



# MATERIAL SAFETY DATA SHEET

NAME OF PRODUCT

FILE NO.:

MSDS DATE:12/15/2010

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: **POWER BLUE CARTRIDGE & DE FILTER CLEANER**

SYNONYMS:

PRODUCT CODES: **JMPBCARTRIDGE**

MANUFACTURER: **JACK'S MAGIC PRODUCTS, INC.**

DIVISION:

ADDRESS: **12435 73<sup>RD</sup> COURT, LARGO, FL 33773**

EMERGENCY PHONE: **800-348-1656**

CHEMTREC PHONE: **800-424-9300**

OTHER CALLS:

FAX PHONE: **727-532-0250**

CHEMICAL NAME:

CHEMICAL FAMILY:

CHEMICAL FORMULA:

PRODUCT USE:

PREPARED BY:

SECTION 1 NOTES:

## SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT: **DISODIUM TRIOXOSILICATE**

CAS NO.  
**6834-92-0**

% WT

% VOL

SARA 313 REPORTABLE

ppm

mg/m3

OSHA PEL-TWA: **N.E.**

OSHA PEL STEL : **N.E.**

OSHA PEL CEILING: **N.E.**

ACGIH TLV-TWA: **N.E.**

ACGIH TLV STEL: **N.E.**

ACGIH TLV CEILING: **N.E.**

SECTION 2 NOTES:

## SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

ROUTES OF ENTRY:

POTENTIAL HEALTH EFFECTS

EYES:

SKIN:

INGESTION:

INHALATION:

ACUTE HEALTH HAZARDS:

CHRONIC HEALTH HAZARDS:

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:



# MATERIAL SAFETY DATA SHEET

NAME OF PRODUCT

FILE NO.:

MSDS DATE: 12/15/2010

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: **POWER BLUE WATER LINE & TILE CLEANER**

SYNONYMS:

PRODUCT CODES: **JMPBWATER&TILE**

MANUFACTURER: **JACK'S MAGIC PRODUCTS, INC.**

DIVISION:

ADDRESS: **12435 73<sup>RD</sup> COURT, LARGO, FL 33773**

EMERGENCY PHONE: **800-348-1656**

CHEMTREC PHONE: **800-424-9300**

OTHER CALLS:

FAX PHONE: **727-532-0250**

CHEMICAL NAME:

CHEMICAL FAMILY:

CHEMICAL FORMULA:

PRODUCT USE: **CLEANING COMPOUND**

PREPARED BY:

SECTION 1 NOTES:

## SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT: SODIUM METASILICATE

<u>CAS NO.</u>	<u>% WT</u>	<u>% VOL</u>	<u>SARA 313 REPORTABLE</u>
<b>6834-92-0</b>			
	<u>ppm</u>	<u>mg/m3</u>	
OSHA PEL-TWA: <b>N.E.</b>			
OSHA PEL STEL : <b>N.E.</b>			
OSHA PEL CEILING: <b>N.E.</b>			
ACGIH TLV-TWA: <b>N.E.</b>			
ACGIH TLV STEL: <b>N.E.</b>			
ACGIH TLV CEILING: <b>N.E.</b>			

SECTION 2 NOTES:

## SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

ROUTES OF ENTRY:

POTENTIAL HEALTH EFFECTS

EYES:

SKIN:

INGESTION:

INHALATION:

ACUTE HEALTH HAZARDS:

CHRONIC HEALTH HAZARDS:

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

CARCINOGENICITY



# MATERIAL SAFETY DATA SHEET

FILE NO.:  
MSDS DATE: 12/15/2010

NAME OF PRODUCT  
OSHA:  
OTHER:

ACGIH:

NTP:

IARC:

SECTION 3 NOTES:

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## SECTION 4: FIRST AID MEASURES

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EYES:

SKIN:

INGESTION:

INHALATION:

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:

SECTION 4 NOTES:

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## SECTION 5: FIRE-FIGHTING MEASURES

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FLAMMABLE LIMITS IN AIR, UPPER  
(% BY VOLUME) LOWER:

FLASH POINT: NONE

F:

C:

METHOD USED:

AUTOIGNITION TEMPERATURE:

F:

C:

NFPA HAZARD CLASSIFICATION

HEALTH:

