOTES: NA

SECTION 16: OTHER INFORMATION

REFERENCES: ScienceLab.com & Raw Chemical Company Suppliers (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 any 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.



Section 1. Identification

Product Name: Power Blue High Gloss Ultra UV Protectant

Effective Date: 23 March 2016

Replaces: 01 August 2012

Manufacturer Name: Jack's Magic Products, Inc.

Address: 12435 73rd CT.
Largo, FL 33773

24/7 EMERGENCY PHONE: CHEMTREC 800-424-9300 Call collect internationally 703-527-3887

24/7 HEALTH EMERGENCIES: 800-222-1222 National Poison Control Center.

Section 2. Hazard(s) Identification

Emergency overview: Milky white liquid with mild odor, prolonged contact may cause skin and eye irritation. Ingestion may cause gastric distress.



GHS Pictograms:

GHS Signal Word: WARNING

POTENTIAL HEALTH EFFECTS:

CODE OF HAZARD STATEMENTS:

Physical hazards

H290, May be corrosive to metals.

Health Hazards

H305, May be harmful if swallowed and enters airways.

H313, May be harmful in contact with skin.

H315, Causes skin irritation.

H319, Causes serious eye irritation.

H333, May be harmful if inhaled.

Environmental hazards

H402, Harmful to aquatic life.

CODE OF PRECAUTIONARY STATEMENTS:

General

P101, Keep out of reach of children.

P103, Read label before use.

Prevention

P234, Keep only in original container.

P261, Avoid breathing mist.

P262 Do not get in eyes, on skin or on clothing.

P264, Wash thoroughly after handling.

P270, Do not eat, drink or smoke when using this product.

P280, Wear protective gloves/protective clothing/eye protection/face protection.

Response

P312, Call a POISON CENTER or doctor/physician if you feel unwell.

P331, DO NOT induce vomiting.

P340, Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P352, Wash with plenty of soap and water.

P362, Take off contaminated clothing and wash before reuse.

Storage

P402, Store in a dry place.

P403, Store in a well-ventilated area.

ROUTES OF ENTRY: Eye contact, skin adsorption, ingestion and inhalation.

CARCINOGENICITY: None. *NOTE: Please refer to Section 11 for detailed toxicological information.*

**Section 3. Composition/Information on Ingredients****Ingredients**

Component	CAS #	EINECS #	Percent	REACH Reg. #
Limited disclosure (A)	Prop.	NE	>33	No
Limited disclosure (B)	Prop.	Prop.	>0.5	No
Water	7732-18-5	215-185-5	Balance	No

Section 4. First Aid Measures

Eye Contact: Flush eyes with water immediately while holding eyelids open. Remove contacts, if worn, after initial flushing and continue flushing for at least 15 minutes. Seek medical attention if irritation persists.

Skin Contact: Use soap and water to remove from the skin, remove contaminated clothing, clean thoroughly before reuse. If irritation persists, contact a physician.

Inhalation: Move to fresh air. If not breathing, give rescue breathing. If breathing is difficult, give oxygen. Seek medical attention if breathing is still difficult.

Ingestion: If swallowed, get medical attention immediately. DO NOT INDUCE VOMITING. Never give anything by mouth to an unconscious person.

Section 5. Fire Fighting Measures

Flash Point: Not combustible.

Flammability Limits: NE.

Fire Fighting Media: Dry chemical, carbon dioxide, and water spray.

Special Fire Fighting Procedures: Dried product cannot burn. Fire fighters need to wear full-bunker gear with SCBA, never enter a confined space unless fully protected with proper personal protective equipment (PPE).

Section 6. Accidental Release Measures

Use personal protective equipment, see section 8.

Clean-up Procedures: Material may create slippery conditions. Stop the source of the release, if you are not put at risk. Use absorbent material (such as sand or kitty litter) to absorb the spill, use shovel to pick up absorbent for disposal.

Spills and Leaks: Dispose in accordance to local, state or federal regulations.

Section 7. Handling and Storage

Handling: Do not get into eyes, on skin and on clothing. Do not breathe dusts. Wash thoroughly after handling. Do not freeze.

Storage: Store in original labeled container. Keep in cool and dry areas.

Section 8. Exposure Controls/Personal Protection

Introductory Remarks: Consider the potential hazards of this product outlined in section 2. Use process exposures such as local exhaust ventilation, to control over exposure to airborne levels above recommended exposure limits.

Personal Protection:

Eyes: Wear safety goggles or safety glasses to prevent eye contact.

Body: Long sleeve shirts, long pants, socks, rubber boots and chemical resistant gloves.

Hands: Neoprene chemical resistant gloves.

Respiratory: Wear an approved respirator that provides protection from this product if the airborne concentrations exceed the recommended exposure limits.

Other: None.

