



SAFETY DATA SHEET

POWER BLUE SCALE OFF

FILE NO.: SDS-0025

SDS DATE: 06-09-2018

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

1.1 Product Identifier:

PRODUCT NAME: POWER BLUE SCALE OFF
SYNONYMS: POWER BLUE SCALE OFF
PRODUCT CODES: NA
CHEMICAL NAME: POWER BLUE SCALE OFF
CHEMICAL FAMILY: Cleaning Agent
CHEMICAL FORMULA: Proprietary
REGISTRATION # REACH: NA
CAS NUMBER: Mixture
EC NUMBER: NA
MOLECULAR MASS: NA

1.2 Relevant identified uses of the substance or mixture and uses advised against:

1.2.1 Relevant identified uses:
Pool & Spa
Cleansing product

1.2.2 Uses advised against: No uses advised against are known.

1.3 Details of the supplier of the Safety Data Sheet:

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

1.4 Emergency telephone number:

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

SECTION 1 NOTES: NA

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

2.1.1 Classification according to Federal OSHA Hazard Communication Standard 29CFR 1910-1200.
Classified as Skin Corr. 1C, Eye Dam. 1, Met. Corr. 1.

Class	Catagory	Hazard statements
Proprietary Blend	NA	Corrosive

2.2 Label elements: Hazard Symbol(s)





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SIGNAL WORD: 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/vapors/spray. Take off contaminated clothing and wash before reuse. Keep only in original container.

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

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 medical attention.

POTENTIAL HEALTH EFFECTS

ACUTE HEALTH HAZARDS: NA

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.

2.3 Other hazards: No other data available.

SECTION 2 NOTES: NA

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 INGREDIENTS:

Components	CAS No.	% WT
Proprietary Formula	Trade Secret	C≥25%
Proprietary Surfactants & Inerts	Trade Secret	Balance

SECTION 3 NOTES: Specific identification & percentage of composition is being withheld as a trade secret in accordance with 29CFR1910.1200.



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SECTION 4: FIRST AID MEASURES

4.1 Description of First Aid measures:

General:

Check the vital functions.
Unconscious: maintain adequate airway and respiration.
Respiratory arrest: artificial respiration or oxygen.
Cardiac arrest: perform resuscitation. Victim conscious with labored breathing: have seated.
Victim in shock: on his back with legs slightly raised.
Vomiting: prevent asphyxia/aspiration pneumonia. Prevent cooling by covering the victim (no warming up). Keep watching the victim.
Give psychological aid. Keep the victim calm, avoid physical strain.
Depending on the victim's condition: transport victim to doctor/hospital.

INHALATION:

If inhaled, remove to fresh air. Treat symptomatically.

SKIN:

In case of contact remove contaminated clothing/shoes immediately, 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. Seek medical attention immediately. *Acute symptoms after contact: No significant irritation.*

EYES:

Rinse cautiously with plenty of water for at least 15 minutes. Do not apply neutralizing agents. Check for and remove any contact lenses, if safe to do so, after 1-2 minutes of rinsing. 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/damage to eye tissue. Corrosion of the eye tissue.*

INGESTION:

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. Contact a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband. *Acute symptoms after contact: Nausea. Vomiting.*

4.2 Most important symptoms and effects, both acute and delayed:

Aside from the information found under First Aid measures (above) and indication of immediate medical attention and special treatment needed (below), any additional important symptoms and effects are described in Section 11: Toxicology Information.

4.3 Indication of any immediate medical attention and special treatment needed.

None Specific. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

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

SECTION 4 NOTES: NA

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing media

- 5.1.1 **SUITABLE EXTINGUISHING MEDIA:** Large quantity of water. Dry chemical fire extinguishers. Carbon dioxide fire extinguishers.
5.1.2 **UNSUITABLE EXTINGUISHING MEDIA:** None Known.

5.2 Special hazards arising from the substance or mixture:

Hazardous combustion products: NA

5.3 Advise for firefighters:



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- 5.3.1 SPECIAL FIRE FIGHTING PROCEDURES:** Should wear complete protective clothing including SCBA. Gloves, safety glasses, Protective clothing. Heat/Fire Exposure: compressed air/oxygen apparatus.
- 5.3.2 UNUSUAL FIRE AND EXPLOSION HAZARDS:** No known unusual fire warnings.

5.3 Special Protective equipment for firefighters:

Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots and gloves). Avoid contact with this material during fire fighting operations. If contact is likely, change to full chemical resistant fire fighting clothing with SCBA and fight fire from remote location. For protective equipment in post-fire or non-fire clean-up situations, refer to the relevant sections.

SECTION 5 NOTES: NA

FLASH POINT: NA

METHOD USED: NA

AUTOIGNITION TEMPERATURE: Not Applicable

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

Prevent contact with eyes, skin, or clothing. Wear protective gloves, protective clothing, eye protection, face protection. Do NOT breathe dust, fume, gas mist, vapors, or spray. Avoid use in area with open flames.

6.1.1 Protective equipment for non-emergency personnel.

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.

6.1.1 Protective equipment for emergency responders.

Gloves. Safety glasses. Protective clothing. For suitable protective clothing: see section 8.

6.2 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.

6.3 METHODS FOR CONTAINMENT & CLEAN-UP:

Plug the leak(s), cut off supply of spill. Dam up and soak up with inert absorbent material. (e.g. sand, silica gel, acid binder, universal binder, sawdust, clay-bases granular). Keep in suitable, closed containers for disposal.