FLAMMABILITY:

REACTIVITY:

OTHER:

HMIS HAZARD CLASSIFICATION

HEALTH:

FLAMMABILITY:

REACTIVITY:

PROTECTION:

EXTINGUISHING MEDIA: **WATER SPRAY, DRY CHEMICAL, CARBON DIOXIDE, ALCOHOL FOAM**

SPECIAL FIRE FIGHTING PROCEDURES: **WEAR SELF-CONTAINED, FULL-FACE BREATHING APPARATUS**

UNUSUAL FIRE AND EXPLOSION HAZARDS: **NONE KNOWN**

HAZARDOUS DECOMPOSITION PRODUCTS: **CO, CO2**

SECTION 5 NOTES:

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

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ACCIDENTAL RELEASE MEASURES: **CONTAIN LARGE SPILLS AND PUMP TO RECOVER. SMALL SPILLS CAN BE MOPPED UP. FLUSH CONTAMINATED AREA WITH WATER. DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS.**

SECTION 6 NOTES:

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## SECTION 7: HANDLING AND STORAGE

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# MATERIAL SAFETY DATA SHEET

NAME OF PRODUCT

FILE NO.:

MSDS DATE: 12/15/2010

**HANDLING AND STORAGE: STORE IN COOL, DRY PLACE. KEEP CONTAINER CLOSED WHEN NOT IN USE. KEEP OUT OF REACH OF CHILDREN. PROTECTIVE GLOVES AND EYE PROTECTION IS RECOMMENDED. WASH HANDS THOROUGHLY AFTER USE.**

OTHER PRECAUTIONS:

SECTION 7 NOTES:

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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ENGINEERING CONTROLS:

VENTILATION :

RESPIRATORY PROTECTION:

EYE PROTECTION: **RECOMMENDED**

SKIN PROTECTION: **GLOVES RECOMMENDED**

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

WORK HYGIENIC PRACTICES:

EXPOSURE GUIDELINES:

SECTION 8 NOTES:

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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APPEARANCE: **CLEAR BLUE LIQUID**

ODOR: **NON-OBJECTIONABLE ODOR**

PHYSICAL STATE:

pH AS SUPPLIED:

pH (Other):

BOILING POINT:

F: **>212F**

C:

MELTING POINT: F:

C:

FREEZING POINT:

F:

C:

VAPOR PRESSURE (mmHg): **UKN**

@

F:

C:

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

@

F:

C:

SPECIFIC GRAVITY (H<sub>2</sub>O = 1):

@

F:

C:

EVAPORATION RATE: **UKN**

BASIS (=1):

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (con't)

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SOLUBILITY IN WATER: **1.035**



# MATERIAL SAFETY DATA SHEET

FILE NO.:  
MSDS DATE: 12/15/2010

NAME OF PRODUCT  
PERCENT SOLIDS BY WEIGHT:

PERCENT VOLATILE:  
BY WT/ BY VOL @

F:  
C:

VOLATILE ORGANIC COMPOUNDS (VOC):

WITH WATER: LBS/GAL  
WITHOUT WATER: LBS/GAL

MOLECULAR WEIGHT:  
VISCOSITY:

@

F:  
C:

SECTION 9 NOTES:

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## SECTION 10: STABILITY AND REACTIVITY

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STABLE

UNSTABLE

STABILITY: **STABLE**

CONDITIONS TO AVOID (STABILITY): **EXTREME TEMPERATURES**

INCOMPATIBILITY (MATERIAL TO AVOID):

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: **CO, CO2**

HAZARDOUS POLYMERIZATION: **WILL NOT OCCUR**

CONDITIONS TO AVOID (POLYMERIZATION): **WILL NOT OCCUR**

SECTION 10 NOTES:

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## SECTION 11: TOXICOLOGICAL INFORMATION

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TOXICOLOGICAL INFORMATION:

SECTION 11 NOTES:

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## SECTION 12: ECOLOGICAL INFORMATION

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ECOLOGICAL INFORMATION:

SECTION 12 NOTES:

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## SECTION 13: DISPOSAL CONSIDERATIONS

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WASTE DISPOSAL METHOD:

RCRA HAZARD CLASS:

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## SECTION 13: DISPOSAL CONSIDERATIONS (con't)