Section 9. Physical and Chemical Properties

Odor/Color	Milky white liquid with mild odor	Boiling point	>212°F (>100°C)
Solubility	Soluble in water	Vapor pressure	17 torr @ 68°F (20°C)
Evaporation rate(water=1)	< 1.0	Specific gravity	>1
pH	9.79		



Section 10. Stability and Reactivity

Chemical Stability: Considered stable under normal ambient temperatures.

Hazardous Decomposition: If complete combustion, oxides of carbon.

Hazardous Polymerization: Will not occur.

Incompatibility - Materials to Avoid: Strong oxidizers and bases.

Section 11. Toxicological Information

The product is basic.

Acute Eye Irritation: May cause damage.

Acute Skin Irritation: May be irritating.

Acute Inhalation Toxicity: Not determined, expected to be an irritant to the respiratory system.

Carcinogenic Effects: None.

Section 12. Ecological Information

Ecotoxicity: The toxicity of this product has not been determined.

Environmental Fate: This product's environmental fate has not been determined.

Section 13. Disposal Considerations

Waste Disposal Method: Whatever cannot be saved for recovery or recycling should be managed by the local, state or Federal Regulations.

Container Handling and Disposal: All bags should be disposed of according to local, state and Federal regulations.

Section 14. Transport Information

DOT Proper Shipping Description: Not regulated.

Shipping Name: Power Blue™ High Gloss Ultra UV protectant

IATA Proper Shipping Description – CARGO AIRCRAFT Only: Not regulated.

IMO Proper Shipping Description: Not regulated.

Section 15. Regulatory Information

EPCRA 311/312 Categories:	Immediate (Acute) Health Effects:	Yes
	Delayed (Chronic) Health Effects:	No
	Fire Hazard:	No
	Sudden Release of Pressure	No
	Reactivity:	No

WHMIS:  Corrosive material

Right to know classification: Proprietary B is listed in MA, NJ and PA.

TSCA: None.

Reportable Quantity (RQ): None.

Prop. 65: None.

All ingredients are listed as chemical inventories of ACIS, ECL, EEC, ENCS, EU, Israel, MAC, MAK, MITI, PICCS, SWISS, Taiwan, USA and UK.

**Abbreviations:**

CAS #	Chemical Abstract Service Number	EINECS	European Inventory of existing Commercial Chemical Sales
°C	Celsius temperature scale	°F	Fahrenheit temperature scale
Prop.	Proprietary	PE	Personal Protective Equipment
TLV	Threshold Limit Value	TWA	Time Weighted Average
STEL	Short-term Exposure Limit	PEL	Permissible Exposure Limit
OSHA	Occupational Safety & Health	NIOSH	National Institute of Safety & Health
NFPA	National Fire Protection Agency	WHMIS	Workplace Hazardous Materials Information System
NTP	National Toxicology Program	IARC	Int. Agency for Research on Cancer
RCRA	Resource Conservation Recovery Act	TSCA	Toxic Substance Control Act
EC ₅₀	Effective Dose	LC ₅₀	Lethal Inhalation Concentration
LD ₅₀	Lethal Dose	CAS	Chemical Abstract Service Number
LEL	Lower explosive limit	UEP	Upper explosive limit
NDA	No Data Available	ND	Not determined
NE	None established	NA	Not Applicable
≤	Less Than or Equal To	≥	Greater Than or Equal To
CNS	Central Nervous System	CI	China
DSL	Canada	ECL	Korean Existing Chemicals List
EEC	European Economic Commission	ENCS	Japanese Existing and New Chemical List
EU	European Union	MAC	Netherlands
MAK	Germany	MITI	Japan
PICCS	Philippines	SWISS	Giftlist 1
UK	United Kingdom	USA	United States
VOC	Volatile organic content		
ACGIH	American Conference of Government Industrial Hygienists		
SARA	Superfund Amendments and Reauthorization Act		
AICS	Australian Inventory of Chemical Substances		
IARC	International Agency for Research on Cancer		
Taiwan	List of Toxic Chemical Substances regulated under Taiwan Toxic Chemical Substances Control Act of 1086		

Section 16. Other Information**Hazardous Material Information (HMIS)****National Fire Protection Association (NFPA)**

Health	2	2	Health
Fire	0	0	Fire
Reactivity	0	0	Instability
Personal Protection	E		NA

Health 4 Deadly 3 Extreme Danger 2 Dangerous 1 Slight hazard 0 No hazard
 Fire 4 < 73 °C 3 < 100 °C 2 < 200 °C 1 >200 °C 0 Will not burn
 Reactivity/Instability 4 – May detonate 3 Explosive 2 Unstable 1 Normally stable 0 Stable

Prepared by: Dennis E. Belau

Reviewed by: Regulatory Department

Disclaimer:

The information is furnished without warranty, representation, inducement, or license of any kind, except that it is accurate to the best of Jack's Magic Products, Inc. (company) knowledge. Because use conditions and applicable laws may differ from one location to another and may change with time, Recipient is responsible for determining whether the information is appropriate for recipient's use. Since company has no control over how this information may be ultimately used, all liability is expressly disclaimed and company assumes no liability.



