

**MATERIAL SAFETY DATA SHEET**

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**Vendor Update:** 9/11/2012  
**Date Prepared:** 7/23/2013  
**MSDS Number:** WSR1 ;

**I. CHEMICAL PRODUCT IDENTIFICATION**

**Product Name:** BIO-CLEAN WATER STAIN REMOVER  
**HMIS Ratings:**

Health: Minimal(0)  
 Flammability: Minimal(0)  
 Instability/Reactivity: Minimal(0)

**NFPA Ratings:**

Health: Slight(1)  
 Flammability: Minimal(0)  
 Instability/Reactivity: Minimal(0)  
 Personal Protective Equipment: B

**Other:**

CHEMICAL FAMILY: ACID  
 APPLICATION: SCOURING CREAM  
 CAS NO: MIXTURE

**II. COMPOSITION, INFORMATION ON INGREDIENTS**

<b>Chemical Ingredients</b>	<b>C.A.S. Number</b>	<b>% By Weight</b>	<b>ACGIH TLV TWA/STEL</b>	<b>OSHA PEL TWA/STEL</b>	<b>Other TWA/STEL</b>	<b>LD50</b>	<b>LC50</b>
WATER	7732-18-5	40 - 60	N/A	N/A			
<b>Notes</b>							
SILICA (NO RESPIRABLE QUARTZ)	14808-60-7	30 - 40	0.1 mg/M <sup>3</sup>	0.1 mg/M <sup>3</sup>			
<b>Notes</b>							
DODECYL BENZYL SULFONIC ACID	27176-87-0	5 - 10	N/A	N/A			
<b>Notes</b>	HAZARD: CORROSIVE						
ALCOHOL ETHOXYLATE IRRITANT	68439-46-3	5 - 10	N/A	N/A			
<b>Notes</b>							

**III. HAZARDS IDENTIFICATION PRIMARY ROUTE OF ENTRY**

**Eyes:** CONTACT WITH EYES WILL CAUSE IRRITATION.

**Skin:** SKIN CONTACT CAN CAUSE IRRITATION WITH POSSIBLE REDNESS. SEVERITY OF ACTION IS HIGHLY DEPENDENT ON CONTACT TIME.

**Ingestion:** IF SWALLOWED, THIS PRODUCT MAY CAUSE SEVERE IRRITATION OR DAMAGE OF MUCOSAL LININGS OF THE MOUTH, THROAT, ESOPHAGUS OR STOMACH.

**Signs and Symptoms of**

**Exposure:**

**Other:**

STATEMENT OF HAZARDS: WARNING: CAUSES EYE AND SKIN IRRITATION.  
 PRIMARY ROUTE OF EXPOSURE: SKIN AND EYE CONTACT ARE THE PRINCIPAL ROUTES OF EXPOSURE TO THIS PRODUCT.  
 CARCINOGENICITY

IARC: NO  
 NTP – NO  
 OSHA – NO  
 ACGIH NO

#### IV. FIRST AID MEASURES

**Eyes:** IMMEDIATE FIRST AID IS REQUIRED TO PREVENT EYE DAMAGE. FLUSH IMMEDIATELY WITH WATER AND REMOVE CONTACT LENSES, IF APPLICABLE. THEN FLUSH WITH LARGE QUANTITIES OF RUNNING WATER FOR 15 MINUTES. HOLD EYELIDS APART DURING FLUSHING TO ENSURE COMPLETE RINSING OF ENTIRE SURFACE OF EYE AND LIDS WITH WATER. GET MEDICAL ATTENTION IMMEDIATELY. CONTINUE FLUSHING WITH WATER IF PHYSICIAN IS NOT IMMEDIATELY AVAILABLE.

**Skin:** REMOVE CONTAMINATED SHOES AND CLOTHING. WASH WITH SOAP AND WATER FOR 15 MINUTES. WASH CONTAMINATED CLOTHING BEFORE REUSE.