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SECTION 13 NOTES:

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## SECTION 14: TRANSPORT INFORMATION

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# MATERIAL SAFETY DATA SHEET

NAME OF PRODUCT

FILE NO.:

MSDS DATE: 12/15/2010

## U.S. DEPARTMENT OF TRANSPORTATION

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

## WATER TRANSPORTATION

PROPER SHIPPING NAME:  
HAZARD CLASS:  
ID NUMBER:  
PACKING GROUP:  
LABEL STATEMENTS:

## AIR TRANSPORTATION

PROPER SHIPPING NAME:  
HAZARD CLASS:  
ID NUMBER:  
PACKING GROUP:  
LABEL STATEMENTS:

OTHER AGENCIES:

SECTION 14 NOTES:

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## SECTION 15: REGULATORY INFORMATION

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### U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT):

CECLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):

311/312 HAZARD CATEGORIES:

313 REPORTABLE INGREDIENTS:

STATE REGULATIONS:

INTERNATIONAL REGULATIONS:

SECTION 15 NOTES:

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## SECTION 16: OTHER INFORMATION

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OTHER INFORMATION:

PREPARATION INFORMATION:

DISCLAIMER:



# MATERIAL SAFETY DATA SHEET

NAME OF PRODUCT

FILE NO.:  
MSDS DATE:

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: **POWER BLUE HIGH GLOSS ULTRA UV PROTECTANT**

SYNONYMS:

PRODUCT CODES:

MANUFACTURER: **JACK'S MAGIC PRODUCTS, INC.**

DIVISION:

ADDRESS: **12435 73<sup>RD</sup> COURT, LARGO, FL 33773**

EMERGENCY PHONE: **800-348-1656**

CHEMTREC PHONE: **800-424-9300**

OTHER CALLS:

FAX PHONE: **727-532-0250**

CHEMICAL NAME:

CHEMICAL FAMILY:

CHEMICAL FORMULA:

PRODUCT USE:

PREPARED BY:

## SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

### INGREDIENT:

<u>CAS NO.</u>	<u>% WT</u>	<u>% VOL</u>	<u>SARA 313 REPORTABLE</u>
	<u>ppm</u>	<u>mg/m3</u>	
OSHA PEL-TWA:			
OSHA PEL STEL :			
OSHA PEL CEILING:			
ACGIH TLV-TWA:			
ACGIH TLV STEL:			
ACGIH TLV CEILING:			

SECTION 2 NOTES:

## SECTION 3: HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW: THIS PRODUCT IS NOT CLASSIFIED AS A HAZARDOUS SUBSTANCE OR AS DANGEROUS GOODS ACCORDING TO THE CLASSIFICATION OF NOHSC AND THE ADG CODE (AUSTRALIA). IN THE EVENT OF AN EXPOSURE OR MEDICAL INQUIRY INVOLVING THIS PRODUCT, PLEASE CONTACT A PHYSICIAN OR LOCAL POISON CONTROL CENTER, WHO MAY SEEK ADVICE FROM CHEMTREC OR THE U.S. MANUFACTURER, AND SHOW THEM THIS MATERIAL SAFETY DATA SHEET.**

**ROUTES OF ENTRY: INHALATION: NO SKIN & EYES: YES INGESTION: YES**

### POTENTIAL HEALTH EFFECTS

**EYES: POSSIBLE IRRITATION AND BURNING SENSATION**

**SKIN: POSSIBLE IRRITATION AND DERMATITIS (RASH)**

**INGESTION: POSSIBLE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING OR DIARRHEA**

**INHALATION: NO ADVERSE HEALTH EFFECTS EXPECTED**

ACUTE HEALTH HAZARDS:

CHRONIC HEALTH HAZARDS: **NONE KNOWN**

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

### CARCINOGENICITY

OSHA:

ACGIH:

NTP:

IARC:

OTHER:



# MATERIAL SAFETY DATA SHEET

NAME OF PRODUCT

FILE NO.:

MSDS DATE:

SECTION 3 NOTES:

## SECTION 4: FIRST AID MEASURES

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**EYES:** FLUSH EYES THOROUGHLY WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 20 MINUTES, HOLDING EYELIDS OPEN TO ENSURE COMPLETE FLUSHING. IF IRRITATION PERSISTS, CONTACT A PHYSICIAN.