SAFETY DATA SHEET POWER BLUE WATERLINE & TILE

FILE NO.: SDS-0001
MSDS DATE: 12/16/2015

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: POWER BLUE WATERLINE & TILE
SYNONYMS: POWER BLUE
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: Power Blue
CHEMICAL FAMILY: Chelating 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 bluish color liquid. It may cause irritation to the eyes and skin. If ingested, it may cause nausea, headache, and a physician should be consulted if ingested or if eye irritation persists.

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

POTENTIAL HEALTH EFFECTS

ACUTE HEALTH HAZARDS: Hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation. Slightly hazardous in case of skin contact (corrosive), of eye contact (corrosive). The amount of tissue damage depends on the length of contact time. Eye contact can result in corneal damage or blindness. Skin contact can produce minor inflammation and blistering. Inhalation of mist can produce irritation to gastrointestinal or respiratory tract, characterized by slight burning, sneezing and coughing. Inflammation of the eye is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

CHRONIC HEALTH HAZARDS:

CARCINOGENIC EFFECTS: Not available.

MUTAGENIC EFFECTS: Not available.

TERATOGENIC EFFECTS: Not available.

DEVELOPMENTAL TOXICITY: Not available.

The substance can be toxic to mucous membranes, skin, eyes. Repeated skin exposure can produce local skin irritation, or dermatitis. Repeated inhalation of vapor/mist can produce varying degree of respiratory irritation or lung damage.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None Known

Components of this product contain no known Carcinogenic agents.

SECTION 2 NOTES: NA



SAFETY DATA SHEET POWER BLUE WATERLINE & TILE

FILE NO.: SDS-0001
MSDS DATE: 12/16/2015

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS:

<u>CAS NO.</u>	<u>% WT</u>
Component A	1-15%
Component B	1-15%
Component C	1-15%
Inert Ingredients	Balance

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

SECTION 4: FIRST AID MEASURES

EYES: 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.

SKIN: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. 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.

INGESTION: 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, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

INHALATION: If inhaled, remove to fresh air. If not breathing, give artificial respiration (CPR). If breathing is difficult, give oxygen. Get attention immediately.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: No further information Available.

SECTION 4 NOTES: NA

SECTION 5: FIRE-FIGHTING MEASURES

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

FLASH POINT: NA

METHOD USED: NA

AUTOIGNITION TEMPERATURE: Not Applicable

HMIS HAZARD CLASSIFICATION

HEALTH: 3

FLAMMABILITY: 0

REACTIVITY: 0

PROTECTION: 0

EXTINGUISHING MEDIA: Non-Flammable, but you may use Dry chemical, Carbon dioxide (CO₂), or Water Spray when fighting fire where this product is present.

SPECIAL FIRE FIGHTING PROCEDURES: NA

UNUSUAL FIRE AND EXPLOSION HAZARDS: NA

HAZARDOUS DECOMPOSITION PRODUCTS: None Known

SECTION 5 NOTES: NA



SAFETY DATA SHEET POWER BLUE WATERLINE & TILE

FILE NO.: SDS-0001
MSDS DATE: 12/16/2015

SECTION 6: ACCIDENTAL RELEASE MEASURES

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.

METHODS FOR CLEAN-UP: Keep in suitable, closed containers for disposal. Soak up with inert absorbent material. (e.g. sand, silica gel, acid binder, universal binder, sawdust, clay-bases granular).

SECTION 6 NOTES: Comply with all applicable federal, state, and local regulations for clean-up and disposal methods.

SECTION 7: HANDLING AND STORAGE

STORAGE: Store in a cool, dry, ventilated area. Keep from freezing or extreme heats (over 95 degree F)

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.

RESPIRATORY PROTECTION: A 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.

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 and boots whenever there is potential for skin contact with product. 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



SAFETY DATA SHEET POWER BLUE WATERLINE & TILE

FILE NO.: SDS-0001
MSDS DATE: 12/16/2015

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Bluish Liquid

ODOR: mild/slight

PHYSICAL STATE: Liquid

pH AS SUPPLIED: 12.9 +/- 2%

pH (1% Solution in H₂O): 10.1 +/- 2%

BOILING POINT: 112 F (100 C)

MELTING POINT: NA

FREEZING POINT: 32 F (0 C)

VAPOR PRESSURE (kPa): 2.3 (@ 20 C)

VAPOR DENSITY (AIR = 1): 0.62 (@ 20 C)

SPECIFIC GRAVITY (H₂O = 1): 1.066 (@ 20 C)

EVAPORATION RATE: NA

POLYMERIZATION: Will Not Occur.

