



Spartan Chemical Company, Inc.

Material Safety Data Sheet

SECTION I: PRODUCT INFORMATION

Product Name or Number (as it appears on label):
BIO-TRANSPORT 2/CONSUME MICRO-MUSCLE
Product Number: 4534

Product Division:
Janitorial

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/Spil Emergency: **CHEMTREC 1-(800) 424-9300 (24 hours)**

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

NFPA Ratings:	HMIS Ratings:
Health: 1- Slight Fire: 0 - Minimal Reactivity: 0 - Minimal	Health: 1- Slight Fire: 0 - Minimal Reactivity: 0 - Minimal Pers. Prot. Equip.: 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 ₃ mg/m ³	STEL ₃ mg/m ³	CEILING ₃ mg/m ³	
Sodium tripolyphosphate	1-5	7758-29-4	Not Established	Not Established	Not Established	No
Quaternary amine	1-5	68478-94-4	Not Established	Not Established	Not Established	No
Alcohol ethoxylate	1-5	34398-01-1	Not Established	Not Established	Not Established	No
Bacterial spores (Bacillus species)	NA	NA	Not Established	Not Established	Not Established	No

SECTION III: PHYSICAL DATA

Boiling Point: 212 °F	Vapor Pressure: Unknown
Vapor Density (AIR = 1): Unknown	Solubility in Water: Complete
pH: 8.5-9.5	Specific Gravity (H ₂ O=1): 1.02 @ 75 F (8.49 lbs/gal.)
Evaporation Rate (but.ace.=1): <1	Percent Solid by Weight: 5-10 %
Physical State: Liquid	
Appearance & Odor: Light green liquid, mild odor.	

SECTION IV: FIRE & EXPLOSIVE HAZARD DATA

Flash Point: >200 °F	Method Used: Estimate
Flammable Limits: Not Established	Flame Extension: N/A
Extinguishing Media: Carbon dioxide, dry chemical, synthetic foam or water.	
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 & Explosive Hazards: NA	

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:	Causes eye and skin irritation. Harmful if swallowed. May cause respiratory tract irritation. May cause infection. 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. 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.		
Conditions Aggravated by Use:	Preexisting skin; eye and respiratory conditions. May affect people with asthma. 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:	Flush eyes with water for at least 15 minutes. Remove contact lenses. Get medical attention.		
Skin:	Remove contaminated clothing. Wash skin thoroughly with soap and water. Apply 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 unless advised by physician or poison control center. Drink one or two glasses of water to dilute product. Get medical attention. Never give anything by mouth to an unconscious person.		
Inhalation:	Move person to fresh air. Get medial attention if irritation persists.		

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 quantities may be flushed into sanitary sewer. Larger quantities should be picked up with absorbent material and disposed of in accordance with state and local regulations.
Waste Disposal Method:	Same as above.

SECTION VIII: SPECIAL PROTECTION INFORMATION

Respiratory Protection:	Not normally required. However if irritation occurs; a fully functioning NIOSH approved air purifying respirator should be worn.
Ventilation:	Good general ventilation should be sufficient for most conditions. Local exhaust ventilation may be necessary for some operations.
Protective Gloves(Specify Type):	Rubber or other waterproof gloves
Eye Protection(Specify Type):	Splash Goggles
Other Protective Equipment:	See 29 CFR 1910.132-138.

SECTION IX: SPECIAL PRECAUTIONS

Precautions; Handling & Storing:	Wash thoroughly with soap and water after handling. Keep out of reach of children.
Other Precautions:	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. It is recommended that medical authorities be consulted before applying this product in areas used by individuals with impaired immune systems. California Proposition 65: WARNING: This product contains the following chemical known to the State of California to cause cancer; birth defects or other reproductive harm: Ethylene oxide; CAS No. 75-21-8

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**BIO-TRANSPORT 2/CONSUME
MICRO-MUSCLE**

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Ref: 29 CFR 1910.1200 (OSHA)

Changes: New Product

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