



Spartan Chemical Company, Inc.

Material Safety Data Sheet

SECTION I: PRODUCT INFORMATION

Product Name or Number (as it appears on label):
CLOTHESLINE FRESH ENZYME SPOTTER [S4]
Product Number: 7054; 7064

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

Shipping Description: Non-Hazardous Products

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 mg/m ³	STEL mg/m ³	CEILING mg/m ³	
Alcohol ethoxylate	1-5	68439-46-3	Not Established	Not Established	Not Established	No
Protease	< 1.0	9014-01-1	Not Established	Not Established	0.00006 ACGIH	No
Alpha-amylase	< 1.0	9000-90-2	Not Established	Not Established	Not Established	No
Mannanase	< 1.0	37288-54-3	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: 7.5-8.5	Specific Gravity (H ₂ O=1): 1.003 @ 75 F
Evaporation Rate (but.ace.=1): <1	Percent Solid by Weight: 1-5 %
Physical State: Liquid	
Appearance & Odor: Clear liquid, pleasant odor	

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:	Causes mild eye irritation : Symptoms may include pain, redness, swelling and tearing. May cause skin irritation : Symptoms may include pain, redness and swelling. May be harmful if swallowed : Symptoms may include abdominal pain, nausea and diarrhea. Inhalation of product mist may cause respiratory irritation: Symptoms may include nasal discomfort and coughing. Contains enzymes which may cause allergic respiratory reactions with symptoms of shortness of breath, wheezing and coughing . Avoid contact with eyes , skin or clothing that is being worn . Do not swallow . Avoid breathing product mist. Wash thoroughly after handling .		
Conditions Aggravated by Use:	Use of this product may aggravate preexisting skin, eye and respiratory disorders including asthma and dermatitis.		
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. 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:	Move person to fresh air. Get medial attention If irritation persists		

SECTION VI: REACTIVITY DATA

Stability:	Stable	Incompatible Materials:	Strong oxidizers
Hazardous Decomposition Products:	Oxygen, 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 disposal. Keep spill out of storm sewers and waterways.
Waste Disposal Method:	Dispose of in compliance with all federal state and local laws and regulations.

SECTION VIII: SPECIAL PROTECTION INFORMATION

Respiratory Protection:	Not required with expected use.
Ventilation:	Provide good general ventilation. Local exhaust ventilation may be necessary for some operations.
Protective Gloves(Specify Type):	None required with expected use. Wear rubber or other impervious gloves if desired.
Eye Protection(Specify Type):	None required with expected use. Wear splash goggles if desired.
Other Protective Equipment:	For further guidance see 29 CFR 1910.132-138.

SECTION IX: SPECIAL PRECAUTIONS

Precautions; Handling & Storing:	Keep out of reach of children.
Other Precautions:	Do not mix with other chemicals.

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SPOTTER [S4]

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Ref: 29 CFR 1910.1200 (OSHA)

Changes: General review

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