**Ingestion:** DO NOT INDUCE VOMITING. RINSE MOUTH WITH WATER. THEN GIVE 1–2 GLASSES OF WATER AND CALL A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY. IF VOMITING OCCURS, KEEP HEAD BELOW HIPS TO REDUCE RISK OF ASPIRATION. GIVE WATER AGAIN. NEVER GIVE ANYTHING BY MOUTH TO A PERSON WHO IS UNCONSCIOUS OR CONVULSING. GET MEDICAL ATTENTION IMMEDIATELY.

#### V. FIRE FIGHTING MEASURES

**Flash Point:** NONE

**Lower Flammability Limit:** NOT APPLICABLE

**Upper Flammability Limit:** NOT APPLICABLE

**Extinguishing Agents:** USE WATER SPRAY, DRY CHEMICAL, CARBON DIOXIDE OR FOAM EXTINGUISHING AGENTS UNLESS CONTRAINDICATED BY SURROUNDING ENVIRONMENT.

**Unusual Fire or Explosion Hazards:** NO UNUSUAL FIRE OR EXPLOSION HAZARDS OF THIS PRODUCT ARE KNOWN.

**Fire Fighting Procedures:** PREVENT HUMAN EXPOSURE TO FIRE, SMOKE, FUMES OR PRODUCTS OF COMBUSTION. EVACUATE NON–ESSENTIAL PERSONNEL FROM FIRE AREA. FIRE FIGHTERS SHOULD WEAR APPROPRIATE PROTECTIVE EQUIPMENT, INCLUDING SELF–CONTAINED BREATHING APPARATUS AND IMPERVIOUS CLOTHING. KEEP CONTAINERS COOLED WITH WATER SPRAY TO PREVENT RUPTURE FROM EXCESS HEAT.

**Other:** HAZARDOUS PRODUCTS:  
 THERMAL DECOMPOSITION OF THIS PRODUCT MAY GENERATE OXIDES OF CARBON, NITROGEN AND SULFUR.

#### VI. ACCIDENTAL RELEASE MEASURES

**Containment/Cleanup:** CAUTION:  
 IF SPILLED, FLOORS MAY BE EXTREMELY SLIPPERY. WEAR APPROPRIATE PROTECTIVE GEAR TO AVOID SKIN OR EYE CONTACT. DIKE AND CONTAIN SPILL WITH INERT MATERIAL (SAND, CLAY). TRANSFER LIQUID AND SOLIDS TO SEPARATE CONTAINERS FOR RECOVERY OR PROPER DISPOSAL. KEEP SPILL OUT OF STORM SEWERS AND OPEN BODIES OF WATER. AFTER REMOVAL, FLUSH AREA WITH WATER. FOLLOW GOOD INDUSTRIAL HYGIENE PRACTICES. WASH THOROUGHLY AFTER CLEAN UP. IF UNCERTAIN ABOUT PROPER DISPOSAL, CONTACT YOUR LOCAL WASTE DISPOSAL PROVIDER OR

THE REGIONAL OFFICE OF THE ENVIRONMENTAL PROTECTION AGENCY FOR GUIDANCE.

#### VII. HANDLING AND STORAGE

**Other:** HANDLING: AVOID CONTACT WITH SKIN OR EYES. USE PRODUCT ONLY ACCORDING TO LABEL DIRECTIONS. IF UNSURE ABOUT SAFE USE, CONTACT YOUR SUPERVISOR IMMEDIATELY. WASH WITH SOAP AND WATER AFTER HANDLING.  
STORAGE: STORE IN ORIGINAL CONTAINER IN A COOL, DRY, WELL-VENTILATED AREA. STORE AWAY FROM FOOD OR FEED. CONTAINERS SHOULD BE KEPT TIGHTLY CLOSED WHEN NOT IN USE. KEEP IN AN AREA INACCESSIBLE TO CHILDREN.

#### VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Eyes:** CHEMICAL RESISTANT GOGGLES OR FACE SHIELD ARE RECOMMENDED.

