



**Spartan Chemical Company, Inc.**  
**Material Safety Data Sheet**

**SECTION I: PRODUCT INFORMATION**

Product Name or Number (as it appears on label):  
**BIO-TRANSPORT 1/ CONSUME ECO-LYZER**  
Product Number: 4597

Product Division:  
**Janitorial**

CK 2080  
204517

**Spartan Chemical Company, Inc.**  
**1110 Spartan Drive**  
**Maumee OH 43537**

Product/Technical Information: **1-(800)-537-8990**  
Medical Emergency: **1-(888)-314-6171 (24 hours)**  
Chemical Leak/Spill Emergency: **CHEMTREC 1-(800) 424-9300 (24 hours)**

Shipping Description: Cleaning compounds, liquid, n.o.s.

<b>NFPA Ratings:</b>	<b>HMIS Ratings:</b>
<b>Health:</b> 3 - Serious <b>Fire:</b> 0 - Minimal <b>Reactivity:</b> 0 - Minimal	<b>Health:</b> 3 - Serious <b>Fire:</b> 0 - Minimal <b>Reactivity:</b> 0 - Minimal <b>Pers. Prot. Equip.:</b> See Section VIII

**SECTION II: HAZARDOUS INGREDIENTS**

(Listed when present at 1% or greater, carcinogens at 0.1% or greater) All component chemicals are listed or exempted from listing on the "TSCA Inventory" of chemical substances maintained by the U.S. Environmental Protection Agency.

Chemical Name(s)	%Wt	CAS Registry No.	Table Z-1-A			NTP, IARC or OSHA Carcinogen
			TWA mg/m <sup>3</sup>	STEL mg/m <sup>3</sup>	CEILING mg/m <sup>3</sup>	
Dialkyl dimethyl ammonium chloride	1-5	68424-95-3	Not Established	Not Established	Not Established	No
Alkyl dimethyl benzyl ammonium chloride	1-5	68424-85-1	Not Established	Not Established	Not Established	No
Alcohol ethoxylate	1-5	34398-01-1	Not Established	Not Established	Not Established	No
Ethyl alcohol	1-5	64-17-5	1900 (ACGIH)	Not Established	Not Established	No
Viable bacterial cultures	NA	NA	Not Established	Not Established	Not Established	No

**SECTION III: PHYSICAL DATA**

Boiling Point: 212 °F	Vapor Pressure: Undetermined
Vapor Density (AIR = 1): Unknown	Solubility in Water: Complete
pH: 6-7	Specific Gravity (H <sub>2</sub> O=1): 0.99 (8.27 lbs/gal.)
Evaporation Rate (but.ace.=1): <1	Percent Solid by Weight: 5-10
Physical State: Liquid	
Appearance & Odor: Teal Color, Floral-Powder Fragrance	

**SECTION IV: FIRE & EXPLOSIVE HAZARD DATA**

Flash Point: >212 °F	Method Used: ASTM-D56
Flammable Limits: Not Established	Flame Extension: N/A
Extinguishing Media: Product does not support combustion. Use extinguishing media appropriate for surrounding fire.	
Special Fire Fighting Procedures: Wear NIOSH approved self-contained breathing apparatus and protective clothing. Cool fire-exposed containers with water spray.	
Unusual Fire & Explosive Hazards: Combustion products are toxic.	

**SECTION V: HEALTH HAZARD DATA**

Threshold Limit Value:	Not established	Primary Routes of Entry:	Inhalation, Skin Contact, Eyes; Oral
Effects of Overexposure- Conditions to Avoid:	<b>CORROSIVE.</b> <b>CAUSES IRREVERSIBLE EYE DAMAGE AND SKIN BURNS:</b> Symptoms may include pain, redness, swelling and tissue damage. Harmful if absorbed through the skin. <b>MAY BE HARMFUL IF SWALLOWED.</b> Symptoms may include nausea, vomiting, pain and diarrhea. <b>MAY BE FATAL OR CAUSE RESPIRATORY IRRITATION IF INHALED.</b> Breathing spray mist may cause coughing and difficulty breathing. <b>Do not get in eyes, skin or clothing. Do not taste or swallow. Do not breathe product vapor or mist. The bacterial cultures in this product may cause infection if they come in contact with open wounds; broken skin or mucous membranes. Wash thoroughly with soap and water after handling.</b>		
Conditions Aggravated by Use:	Use of this product may aggravate preexisting skin; eye and respiratory disorders including asthma and dermatitis. Individuals with impaired immune systems or function may be especially susceptible to infection by microorganisms including the bacteria used in this product.		

**Emergency & First Aid Procedures:**

Eyes:	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses if present after the first five minutes; then continue rinsing eye. Call a poison control center or doctor for treatment advice.
Skin:	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice. Apply topical antiseptic agent to open wounds or broken skin. Wash contaminated clothing before reuse.
Ingestion:	Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
Inhalation:	Move person to fresh air. If person is not breathing; call 911 or an ambulance then give artificial respiration; preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage.

**SECTION VI: REACTIVITY DATA**

Stability:	Stable	Incompatible Materials:	Strong oxidizers
Hazardous Decomposition Products:	Carbon monoxide, Carbon dioxide	Hazardous Polymerization:	Will Not Occur

**SECTION VII: SPILL OR LEAK PROCEDURES**

Steps to be Taken in Case Material is Released or Spilled:	Small spills of one gallon or less may be flushed with plenty of water to sanitary sewer system (If permitted by local sewer regulations). Dike and contain large spills with inert material and transfer liquid to containers for recovery or disposal.
Waste Disposal Method:	Same as above. Container disposal: Triple rinse (or equivalent) then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incinerate, or if allowed by state and local authorities, burn. If burned, stay out of smoke.

**SECTION VIII: SPECIAL PROTECTION INFORMATION**

Respiratory Protection:	Not normally required when good general ventilation is provided. However, if respiratory irritation occurs, use of a NIOSH approved respirator suitable for the use-conditions and chemicals in Section II should be considered.
Ventilation:	Provide good general ventilation. Local exhaust ventilation may be necessary for some operations.
Protective Gloves(Specify Type):	Rubber or other water-proof gloves are recommended.
Eye Protection(Specify Type):	Splash goggles are recommended to prevent eye contact.
Other Protective Equipment:	Eye wash stations and washing facilities should be readily accessible in areas where undiluted product is handled.. See 29 CFR 1910.132-138 for further guidance.

**SECTION IX: SPECIAL PRECAUTIONS**

Precautions; Handling & Storing:	Keep from freezing. Wash thoroughly with soap and water after handling. Note: Do not use this product on food contact surfaces in preparation or storage areas. Do not use this product on food utensils; dishes or glasses. Do not use this product in patient healthcare areas.
Other Precautions:	Keep out of reach of children.

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**BIO-TRANSPORT 1/ CONSUME  
ECO-LYZER**

Ref: 29 CFR 1910.1200 (OSHA)

Name: Ronald T. Cook  
Effective Date: 06/30/2005

Changes: Update Section IX

Title: Manager, Regulatory Affairs  
Supersedes: 12/03/2003

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