

LIBERTY BIOLOGICAL DIGESTANT/DEODORANT EXTRA

Material Safety Data Sheet

N/A = Not Applicable

(prepared according to 29 CFR 1910.1200)

Prepared 2/13/02

SECTION 1 - PRODUCT IDENTIFICATION

Product Number: **L-660**

Manufacturer: Liberty Enterprises
 P O Box 639
 Amsterdam, NY 12010
 (518) 842 5080

HAZARD RATING	
Health	0
Flammability	0
Reactivity	0

SECTION 2 - INGREDIENTS

CHEMICAL NAME	CAS NO.	WT %	PEL	TWA-TLV	STEL-TLV	CARCINOGEN
water	7732-18-5	>90.0	N/A	N/A	N/A	No
ethoxylated nonylphenol	68412-54-4	2.00-3.3	N/A	N/A	N/A	No
chelating agent	64-02-8	0.16-0.3	N/A	N/A	N/A	No
opacifier	35209-54-2	0.16-0.3	N/A	N/A	N/A	No
fragrance (trade secret reg. 33373300001-2844-1612-0018465P)		0.16-0.5	N/A	N/A	N/A	No
viable bacteria cultures - 200 billion/gallon Bacillus licheniformis, Bacillus Polymyxa Bacillus subtilis			N/A	N/A	N/A	No

SECTION 3 - PHYSICAL DATA

Boiling Point	near 100°C	Specific Gravity	near 1
Vapor Pressure	near 18mm Hg	Vapor Density	> air
% Volatile	> 90	pH	6.8-8.8
Water Solubility	99.9%	Evaporation Rate	near water
Appearance:	white to off white opaque, thin liquid with characteristic pleasant odor		

SECTION 4 - FIRE & EXPLOSION DATA

Flash Point	none	Explosive Limits
Extinguisher	N/A	Upper: N/A
Special Procedures	N/A	Lower: N/A
Unusual Fire & Explosion Hazards	N/A	

SECTION 5 - REACTIVITY DATA

Stability: stable	Hazardous Polymerization will not occur
Incompatibility (materials to avoid):	none known
Hazardous Decomposition Products:	none known

SECTION 6 - STORAGE & HANDLING

Precautions to be Taken During Storage & Use:
 Store between 40°F and 100°F. Keep container tightly closed when not in use

SECTION 7 - HEALTH HAZARDS & FIRST AID

Effects of Overexposure: red, itching skin

Primary Route of Entry:

Skin: may irritate skin in sensitive individuals
Eyes: may irritate eyes, if contact occurs
Inhalation: N/A

Ingestion: may cause diarrhea

First Aid Procedures:

Skin: wash with soap and water. Consult physician if irritation persists.
Eyes: flush with water for 15 minutes. Consult physician.
Ingestion: Do not induce vomiting. Drink large quantities of water. Call physician.

SECTION 8 - SPECIAL PROTECTION INFORMATION

Respiratory Protection: avoid breathing mist	Ventilation: required for heavy misting
Protective Gloves: recommended	Eye Protection: if splashing is likely to occur
Other Requirements: wash contaminated clothing thoroughly before wearing. Wash hands with soap and water after use. Spills result in extremely slippery conditions.	

SECTION 9 - SPILL OR LEAK PROCEDURES

Steps to be Taken if Material is Released or Spilled: flush down sanitary sewer for small amounts
Waste Disposal Methods: large amounts must be contained and disposed according to local, state and federal regulations