**Skin:** GLOVES: USE WATER IMPERVIOUS GLOVES, SUCH AS LATEX OR NEOPRENE RUBBER.  
PROTECTIVE CLOTHING (LONG SLEEVES, PANTS), EYEWASH, SAFETY SHOWER ARE ALWAYS ADVISABLE WHEN WORKING WITH CHEMICALS.

**Respiratory:** RESPIRATORY PROTECTION IS NOT EXPECTED TO BE NECESSARY UNDER NORMAL CONDITIONS OF USE.

**Engineering:** VENTILATION:  
IN APPLICATIONS WHERE SPRAYS OR MISTS MAY BE GENERATED, PROPER VENTILATION IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE SHOULD BE PROVIDED.

#### IX. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** WHITE

**Boiling Point:** 190–212° F

**Freezing Point:** 32° F

**pH:** 1.4 – 2.4

**Solubility in Water:** INSOLUBLE

**Specific Gravity:** 1.250

**Vapor Pressure:** 25 MM HG @25°C

**Vapor Density:** >1 (AIR=1)

**Physical State:** SLURRY

**Volatile Content:** % VOC: < 1 (EXCLUDING LVP MATERIAL)

**Other:** EVAPORATION RATE: SAME AS WATER

#### X. STABILITY AND REACTIVITY

**Stability:** THIS PRODUCT IS STABLE AT AMBIENT TEMPERATURES AND ATMOSPHERIC PRESSURES. IT IS NOT SELF-REACTIVE AND HAS A SHELF LIFE OF AT LEAST ONE YEAR UNDER SEALED CONDITIONS. CONDITIONS TO AVOID ARE TEMPERATURES ABOVE 130°F OR BELOW 32°F. DO NOT MIX WITH OTHER CHEMICALS. HAZARDOUS CONDITIONS MAY ARISE FROM IMPROPER MIXING OF CHEMICALS.

**Hazardous Polymerization:** WILL NOT OCCUR

THERMAL DECOMPOSITION MAY GENERATE TOXIC MATERIALS SUCH AS

**Hazardous Decomposition** OXIDES OF CARBON, NITROGEN, SULFUR.

**Products:**

**Conditions To Avoid:** NONE

**Other:** DANGEROUS REACTIONS: MAY REACT WITH STRONG BASES TO GIVE EXOTHERMIC CONDITIONS.

#### XI. TOXICOLOGICAL INFORMATION

**Acute Toxicology Data:** THIS PRODUCT HAS NOT BEEN EVALUATED FOR ITS ACUTE TOXICOLOGY PROFILE.

**Component Toxicology Information:** THIS PRODUCT HAS NOT BEEN EVALUATED FOR ITS CHRONIC TOXICOLOGY PROFILE.

**Other:** CARCINOGENICITY:  
THIS PRODUCT DOES CONTAIN A LISTED CARCINOGEN FROM NTP, ACGIH OR IARC. HOWEVER, THIS PRODUCT CONTAINS NO RESPIRABLE MATERIAL.  
IRRITATION:  
THIS PRODUCT CAN BE EXPECTED TO BE A SKIN AND EYE IRRITANT. NO SKIN SENSITIZATION DATA IS CURRENTLY AVAILABLE.

#### XII. ECOLOGICAL INFORMATION

#### XIII. DISPOSAL CONSIDERATIONS

**Disposal Method:** MATERIAL THAT CANNOT BE USED ACCORDING TO LABEL DIRECTION AND IS DESTINED FOR DISPOSAL SHOULD BE DISPOSED OF IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS. EMPTY CONTAINERS SHOULD BE TRIPLE RINSED AND OFFERED FOR RECYCLING OR RECONDITIONING, OR DISPOSED OF IN A SANITARY LANDFILL OR FOR SMALL CONTAINERS (1 GALLON OR LESS), MAY BE WRAPPED AND DISCARDED IN TRASH. WASTE GENERATORS ARE REQUIRED TO EVALUATE ALL WASTE MATERIAL TO DETERMINE IF IT IS HAZARDOUS BY CHARACTERISTICS OR LISTING FOR COMPLIANCE WITH RCRA AND ANY LOCAL DISPOSAL PROCEDURES AND REGULATIONS.