SOLUBILITY IN WATER: Easily soluble in cool water, hot water. Soluble in dilute material.

PERCENT SOLIDS BY WEIGHT: >1%

PERCENT VOLATILE: BY WT/ >1% BY VOL @ 20 C

VOLATILE ORGANIC COMPOUNDS (VOC): NA

MOLECULAR WEIGHT: 19.22 g/mole

SECTION 9 NOTES: NA

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable

CONDITIONS TO AVOID (STABILITY): Excessive heat or freezing.

INCOMPATIBILITY: Acids, aluminum, Copper, Copper alloys, halogenated hydrocarbons, metals, nickel, organic nitro compounds, oxidizing agents, reactive metals such as aluminum and magnesium, steel, strong bases, zinc.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Ammonia, nitrogen oxides (NO_x), Hydrogen cyanide, Hydrocarbons.

HAZARDOUS POLYMERIZATION: Material will not undergo hazardous polymerization.

SECTION 10 NOTES: NA

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: NA

SECTION 11 NOTES: NA



SAFETY DATA SHEET POWER BLUE WATERLINE & TILE

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SECTION 12: ECOLOGICAL INFORMATION

BIODEGRADABILITY:

Ethylenediaminetetra Acetic Acid, Tetrasodium Salt: No Data Available
Sodium meta-Silicate: No Data Available
Diphosphoric Acid, Tetrapotassium Salt: No Data Available

TOXICITY TO FISH:

Ethylenediaminetetra Acetic Acid, Tetrasodium Salt: 96 h LC 50 Bluegill (*lepomis macrochirus*), 472.0-500.0 mg/l Method: Static: Mortality.
Sodium meta-Silicate: No Data Available
Diphosphoric Acid, Tetrapotassium Salt: No Data Available

TOXICITY TO DAPHNIA AND OTHER AQUATIC INVERTEBRATES:

Ethylenediaminetetra Acetic Acid, Tetrasodium Salt: 24 h EC Water Flea (*Daphnia magna*): 570.0-640.0 mg/l Mortality
Sodium meta-Silicate: No Data Available
Diphosphoric Acid, Tetrapotassium Salt: No Data Available

TOXICITY TO ALGAE:

Ethylenediaminetetra Acetic Acid, Tetrasodium Salt: No Data Available
Sodium meta-Silicate: No Data Available
Diphosphoric Acid, Tetrapotassium Salt: No Data Available

TOXICITY TO BACTERIA:

Ethylenediaminetetra Acetic Acid, Tetrasodium Salt: No Data Available
Sodium meta-Silicate: No Data Available
Diphosphoric Acid, Tetrapotassium Salt: No Data Available

BIOCHEMICAL OXYGEN DEMAND:

Ethylenediaminetetra Acetic Acid, Tetrasodium Salt: No Data Available
Sodium meta-Silicate: No Data Available
Diphosphoric Acid, Tetrapotassium Salt: No Data Available

CHEMICAL OXYGEN DEMAND:

Ethylenediaminetetra Acetic Acid, Tetrasodium Salt: No Data Available
Sodium meta-Silicate: No Data Available
Diphosphoric Acid, Tetrapotassium Salt: No Data Available

SECTION 12 NOTES: NA

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Waste must be disposed of in accordance with federal, state and local environmental control regulations.

SECTION 13 NOTES: NA

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION:

PROPER SHIPPING NAME: Corrosive liquid, basic, organic, n.o.s.
HAZARD CLASS: 8
ID NUMBER: UN3267
PACKING GROUP: III
LABEL STATEMENT: Corrosive 8

WATER TRANSPORTATION:

PROPER SHIPPING NAME: Corrosive liquid, basic, organic, n.o.s.
HAZARD CLASS: 8
ID NUMBER: UN3267
PACKING GROUP: III
LABEL STATEMENT: Corrosive 8



SAFETY DATA SHEET

POWER BLUE WATERLINE & TILE

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OTHER AGENCIES: NA

SECTION 14 NOTES: Quantity Limits: Passenger Aircraft/Rail = 0.5L, Cargo Aircraft Only = 2.5L. Vessel Stowage: Stow clear of living quarters and "separate from" acids.

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.

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT): NOT REGULATED

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

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT): NOT REGULATED

311/312 HAZARD CATEGORIES: NOT REGULATED

313 REPORTABLE INGREDIENTS: NOT REGULATED

STATE REGULATIONS: NOT REGULATED

INTERNATIONAL REGULATIONS: NOT REGULATED

SECTION 15 NOTES: NA

SECTION 16: OTHER INFORMATION

REFERENCES: ScienceLab.com & Raw Chemical Company Suppliers (2015)

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

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