**SKIN:** WASH AFFECTED AREAS WITH SOAP AND WATER. IF IRRITATION PERSISTS, CONTACT A PHYSICIAN. LAUNDRER CLOTHING BEFORE RESUE.

**INGESTION:** IF VOMITING OCCURS SPONTANEOUSLY, KEEP VICTIM'S HEAD LOWERED (FORWARD) TO REDUCT THE RISK OF ASPIRATION.

**INHALATION:** REMOVE VICTIM TO FRESH AIR AT ONCE.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:

SECTION 4 NOTES:

## SECTION 5: FIRE-FIGHTING MEASURES

---

FLAMMABLE LIMITS IN AIR, UPPER (% BY VOLUME) LOWER:

FLASH POINT: **NOT FLAMMABLE**

F:

C:

METHOD USED:

AUTOIGNITION TEMPERATURE: **NOT APPLICABLE**

F:

C:

NFPA HAZARD CLASSIFICATION

HEALTH:

FLAMMABILITY:

REACTIVITY:

OTHER:

HMIS HAZARD CLASSIFICATION

HEALTH:

FLAMMABILITY:

REACTIVITY:

PROTECTION:

EXTINGUISHING MEDIA:

SPECIAL FIRE FIGHTING PROCEDURES:

UNUSUAL FIRE AND EXPLOSION HAZARDS:

HAZARDOUS DECOMPOSITION PRODUCTS:

SECTION 5 NOTES:

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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ACCIDENTAL RELEASE MEASURES: **SECURE SPILL AREA AND MAXIMIZE VENTILATION. STOP SPILL OR LEAK AT SOURCE IF SAFELY POSSIBLE.**

## SECTION 7: HANDLING AND STORAGE

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**HANDLING AND STORAGE:** USE AND STORE IN A COOL, DRY, WELL-VENTILATED AREA. KEEP AWAY FROM EXCESSIVE HEAT, OPEN FLAMES, SPARKS, AND OTHER POSSIBLE SOURCES OF IGNITION. DO NOT STORE IN UNMARKED CONTAINERS OR STORAGE DEVICES.

OTHER PRECAUTIONS:

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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# MATERIAL SAFETY DATA SHEET

NAME OF PRODUCT

FILE NO.:

MSDS DATE:

## ENGINEERING CONTROLS:

**VENTILATION : GENERAL MECHANICAL VENTILATION IS SUFFICIENT FOR USE WITH THIS PRODUCT. LOCAL EXHAUST IS RECOMMENDED IN ENCLOSED OR CONFINED SPACES.**

## RESPIRATORY PROTECTION:

## EYE PROTECTION:

## SKIN PROTECTION:

## OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

## WORK HYGIENIC PRACTICES:

## EXPOSURE GUIDELINES:

## SECTION 8 NOTES:

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: **MILKY, WHITE LIQUID**

ODOR: **MILD**

## PHYSICAL STATE:

pH AS SUPPLIED: **9.79**

pH (Other):

BOILING POINT: **>100°C**

F:

C:

MELTING POINT: **<1.0°C** F:

C:

FREEZING POINT:

F:

C:

VAPOR PRESSURE (mmHg): **@ 20°C 17MM Hg**

F:

C:

VAPOR DENSITY (AIR = 1): **3.2 (AIR=1.0)**

@

F:

C:

SPECIFIC GRAVITY (H2O = 1):

@

F:

C:

EVAPORATION RATE: **<1.0(WATER = 1)**

BASIS (=1):

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (con't)

SOLUBILITY IN WATER: **FULLY SOLUBLE**

PERCENT SOLIDS BY WEIGHT:

PERCENT VOLATILE:

BY WT/ BY VOL @

F:

C:

VOLATILE ORGANIC COMPOUNDS (VOC):

WITH WATER: LBS/GAL

WITHOUT WATER: LBS/GAL

MOLECULAR WEIGHT: **NOT AVAILABLE**



# MATERIAL SAFETY DATA SHEET

NAME OF PRODUCT

FILE NO.:

MSDS DATE:

VISCOSITY:

@

F:

C:

SECTION 9 NOTES:

