



## MATERIAL SAFETY DATA SHEET: BIO TUFF

### I. PRODUCT & COMPANY INFORMATION

Version 2

Issue Date: November 07

PRODUCT NAME: BIO TUFF: HIGH PERFORMANCE / MULTI-PURPOSE CLEANER / DEGREASER

COMPANY NAME: GREEN MOUNTAIN CORPORATION  
19501 S. Santa Fe Ave.  
Rancho Dominguez, CA 90221  
Phone: 310-356-2565 • 800-659-5823  
Fax: 310-356-2560  
Website: www.greenmtncorp.com

For 24-hour emergency call 911

USE OF PRODUCT: A multi-purpose cleaner / degreasing formula used as concentrate or diluted with water for spray, brush or dip applications.

### II. INGREDIENT INFORMATION

NO HAZARDOUS COMPONENTS OF THIS PRODUCT EXIST AS COMBINED IN THIS MIXTURE. ACCORDING TO CHEMICAL ANALYSIS, BIO TUFF CONTAINS NO KNOWN EPA PRIORITY POLLUTANTS, HEAVY METALS OR CHEMICALS. THIS PRODUCT'S FORMULATION IS CONSIDERED A MANUFACTURER'S TRADE SECRET IN ACCORDANCE WITH THE REQUIREMENTS OF NAVY INSTRUCTION #5720.42D ON DECEMBER 4, 1987. PLEASE LABEL MSDS AS SUCH.

### III. HAZARDS IDENTIFICATION

UN Number: Not required  
Dangerous Good Class: Non-hazardous

Hazard Rating (NFPA/HMIS)		Rating Scale	
Health = 1*	Reactivity = 1**	0 = minimal	1 = slight
Fire = 0	Special = 0	2 = moderate	3 = serious
		4 = severe	

\* mild eye irritant, may dry skin, non-carcinogenic and non-mutagenic

\*\* avoid strong oxidizing agents

### IV. FIRST AID

EYES: Flush with plenty of water for at least 5-10 minutes while holding eyelids open. Slight reddening may occur. Seek medical advice if condition persists.

SKIN CONTACT: Can dry out skin after prolonged contact. Wash with water. Seek medical advice if condition persists.

INHALATION: Non-toxic. If possible use product in ventilated area. If not, remove to open air periodically to avoid mild nasal irritation.

INGESTION: Essentially non-toxic. Drink copious amounts of water. Do Not induce vomiting. Seek medical advice if upset stomach persists.



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## V. FIRE FIGHTING / EXPLOSION DATA

BIO TUFF is stable, non-flammable and will not burn.

Flash Point:	Over 334 (PMCC)
Flammability Limits:	N/A
Extinguishing Media:	Water spray, dry chemical or CO <sub>2</sub>
Special Procedures:	None
Unusual Hazards:	None

## VI. ACCIDENTAL RELEASE MEASURES

BIO TUFF is biodegradable. Recover usable material by convenient method; Any residual materials can be removed by mop, wet vacuum or wipe. Any unrecoverable material may be washed down a drain with several pails of water as rinse.

## VII. HANDLING & STORAGE INFORMATION

No special precautions are required for the handling of BIOTUFF. This product requires no special labeling for transportation purposes. BIO TUFF meets all DOT requirements.

## VIII. ENGINEERING CONTROLS, EXPOSURE GUIDELINES

RESPIRATORY PROTECTION:	None necessary. If possible use in ventilated area but not required.
SKIN & EYE PROTECTION:	Splash and spray protection through the use of gloves and goggles. See section IV for details.
WORK & HYGENIC PRACTICES:	Do not breathe spray mist as nasal passages may become irritated. If spilled on clothing, remove and wash.
SPECIAL MEASURES:	none

## IX. PHYSICAL & CHEMICAL PROPERTIES

APPEARANCE & ODOR:	Translucent yellow / green with mild odor
SPECIFIC GRAVITY:	1.062 @ 60° F
pH OF CONCENTRATE:	11.2 - 11.5
EVAPORATION RATE:	N/A
BOILING POINT:	450°+ F
FREEZING POINT:	N/A
MELTING POINT:	N/A
VAPOR PRESSURE:	Under 0.1mm
VAPOR DENSITY:	N/A
VOCs:	expressed per CARB 310 = 3.53 weight percent (55 G drum and above), 1.76 weight percent (5 G pail and below); expressed per SCAQMD = 46g/L (drum & above), 23 g/L (pail and below);
WATER SOLUBILITY:	Completely soluble in water
ASH CONTENT:	N/A
NUTRIENT CONTENT:	N/A
DETECTION:	N/A

## X. STABILITY & REACTIVITY INFORMATION

STABILITY:	BIO TUFF is stable in all conditions
REACTIVITY:	Avoid strong oxidizing agents
POLYMERIZATION:	Will not occur



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## XI. TOXICOLOGICAL INFORMATION

NON-HUMAN TOXICITY: Oral LD<sub>50</sub> (rat): 3100 MG/KG tested as mixture  
Dermal LC<sub>50</sub>(rabbit): 62.30278 mg/l tested as mixture  
CARCINOGENICITY: NTP: no IARC Monographs: no OSHA: no

## XII. ECOLOGICAL INFORMATION

N/A -

## XIII. DISPOSAL CONSIDERATIONS

BIO TUFF is completely water soluble and biodegradable. If disposed by sewer or drain, it will not harm sewage-treatment micro-organisms. Local, state and federal laws apply regarding disposal.

## XIV. TRANSPORT INFORMATION

BIO TUFF has no special transportation requirements.

## XV. REGULATORY INFORMATION

TSCA: All intentional ingredients of this product are listed

## XVI. OTHER INFORMATION

NATIONAL STOCK NUMBER: NSN 6850-01-201-0635 1 QT, 1 GAL, 5 GAL, 55 GAL

CONTAINERS: BIO TUFF residues are removed by rinsing with water. The container is recyclable and can be used for other purposes.

CONTACT POINT: GREEN MOUNTAIN CORPORATION 310-356-2565