

# MATERIAL SAFETY DATA SHEET

Product Name (As used on label & list): ENZ-SOIL ONE		Description: Powder alkaline cleaner containing enzymes	
HMIS RATING		HAZARD RATINGS	
Health: 2	Flammability: 0	Reactivity: 0	Pers. Prot.: B
		0 = Insignificant 1 = Slight 2 = Moderate 3 = High 4 = Extreme	
SECTION I			
Manufacturer's Name: CFR, A Tacony Company		Emergency Telephone Number: 1-800-424-9300	
Address (number, street, city, state, zip code): 3101 Wichita Court Fort Worth TX 76140-1710		Telephone Number for information: 800-880-2913 or Website www.cfrcorp.com	
		DATE	September 23, 2002
		PREPARED:	
SECTION II			
Hazardous Ingredients - Identity Information			
The criteria for listing components in this section is as follows: Carcinogens are listed if components which are otherwise hazardous according to OSHA are listed when present at 1.0% or more. All other components are not listed. This is not a complete composition disclosure.			
Hazardous Components (specific chemical identity - CAS common name)	CAS NUMBER	OSHA PEL	ACGIH TLV % (optional)
Alkoxylated Linear Alcohols	52232-09-4	N/A	N/A < 5 %
	37311-02-7		
	37251-67-5		
Alkyl Diphenyloxide Disulfonate	28519-02-0	N/A	N/A < 5 %
	25167-32-2		
Enz-Soil One contains alpha amylase and protease enzymes not considered hazardous per 29 CFR 1910.106			
SECTION III			
Physical/Chemical characteristics			
Boiling Point: N/A	Vapor Pressure (mm Hg.): N/A	Vapor Density (AIR =1): N/A	
Melting Point: N/A	Specific Gravity (H2O): 0.805/0.810	Evaporation Rate (butyl Acetate=1): N/A	
Solubility in Water: Soluble, or dispersible to at least 5%			
Appearance & Odor: Slightly off-white, non-dusting powder; organic fragrance.			
SECTION IV			
Fire and Explosion Hazard Data			
Flash Point (Method used): N/A	Flammable Limits:		
LEL:	UEL:		
Extinguishing Media: System does not burn; none needed.			
Special Fire Fighting Procedures: No special equipment, or procedures required.			
Unusual Fire and Explosion Hazards: None known; however, carbonates can give up CO <sub>2</sub> gas at high temperature. residue will be alkaline.			
SECTION V			
Reactivity Data			
Stability:	Unstable/Stable: Stable		
Conditions to Avoid: Wet conditions. Keep away from acids and water while stored.			
Incompatibility (Materials to avoid): Materials do not mix with acids.			
Hazardous Decomposition or By-product: Small amounts of SO <sub>2</sub> possible, CO <sub>2</sub> gas, H <sub>2</sub> O vapor			
Hazardous Polymerization:	May Occur:	Will not occur:	XXXX

ENZ-SOIL ONE Continued.....			
SECTION VI Health Hazard Data			
Route(s) of Entry:	Inhalation: No	Skin?: Yes	Ingestion Yes?: Eyes? Yes:
Health Hazards (Acute and Chronic): Skin and eye irritation; harmful if swallowed.			
Carcinogenict No Y:	NTP? No	LARC Monographs?: No	OSHA Regulated?: N/A
Signs and Symptoms of Exposure: Can cause severe eye irritation - burning and reddening of eyes. May cause skin irritation continued exposure. Swallowing causes mucous membrane irritation, upset stomach.			
Medical Condition Generally Aggravated by Exposure: Skin and eyes that are irritated will be further irritated.			
Emergency and First Aid Procedures: If eye or skin contact occurs flush with cool running water for 15 minutes. If irritation swallowed, drink two (2) glasses of water. Do NOT induce vomiting. Get medical attention mists of aqueous solutions of this product. Move to fresh air if effects occur and get			
SECTION VII Precautions for Safe Handling and Use			
Steps to be taken in case material is released or spilled: Pick up with a still broom and a shovel. Wash down affected area, avoid making an aerosol water and dispose of it and powder in a lawful manner.			
Waste Disposal Method: No special disposal method required. Dispose of in manner consistent with applicable laws			
Precautions to Be Taken in Handling and Storing: Keep containers tightly sealed. Store in cool, dry area. Wash hands after using. Keep			
Other Precautions: Use in accordance with label directions.			
SECTION VIII Control Measures			
Respiratory Protection (Specify Type): None normally required. If mist or aerosol develops during or air purifier.			
Ventilation:	Local Exhaust:	General Exhaust:	Special None:
Mechanical (General):	General	Other:	
Protective Gloves:	Rubber or neoprene	Eye Protection:	Chemical goggles
Other Protective Clothing or Equipment: None generally needed. Keep product off body and clothing.			
Work/Hygienic Practices: Employ normal good use practices for handling cleaning materials. Read labels.			