---

## SECTION 10: STABILITY AND REACTIVITY

---

STABLE

UNSTABLE

STABILITY: **STABLE UNDER NORMAL CONDITIONS**

CONDITIONS TO AVOID (STABILITY): **CLOSE PROXIMITY TO INCOMPATIBLE SUBSTANCES (ALKALIES, STRONG OXIDIZERS.)**

INCOMPATIBILITY (MATERIAL TO AVOID): **NONE REPORTED TO MANUFACTURER**

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: **HEAT AND CARBON DIOXIDE**

HAZARDOUS POLYMERIZATION: **WILL NOT OCCUR**

CONDITIONS TO AVOID (POLYMERIZATION):

SECTION 10 NOTES:

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## SECTION 11: TOXICOLOGICAL INFORMATION

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TOXICOLOGICAL INFORMATION: **NO GENERAL OR SPECIFIC TOXICITY DATA HAS BEEN REPORTED BY THE MANUFACTURER OTHER THAN THE INFORMATION PRESENTED IN SECTION 2. HOWEVER, GOOD PERSONAL HYGIENE PRACTICES, SUCH AS WASHING ANY SKIN CONTACT AREAS AND REMOVING CONTAMINATED CLOTHING ARE RECOMMENDED.**

SECTION 11 NOTES:

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## SECTION 12: ECOLOGICAL INFORMATION

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ECOLOGICAL INFORMATION: **THE MANUFACTURER HAS NOT REPORTED DETAILED STUDIES ON THE ENVIRONMENTAL FATE OF THE MATERIAL. HOWEVER, PRUDENT PRACTICE WOULD INDICATE THE MATERIAL NOT BE ALLOWED TO ENTER THE ENVIRONMENT.**

SECTION 12 NOTES:

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## SECTION 13: DISPOSAL CONSIDERATIONS

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WASTE DISPOSAL METHOD: **DISPOSE OF IN ACCORDANCE WITH REGIONAL, FEDERAL, STATE, AND PROVINCIAL HAZARDOUS WASTE LAWS.**

RCRA HAZARD CLASS:

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## SECTION 13: DISPOSAL CONSIDERATIONS (con't)

---

SECTION 13 NOTES:

---

## SECTION 14: TRANSPORT INFORMATION

---

U.S. DEPARTMENT OF TRANSPORTATION **NOT REGULATED**

PROPER SHIPPING NAME:

HAZARD CLASS:

ID NUMBER:

PACKING GROUP:

LABEL STATEMENT:



# MATERIAL SAFETY DATA SHEET

NAME OF PRODUCT

FILE NO.:

MSDS DATE:

## WATER TRANSPORTATION

PROPER SHIPPING NAME:

HAZARD CLASS:

ID NUMBER:

PACKING GROUP:

LABEL STATEMENTS:

## AIR TRANSPORTATION

PROPER SHIPPING NAME:

HAZARD CLASS:

ID NUMBER:

PACKING GROUP:

LABEL STATEMENTS:

OTHER AGENCIES:

SECTION 14 NOTES:

---

## SECTION 15: REGULATORY INFORMATION

---

U.S. FEDERAL REGULATIONS **NOT REGULATED**

TSCA (TOXIC SUBSTANCE CONTROL ACT):

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):

311/312 HAZARD CATEGORIES:

313 REPORTABLE INGREDIENTS:

STATE REGULATIONS: **INGREDIENTS IN THIS MIXTURE ARE NOT FOUND ON ANY OF THE FOLLOWING STATE CRITERIA LISTS: CALIFORNIA OSHA HAZARDOUS SUBSTANCES LIST, CALIFORNIA PROPOSITION 65, DELAWARE AIR QUALITY MGMT LIST, FLORIDA TOXIC SUBSTANCES LIST, MASSACHUSETTS HAZARDOUS SUBSTANCES LIST, MICHIGAN CRITICAL SUBSTANCES LIST, PENNSYLVANIA HAZARDOUS SUBSTANCES LIST, WISCONSIN HAZARDOUS SUBSTANCES LIST.**