SECTION 6 NOTES: Containers may be hazardous when empty, since they may retain product residues (vapor, liquid and/or solid). Comply with all applicable federal, state, and local regulations for clean-up and disposal methods. See section 13.

SECTION 7: HANDLING AND STORAGE

7.1 HANDLING:

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



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7.2 STORAGE:

7.2.1 – Safe storage requirements:

Store in a cool, dry, ventilated area. Keep from freezing or away from open flames/heat. Keep only in original (labeled) container. Meet all state and local legal requirements.

7.2.2 – Avoid danger/incompatible:

Substances that react to water. Strong Bases.

7.2.3 Non-suitable packaging material: NA

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

8.1 Control Parameters:

8.1.1 Occupational exposure:

a) Occupational exposure limit values:

If values are available they will be listed below.

b) National biological limit values:

If values are available they will be listed below.

8.1.2 Sampling methods: NA

8.1.3 Applicable limit values when using the substance or mixture as intended.

If values are available they will be listed below.

8.1.4 DNEL/PNEC values

DNEL – Workers

Effect Level (DNEL/DMEL)	Type	Value	Remarks
DNEL	Long-term local effects: inhalation	N/A	
	Long-term local effects: dermal	N/A	
	Acute local effects: dermal	N/A	

DNEL – General Population

Effect Level (DNEL/DMEL)	Type	Value	Remarks
DNEL	Long-term local effects: dermal	N/A	
	Acute local effects: dermal	N/A	

8.2 Exposure control:

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.

8.2.1 Appropriate engineering controls:

Avoid raising dust. Keep away from naked flame/heat. Always handle in well ventilated area.

8.2.2 Individual protection measures, such as personal protective equipment

Observe normal hygiene standards. Keep container tightly closed. Do not eat, drink or smoke in work areas.

a) Respiratory protection.



Not normally required.



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b) 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.

c) Skin protection (Hand 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.

d) Thermal Protection

Not normally required.

8.2.3 Environmental exposure controls:

See section 6 and 13.

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

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.



PPE Pictograms:

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information: Physical and chemical properties.

APPEARANCE: Amber Liquid

ODOR: NA

PHYSICAL STATE: Liquid.

pH AS SUPPLIED: 0.7 +/- 2% @ 20 ° C

pH (1% Solution in H₂O): NA

BOILING POINT: ~212° F (100° C)

FLASH POINT: Non-combustible / Non-flammable

MELTING POINT: NA

FREEZING POINT: 32° F (0 C)

VAPOR PRESSURE (kPa): Similar to water

VAPOR DENSITY (AIR = 1): Similar to water

SPECIFIC GRAVITY (H₂O = 1): NA

EVAPORATION RATE: Similar to water

SOLUBILITY IN WATER: Soluble

PERCENT VOLATILE BY WEIGHT %: ~50%



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PERCENT VOLATILE: > 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

10.1 REACTIVITY:

Will react with oxidizers.

10.2 STABILITY:

Stable under normal use and temperature conditions, up to 110 C (230 F).

10.3 HAZARDOUS POLYMERIZATION:

Not Available.

10.4 CONDITIONS TO AVOID (STABILITY):

Incompatible materials. This material can be extremely hazardous in contact with chlorates or nitrates and strong bases. Material is acidic. Contact with hydrochlorides will liberate toxic gases. Contact with alkaline materials will generate heat.

10.5 INCOMPATIBILITY:

Strong oxidizing agents.

10.6 HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:

No known decomposition information is available.

SECTION 10 NOTES: NA

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

11.1.1 Test results

a) ACUTE TOXICOLOGICAL: NA

b) CORROSION / IRRITATION: NA

c) RESPIRATORY OR SKIN SENSITIVITY: NA

d) SPECIFIC TARGET ORGAN TOXICITY: NA

SECTION 11 NOTES: NA



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SECTION 12: ECOLOGICAL INFORMATION

BIODEGRADABILITY: No Data Available

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

12.1 Acute Toxicology

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.

FRESH WATER INVERTEBRATES: No Data Available.

SALT WATER: No Data Available

*Conclusion: No Data Available.

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.

12.2 Resistance to degradability

Biodegradability: No Data Available.

12.3 Bioaccumulative potential: No known potential.

12.4 Mobility in soil

Low mobility in soil.

12.5 Results of PBT and vPvB assessment:

Not classified.

SECTION 12 NOTES: NA.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 WASTE DISPOSAL METHOD:

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: Use 40 CFR 261.3 to determine proper EPA hazard classification and proper disposal method.



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SECTION 14: TRANSPORT INFORMATION

ROAD - U.S. DEPARTMENT OF TRANSPORTATION:

Non-Hazardous Material – Not regulated by D.O.T.

WATER TRANSPORTATION:

Consult Jack's Magic for instructions before shipping by water.

RAIL (RID) TRANSPORTATION:

Consult Jack's Magic for instructions before shipping by rail.

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

Consult Jack's Magic for instructions before shipping by air.

OTHER AGENCIES: NA

SECTION 14 NOTES:

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: Immediate (Acute)

313 REPORTABLE INGREDIENTS: NOT REGULATED

302 REPORTABLE INGREDIENTS: NOT REGULATED

Proposition 65 (California): NOT REGULATED

INTERNATIONAL REGULATIONS: NA

SECTION 15 NOTES: NA

SECTION 16: OTHER INFORMATION

REFERENCES: Information based on classification according to Raw Chemical Suppliers SDS sheets (2008/2014)

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