

**SPARTAN CHEMICAL COMPANY, INC.
WHMIS MATERIAL SAFETY DATA SHEET**

SECTION I: PRODUCT INFORMATION

**PRODUCT IDENTIFIER
CONSUME BIO-BOWL**

PRODUCT USE: Citric Acid Toilet, Urinal and Shower Room Cleaner

MANUFACTURER'S NAME & ADDRESS
Spartan Chemical Company, Inc.
1110 Spartan Drive, Maumee, OH 43537 USA

MEDICAL EMERGENCY TELEPHONE
888/314-6171 (24 Hours)
PRODUCT INFORMATION
800/537-8990

SECTION II: HAZARDOUS INGREDIENTS

CAS REGISTRY NO.	% W	CHEMICAL NAME(S)	TLV			LD50	LC50
			TWA mg/m ³	STEL mg/m ³	Ceiling mg/m ³		
77-92-9	5-10	Citric Acid	---	Not Established	---	Not available	Not available
6843-46-3	1-5	Alcohol ethoxylate	---	Not Established	---	Not available	Not available
NA	< 1.0	Bacterial spores (Bacillus species)	---	Not Established	---	Not available	Not available

SECTION III: PHYSICAL DATA

BOILING POINT 100 °C (212°F)	SPECIFIC GRAVITY (H₂O = 1) 1.03	PERCENT SOLID BY WEIGHT 5-10
VAPOUR PRESSURE Not established	EVAPORATION RATE (butyl acetate = 1) < 1	FREEZING POINT Not available
VAPOUR DENSITY (AIR = 1) Not established	SOLUBILITY IN WATER Complete	ODOUR THRESHOLD Not available
pH 1.5-2.5	APPEARANCE AND ODOUR Blue liquid, pleasant odor	PHYSICAL STATE GAS__ LIQUID <u>X</u> SOLID_____
COEFFICIENT OF WATER/OIL DISTRIBUTION Not available		

SECTION IV: FIRE & EXPLOSION DATA

FLASH POINT >100 °C (212°F)	METHOD USED ASTM - D56	FLAMMABLE LIMITS Not established
EXTINGUISHING MEDIA Water, CO ₂ or dry chemical	CONDITIONS OF FLAMMABILITY Not applicable	AUTO-IGNITION TEMPERATURE Not applicable
HAZARDOUS COMBUSTION PRODUCTS Not established		EXPLOSION DATA Not applicable
SPECIAL FIRE FIGHTING PROCEDURES Use self-contained breathing apparatus for maximum respiratory protection. Water may be used to cool containers if not ruptured or leaking.		
UNUSUAL FIRE AND EXPLOSION HAZARDS None known		

SECTION V: REACTIVITY DATA

STABILITY: STABLE X **CONDITIONS OF INSTABILITY** **CONDITIONS OF REACTIVITY**
Not established Not established

INCOMPATIBILITY (MATERIALS TO AVOID) Strong oxidizers

HAZARDOUS DECOMPOSITION PRODUCTS Carbon dioxide, carbon monoxide

SECTION VI: TOXICOLOGICAL PROPERTIES

PRIMARY ROUTES OF ENTRY: Eye Contact, Skin Contact, Ingestion, Inhalation

EXPOSURE LIMIT: Not established for mixture.

EFFECTS OF ACUTE EXPOSURE:

EYE CONTACT Causes eye irritation with symptoms of pain, redness, swelling and tearing.

SKIN CONTACT Causes skin irritation with symptoms of pain, redness and swelling.

INGESTION Harmful if swallowed. Symptoms may include pain, nausea, vomiting and diarrhea.

INHALATION Breathing product mist may cause respiratory irritation. Symptoms may include coughing and difficulty breathing. This product contains living bacterial spores. The bacteria in this product may cause infection if introduced into an open wound, broken skin or mucous membrane in sufficient quantity. May affect people with asthma.

SECTION VII: PREVENTIVE MEASURE

PERSONAL PROTECTIVE EQUIPMENT / ENGINEERING CONTROLS

Wear rubber gloves and splash goggles. Provide good general ventilation. Local exhaust ventilation may be necessary for some operations. If respiratory irritation occurs, use of a NIOSH approved respirator suitable for the conditions of use and chemicals in Section II should be considered.

LEAK AND SPILL PROCEDURE Small quantities may be flushed into sanitary sewer. Larger quantities should be picked up with inert absorbent material and disposed on in accordance with applicable regulations.

WASTE DISPOSAL METHOD Assure conformance with applicable regulations..

HANDLING PROCEDURES Do not get in eyes, on skin or on clothing. Do not swallow. Avoid breathing product mist. Avoid contact with open wounds, broken skin or mucous membranes. Wash thoroughly with soap and water after handling. Do not use this product on human hand contact surfaces such as countertops, toilet seats or bathroom fixtures (Faucets, flush handles, doorknobs, etc.).

STORAGE REQUIREMENTS Keep container closed when not in use. Do not freeze. Do not store above 49°C (120°F). Keep out of reach of children.

SPECIAL SHIPPING INFORMATION Not regulated. Shipping Description: Non Hazardous Products

SECTION VIII: FIRST AID MEASURES

EYES: Flush eyes with water for at least 15 minutes. Remove contact lenses. Get medical attention.

SKIN: Remove contaminated clothing. Flush skin with plenty of water for at least 15 minutes. Apply a topical antiseptic agent to open wounds or broken skin. Get medical attention if irritation persists. Wash contaminated clothing before reuse.

INGESTION: Do not induce vomiting. Drink one or two glasses of water to dilute product. Get medical attention. Do not give anything by mouth to an unconscious person.

INHALATION: In case of respiratory irritation, move person to fresh air. Get medical attention if irritation persists.

SECTION IX: PREPARATION INFORMATION

CONSUME BIO-BOWL

DATE OF PREPARATION: June 1, 2015

SUPERCEDES: June 8, 2012

PREPARED BY Ronald T. Cook / Manager, Regulatory Affairs / Spartan Chemical Company, Inc.

TELEPHONE NUMBER 800/537-8990