INTERNATIONAL REGULATIONS: **THE PRIMARY COMPONENTS OF THIS PRODUCT ARE NOT LISTED IN ANNEX 1 OF EU DIRECTIVE 67/548/EEC. SAFETY PHRASES (S): 2-3/9-20/21-45-59 – KEEP OUT OF REACH OF CHILDREN. KEEP IN A COOL, WELL VENTILATED PLACE. WHEN USING DO NOT EAT, DRINK, OR SMOKE. IN CASE OF ACCIDENT OR IF YOU FEEL UNWELL, SEEK MEDICAL ADVICE IMMEDIATELY (SHOW THE LABEL WHERE POSSIBLE)**

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## SECTION 16: OTHER INFORMATION

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OTHER INFORMATION: REPELS DUST, SOILING & STAINING. PROTECTS AGAINST UV AND OZONE DETIORIZATION. USE ON VINYL SPA COVERS, WROUGHT IRON, ALUMINUM, ANODIZED ALUMINIUM, VINYL LINERS, PLASTIC, FIBER GLASS, PVC AND PLASTIC POOL FILTER TANKS, SWIMMING POOL FILTER VALVES, FIBERGLASS GEL COAT, GLAZED TILE, RUBBER TIRES, BOAT SEATS, INFLATABLE BOATS, CANOES, KAYAKS, CAR BRAS, VINYL CAR TOPS, DOOR AND TRUNK SEALS, FENDERS FLARES, BUMBERS, TRIM, LENSES, MOTORCYLES, BICYCLES, ATV'S PERSONAL WATERCRAFT, SNOW MOBILES, WET SUITS. NOT FOR TEXTILES, UNFINISHED LEATHERS OR FLOORS.

PREPARATION INFORMATION:

DISCLAIMER:



# MATERIAL SAFETY DATA SHEET

NAME OF PRODUCT

FILE NO.:

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**CARCINOGENICITY**

OSHA:

ACGIH:

NTP:

IARC:

OTHER:

**SECTION 3 NOTES:**

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**SECTION 4: FIRST AID MEASURES**

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**EYES: FLUSH EYES IMMEDIATELY WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES LIFTING EYELIDS OCCASIONALLY. GET MEDICAL ATTENTION.**

**SKIN: REMOVE CONTAMINATED CLOTHING AND WASH WITH PLENTY OF SOAP AND WATER**

**INGESTION: GIVE LARGE QUANTITIES OF WATER, THEN SEVERAL GLASSES OF MILK. DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION IMMEDIATELY**

**INHALATION: MOVE TO FRESH AIR. CONSULT PHYSICIAN IF SYMPTOMS PERSIST.**

**NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:**

**SECTION 4 NOTES:**

---

**SECTION 5: FIRE-FIGHTING MEASURES**

---

**FLAMMABLE LIMITS IN AIR, UPPER  
(% BY VOLUME) LOWER:**

**FLASH POINT: NONE**

**F:**

**C:**

**METHOD USED:**

**AUTOIGNITION TEMPERATURE:**

**F:**

**C:**

**NFPA HAZARD CLASSIFICATION**

**HEALTH:**

**FLAMMABILITY:**

**REACTIVITY:**

**OTHER:**

**HMIS HAZARD CLASSIFICATION**

**HEALTH:**

**FLAMMABILITY:**

**REACTIVITY:**

**PROTECTION:**

**EXTINGUISHING MEDIA: WATER SPRAY, DRY CHEMICAL, CARBON DIOXIDE, ALCOHOL FOAM**

**SPECIAL FIRE FIGHTING PROCEDURES: WEAR SELF-CONTAINED, FULL-FACE BREATHING APPARATUS**

**UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE**

**HAZARDOUS DECOMPOSITION PRODUCTS:**

**SECTION 5 NOTES:**

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**SECTION 6: ACCIDENTAL RELEASE MEASURES**

---

**ACCIDENTAL RELEASE MEASURES: CONTAIN LARGE SPILLS AND PUMP TO RECOVER. SMALL SPILLS CAN BE MOPPED UP. FLUSH CONTAMINATED AREA WITH WATER. DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS.**

**SECTION 6 NOTES:**



# MATERIAL SAFETY DATA SHEET

NAME OF PRODUCT

FILE NO.:

MSDS DATE:12/15/2010

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## SECTION 7: HANDLING AND STORAGE