**RCRA Class:** D001, D002

**Other:** NOTE: STATE AND LOCAL REGULATIONS MAY BE MORE STRINGENT THAN FEDERAL REGULATIONS.

#### XIV. TRANSPORT INFORMATION

**D.O.T. Shipping Name:** NOT REGULATED

**D.O.T. Hazard Class:** N/A

**Other:** DOT:  
THIS PRODUCT IS NOT REGULATED FOR TRANSPORTATION PURPOSES BY THE DOT, IATA, ICAO OR IMDG AS A HAZARDOUS MATERIAL.

#### XV. REGULATORY INFORMATION

**TSCA Status:** ALL OF THE COMPONENTS INTENTIONALLY ADDED TO THIS PRODUCT ARE LISTED ON THE ON THE U.S. EPA TSCA INVENTORY.

**EPA Sara Title III Chemical Listings:** SECTION 302:  
THIS PRODUCT CONTAINS THE FOLLOWING CHEMICALS SUBJECT TO SARA 302 REPORTING: NONE  
SECTION 311/312:  
THIS PRODUCT IS CLASSIFIED AS AN IMMEDIATE (ACUTE) HEALTH HAZARD  
SECTION 313:  
\*CHEMICALS MARKED WITH AN ASTERISK IN SECTION TWO ARE SUBJECT TO THE REPORTING REQUIREMENTS FOR SECTION 313 OF TITLE III OF THE

SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT (SARA) OF 1986 AND 40CFR PART 372. HOWEVER, IF THIS PRODUCT IS UTILIZED FOR ROUTINE JANITORIAL MAINTENANCE, IT IS EXEMPTED FROM THIS SECTION, AS STATED IN PARAGRAPH B.3.B ACTIVITY EXEMPTIONS OF THE FORM R INSTRUCTIONS.

**California:**

CALIFORNIA PROPOSITION 65  
COMPONENTS OF THIS PRODUCT PRESENT AT A CONCENTRATION THAT  
COULD REQUIRE REPORTING UNDER THIS STATUTE ARE:  
NONE

**Massachusetts:**

SEE SECTION TWO COMPOSITION FOR LISTING OF HAZARDOUS AND TOP  
FIVE INGREDIENTS PRESENT IN CONCENTRATION GREATER THAN 1%

**New Jersey:**

SEE SECTION TWO COMPOSITION FOR LISTING OF HAZARDOUS AND TOP  
FIVE INGREDIENTS PRESENT IN CONCENTRATION GREATER THAN 1%

**Pennsylvania:**

SEE SECTION TWO COMPOSITION FOR LISTING OF HAZARDOUS AND TOP  
FIVE INGREDIENTS PRESENT IN CONCENTRATION GREATER THAN 1%

**Other:**

CANADA DOMESTIC SUBSTANCE LIST:  
ALL OF THE INGREDIENTS INTENTIONALLY ADDED TO THIS PRODUCT ARE  
LISTED ON THE DSL.  
CANADA WHMIS  
CLASS D DIVISION 2B

**XVI. OTHER INFORMATION**

**WARRANTY INFORMATION**

THIS INFORMATION IS OFFERED IN GOOD FAITH AS TYPICAL VALUES AND NOT AS A PRODUCT SPECIFICATION.  
NO WARRANTY, EXPRESSED OR IMPLIED, IS HEREBY MADE. THE RECOMMENDED INDUSTRIAL HYGIENE AND  
SAFE HANDLING PROCEDURES ARE BELIEVED TO BE GENERALLY APPLICABLE. HOWEVER, EACH USER SHOULD  
REVIEW THESE RECOMMENDATIONS IN THE SPECIFIC CONTEXT OF THE INTENDED USE AND DETERMINE  
WHETHER  
THEY ARE APPROPRIATE.