---

HANDLING AND STORAGE: **STORE IN COOL, DRY PLACE. KEEP CONTAINER CLOSED WHEN NOT IN USE. KEEP OUT OF REACH OF CHILDREN.**

OTHER PRECAUTIONS:

SECTION 7 NOTES:

---

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

---

ENGINEERING CONTROLS:

VENTILATION :

RESPIRATORY PROTECTION:

EYE PROTECTION: **PROTECTIVE EYEWEAR RECOMMENDED**

SKIN PROTECTION: **PROTECTIVE GLOVES RECOMMENDED**

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

WORK HYGIENIC PRACTICES:

EXPOSURE GUIDELINES: **THRESHOLD LIMIT VALUE: NOT ESTABLISHED**

SECTION 8 NOTES:

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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APPEARANCE: **PURPLE LIQUID**

ODOR: **NON-OBJECTIONABLE ODOR**

PHYSICAL STATE:

pH AS SUPPLIED:

pH (Other):

BOILING POINT: **>212F**

F:

C:

MELTING POINT: F:

C:

FREEZING POINT:

F:

C:

VAPOR PRESSURE (mmHg): **UKN**

@

F:

C:

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

@

F:

C:

SPECIFIC GRAVITY (H<sub>2</sub>O = 1): **1.035**

@

F:

C:

EVAPORATION RATE: **UKN**

BASIS (=1):



# MATERIAL SAFETY DATA SHEET

NAME OF PRODUCT

FILE NO.:  
MSDS DATE:12/15/2010

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (con't)

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SOLUBILITY IN WATER: **COMPLETELY**  
PERCENT SOLIDS BY WEIGHT:

PERCENT VOLATILE:  
BY WT/ BY VOL @

F:

C:

VOLATILE ORGANIC COMPOUNDS (VOC):

WITH WATER: LBS/GAL  
WITHOUT WATER: LBS/GAL

MOLECULAR WEIGHT:  
VISCOSITY:

@

F:

C:

SECTION 9 NOTES:

---

## SECTION 10: STABILITY AND REACTIVITY

---

STABLE

UNSTABLE

STABILITY: **STABLE**

CONDITIONS TO AVOID (STABILITY): **EXTREME TEMPERATURES**

INCOMPATIBILITY (MATERIAL TO AVOID):

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: **CO, CO2**

HAZARDOUS POLYMERIZATION: **WILL NOT OCCUR**

CONDITIONS TO AVOID (POLYMERIZATION): **NONE**

SECTION 10 NOTES:

---

## SECTION 11: TOXICOLOGICAL INFORMATION

---

TOXICOLOGICAL INFORMATION:

SECTION 11 NOTES:

---

## SECTION 12: ECOLOGICAL INFORMATION

---

ECOLOGICAL INFORMATION:

SECTION 12 NOTES:

---

## SECTION 13: DISPOSAL CONSIDERATIONS

---

WASTE DISPOSAL METHOD:

RCRA HAZARD CLASS:

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## SECTION 13: DISPOSAL CONSIDERATIONS (con't)



# MATERIAL SAFETY DATA SHEET

NAME OF PRODUCT

FILE NO.:

MSDS DATE:12/15/2010

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SECTION 13 NOTES:

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SECTION 14: TRANSPORT INFORMATION

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U.S. DEPARTMENT OF TRANSPORTATION

PROPER SHIPPING NAME:

HAZARD CLASS:

ID NUMBER:

PACKING GROUP:

LABEL STATEMENT:

WATER TRANSPORTATION

PROPER SHIPPING NAME:

HAZARD CLASS:

ID NUMBER:

PACKING GROUP:

LABEL STATEMENTS:

AIR TRANSPORTATION

PROPER SHIPPING NAME:

HAZARD CLASS:

ID NUMBER:

PACKING GROUP:

LABEL STATEMENTS:

OTHER AGENCIES:

SECTION 14 NOTES:

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SECTION 15: REGULATORY INFORMATION

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U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT):

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):

311/312 HAZARD CATEGORIES:

313 REPORTABLE INGREDIENTS:

STATE REGULATIONS:

INTERNATIONAL REGULATIONS:

SECTION 15 NOTES:

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SECTION 16: OTHER INFORMATION

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OTHER INFORMATION:

PREPARATION INFORMATION:

DISCLAIMER: