

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: ELASTUFF 120B ROLLER GRADE
PRODUCT CODE: EF-120-RG-B

SECTION I - COMPANY IDENTIFICATION

DISTRIBUTED BY: The Rot Doctor
PO BOX 30612
Seattle, WA, 98113
(206)364-2155

FOR CHEMICAL EMERGENCY
Spill, Leak, Fire, Exposure or Accident
CALL INFOTRAC - Day or Night
1-800-535-5053
Outside the United States call Collect
1-352-323-3500

MSDS REVISED: JANUARY 2007

SECTION II - HAZARDOUS INGREDIENTS / SARA III INFORMATION

REPORTABLE COMPONENTS	CAS #	MM HG @ TEMP	Weight %
CASTOR OIL No OEL's established for this chemical.	8001-79-4	N/A N/A	67
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PHTHALATE ACID ESTER Contains: 1,2-Benzenedicarboxylic acid, diheptyl ester, branched and linear CAS # 68515-44-6 1,2-Benzenedicarboxylic acid, dinonyl ester, branched and linear CAS # 68515-45-7 Diundecyl phthalate, branched and linear CAS # 85507-79-5 1,2-Benzenedicarboxylic acid, heptyl nonyl ester, branched and linear CAS # 111381-89-6 1,2-Benzenedicarboxylic acid, heptyl undecyl ester, branched and liner CAS # 111381-90-9 1,2-Benzenedicarboxylic acid, nonyl undecyl ester, branched and linear CAS # 111381-91-0 No OEL's established for any of these chemicals.	Mixture	<0.75 68°F/20°C	14
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2-ETHYL-1,3-HEXANEDIOL No exposure limits established for this material.	94-96-2	<1 167°F/75°C	10
~			
TITANIUM DIOXIDE Contains: Titanium dioxide, CAS#13463-67-7, ACGIH TLV TWA: 10mg/m3, total dust, OSHA PEL TWA: 15mg/m3, total dust. Aluminum hydroxide, CAS#21645-51-2, no exposure limits established.	13463-67-7	N/A N/A	4
~			
POLYOL No OEL's have been established for this chemical.	Mixture	No Data No Data	2
~			
ZEOLITES OSHA: 15mg/m3 TWA (total dust), 5mg/m3 TWA (resp fraction) (PNOS) ACGIH: 10mg/m3 TWA (inhalable fraction), 3mg/m3 TWA (resp fraction PNOS)	1318-02-1	N/A N/A	2

* Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.
Indicates carcinogenic chemical.

This MSDS may be used for other container sizes of this product. When parts A & B are combined, the hazard warnings for both components are present.

=====**SECTION III - HAZARDS IDENTIFICATION**=====

POTENTIAL HEALTH EFFECTS

EYES: Eye contact with vapor may cause minimal to moderate irritation. Contact with liquid may result in severe irritation. Symptoms include stinging, watering, redness, and swelling.

SKIN: Brief contact may dry the skin. Prolonged or repeated contact may irritate the skin causing dermatitis.

INGESTION: Can result in irritation & corrosive action in the mouth, stomach tissue and digestive tract, resulting in sore throat, abdominal pain, nausea, vomiting and diarrhea. If aspirated into the lungs, chemical pneumonia may result.

INHALATION: Irritation of mucous membranes may occur. Concentrated vapors may cause dizziness, headache and nausea.

=====**SECTION IV - FIRST AID MEASURES**=====

EYES: Immediately flush with copious amounts of water for at least 15 minutes. If redness, itching, or burning sensations persist consult a physician or ophthalmologist immediately.

SKIN: Immediately wash skin with a generous amount of soap and water. Remove contaminated clothing and shoes and wash before reuse. If irritation persists consult a physician.

INGESTION: If person is conscious give two glasses of water (16 oz) but do not induce vomiting. If vomiting occurs spontaneously lower head to avoid aspiration into lungs, give fluids again. Never give anything by mouth to an unconscious or convulsing person. Consult a physician immediately.

INHALATION: Remove from source of exposure and into fresh air. If symptoms persist consult a physician immediately. If not breathing, give artificial respiration and call emergency medical services immediately.

NOTE TO PHYSICIAN: No specific antidote. Supportive care, treatment based on judgment of the physician in response to reactions of the patient.

=====**SECTION V - FIRE FIGHTING MEASURES**=====

FLAMMABLE PROPERTIES:

FLASH POINT: 276°F/136°C

LOWER FLAMMABLE LIMIT: N/A

UPPER FLAMMABLE LIMIT: N/A

AUTO IGNITION TEMPERATURE: NOT AVAILABLE

EXTINGUISHING MEDIA: Foam, CO₂, dry chemical, water fog or spray, as appropriate for surrounding fire.

SPECIAL FIRE FIGHTING PROCEDURES: Do not enter any enclosed or confined fire space without full protective equipment, including self-contained breathing apparatus (pressure-demand MSHA/NIOSH approved or equivalent) to protect against the hazardous effects of combustion products and oxygen deficiency. Use water spray to cool fire exposed structures and to cool fire exposed containers to prevent pressure build-up and possible rupture of container.

===== SECTION VI - ACCIDENTAL RELEASE MEASURES =====

SMALL SPILL: Always wear appropriate Personal Protective Equipment as you would if you were using this product. Dike and absorb with inert material such as sand and remove all liquid with the use of a vacuum system. If unable to remove as a liquid, then absorb with sand, saw dust or commercial absorbent, and scoop up and place in containers for proper disposal. Keep spills and cleaning runoff out of the municipal sewers and open bodies of water. Decontaminate all clothing and the spill area with a detergent and large amounts of water.

LARGE SPILL: Use same procedure as small spill.

===== SECTION VII - HANDLING AND STORAGE =====

HANDLING & STORAGE: Use with adequate ventilation. Provide ventilation during use to control exposure within Section 8 guidelines. If TLV's are exceeded, use appropriate respiratory protection. Avoid eye contact. Avoid skin contact. Do not breath vapor. Keep container closed. Do no take internally.

OTHER PRECAUTIONS: Containers, even those that have been emptied, will retain product residue & vapors. Always obey hazard warnings and handle empty containers as if they were full. Do not use pressure to empty container. Ground containers while pouring or transferring liquid and limit free fall to a few inches to prevent static sparks. Do not puncture, cut, grind, weld, braze, solder or drill on or near this container or otherwise expose such container to heat, flame, sparks, static electrical charges, electricity or other sources of ignition. They may explode and/or emit toxic vapors resulting in injury or death. Closed containers may exposed due to pressure build-up if exposed to extreme heat. Do not get in eyes, on skin or on clothing. Avoid prolonged or repeated breathing of vapor or spray mist. Use only in a well ventilated area. Keep out of the reach of children.

===== SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION =====

ENGINEERING CONTROLS: In outside spray, mixing and rolling applications situate workers upwind of operation & provide airflow in a downwind direction so as to carry fumes and residual spray away from workers. Local exhaust ventilation recommended if generating vapor, dust or mist. Turn off heating and/or air conditioning equipment to prevent contaminating building. If exhaust ventilation is not adequate, use MSHA or NIOSH approved respirator. Refer to OSHA standard 29 CFR 1910.94 for guidelines.

RESPIRATORY PROTECTION: Wear a NIOSH approved respirator appropriate for the vapor or mist concentration at the point of use. Appropriate respirators may be a full-face piece or a half mask air-purifying cartridge respirator equipped for organic vapors/mists, a self-contained breathing apparatus in the pressure demand mode, or a supplied-air respirator. Refer to OSHA standard 29 CFR 1910.134 for additional information.

SKIN PROTECTION: Chemical resistant gloves determined to be impervious under the conditions of use.

EYE PROTECTION: Chemical goggles, unless a full-face piece respirator is used. Eye protection worn must be compatible with respiratory protection system employed.

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===== SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES =====

BOILING RANGE: 235°F/278°C - 595°F/313°C

MELTING POINT: N/A

SPECIFIC GRAVITY (H₂O=1): 0.9978

VAPOR DENSITY (AIR=1): Not determined.

VAPOR PRESSURE: Not determined.

EVAPORATION RATE (N-Butyl Acetate=1): Slower than ether

COATING V.O.C.: 0.02 lb/gl

COATING V.O.C.: 2 g/l

MATERIAL V.O.C.: 0.02 lb/gl

MATERIAL V.O.C.: 2 g/l

SOLUBILITY IN WATER: INSOLUBLE.

APPEARANCE: OPAQUE, WHITE, VISCOUS LIQUID

ODOR: AROMATIC ODOR.

P/H: N/A

===== SECTION X - STABILITY AND REACTIVITY DATA =====

STABILITY: Stable

CONDITIONS TO AVOID: Avoid heat, open flames, welding arcs or other ignition sources which include thermal decomposition and/or combustion.
Keep from freezing.

INCOMPATIBLE MATERIALS: Avoid contamination with oxidizing materials and/or water.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may yield carbon monoxide and carbon dioxide. Unidentified organic compounds in fumes and smoke may be formed during combustion.

HAZARDOUS POLYMERIZATION: Not expected to occur.

===== SECTION XI - TOXICOLOGICAL INFORMATION =====

* Data is for individual components of preparation.

MATERIALS HAVING A KNOWN CHRONIC/ACUTE EFFECTS ON EYES: NO DATA

MATERIALS HAVING A KNOWN DERMAL TOXICITY:

2-Ethyl-1, 3-hexanediol (EHDiol)	CAS # 94-96-2
Dermal LD50: 2000mg/kg (rabbit)	
Titanium Dioxide	CAS # 13463-67-7
Dermal LD50 (rabbit) >10 g/kg	
Phthalate acid ester	
LD50: (rabbit) >7.9g/kg	
practically non-toxic	

MATERIALS HAVING A KNOWN ORAL TOXICITY:

CASTOR OIL:
THE ORAL LD50 FOR RATS IS >5,000MG/KG.

2-Ethyl-1,3-hexanediol (EHDiol)	CAS # 94-6-2
Oral LD50: 1400mg/kg (rat)	
LD50: 1900mg/kg (mouse)	
LD50: 2600mg/kg (rabbit)	
TITANIUM DIOXIDE	CAS # 13463-67-7
Oral LD50 (rat) >25 g/kg	
Phthalate acid ester	
Oral LD50: (rat) >6,200 mg/kg	

MATERIALS HAVING A KNOWN INHALATION HAZARD:

TITANIUM DIOXIDE	CAS # 13463-67-7
LC50 (rat) >6.82 mg/l (4 hr)	

IDENTIFIED ACUTE / SHORT-TERM EFFECTS: Irritation eyes, nose, throat; dizziness; dermatitis; chemical pneumonia (aspiration liquid); in animals: kidney damage.

IDENTIFIED CARCINOGENS / LONGTERM EFFECTS: NO DATA

IDENTIFIED TERATOGENS:

2-Ethyl-1,3-hexanediol (EHDiol)	CAS # 94-6-2
has exhibited experimental teratogenic effects in studies conducted with female rats.	

IDENTIFIED REPRODUCTIVE TOXINS:

2-Ethyl-1,3-hexanediol (EHDiol)	CAS # 94-6-2
has exhibited experimental reproductive effects in studies conducted with female rats.	

IDENTIFIED MUTAGENS: NO DATA.

=====**SECTION XII - ECOLOGICAL INFORMATION**=====

ECOTOXICOLOGICAL EFFECTS ON PLANTS AND ANIMALS:

2-Ethyl-1,3-hexanediol (EHDiol) CAS # 94-6-2
Fish: LC0 (Leuciscus idus melanotus): >1000mg/L 48h fish, acute toxicity test, DIN 38421 Teil 15
Bacteria: EC10 (Pseudomonas putida): 1300mg/L 18 Bringmann and Kuehn, Z. Wasser Abwasser
Forsch, 10,87-98 (1997)
Daphnia: EC50 (Daphnia magna): 811mg/L 24hr DIN 38412 Teil 11
Titanium Dioxide CAS # 13463-67-7
96 Hr LC50 (Fathead minnows) >1,000 mg/l

CHEMICAL FATE: Product spills on porous surfaces can contaminate groundwater.
This product is not expected to be biodegradable. Avoid spillage into the environment.

=====**SECTION XIII - DISPOSAL CONSIDERATIONS**=====

INSTRUCTIONS: Dispose of unused product or contaminated product and materials used in cleaning up spills or leaks in a manner approved for this material. Consult appropriate federal, state and local regulatory agencies to ascertain proper disposal procedures. Incineration is acceptable and the preferred method of disposal, however; nitrogen oxide emissions controls may be required to meet specifications. Chemical and biological degradation is possible. Empty containers will retain product residue and vapors and are subject to proper waste disposal, as above.

=====**SECTION XIV - TRANSPORT INFORMATION**=====

SHIPPING INFORMATION:

DOT INFORMATION - 49 CFR 172.101
DOT DESCRIPTION: NOT REGULATED

=====**SECTION XV - REGULATORY INFORMATION**=====

(Not meant to be all inclusive - selected regulations represented)

U.S. REGULATIONS:

STATUS OF SUBSTANCE LISTS: The concentrations shown in section ii are maximum ceiling levels (weight %) to be used for calculations for regulations. A reportable quantity is a quantity of a hazardous substance that triggers reporting requirements under the Comprehensive Environmental Response Compensation And Liability Act (CERCLA).

If a spill of a substance exceeds its reportable quantity (RQ) in CFR 302.3, Table 40 302.4 Appendix A & 302.4 Appendix B, the release must be reported to The National Response Center At (800)424-8802, The State Emergency Response Commission (SERC), And community emergency coordinators likely to be affected.

Components present that could require reporting under the statute are:
NONE KNOWN

Superfund Amendments And Reauthorization Act Of 1986 (SARA) Title III Requires emergency planning based on the Threshold Quantities (TPQ'S) and release reporting based on Reportable Quantities (RQ'S) in 40 CFR 355 Appendix A&B Extremely Hazardous Substances. The emergency planning and release requirements of 40 CFR 355 apply to any facility at which there is present any amount of any extremely hazardous substance (EHS) equal to or in excess of its Threshold Planning Quantity (TPQ).

Components present that could require reporting under the statute are:
NONE KNOWN

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EPCRA 40 CFR 372 (Section 313) Requires EPA and the States to annually collect data on releases of certain toxic materials from industrial facilities, and make the data available to the public in the Toxics Releases Inventory (TRI). This information must be included in all MSDS'S that are copied and distributed or compiled for this material. Reporting Threshold: Standard: A facility must report if it manufactures (including imports) or processes 25,000 pounds or more or otherwise uses 10,000 pounds or more of a listed toxic chemical during the calendar year.

Components present that could require reporting under the statute are:
SEE SECTION II

The components of this product are listed or excluded from listing on the US Toxic Substance Control Act (TSCA) chemical substance inventory. Mixtures shall be assumed to present the same health hazards as do the components which comprise one percent (by weight or volume) or greater of the mixture, except that the mixture shall be assumed to present a carcinogenic hazard if it has a component in concentrations of 0.1 percent or greater. The remaining percentage of unspecified ingredients, if any, are not contained in above DeMinimis concentrations and/or are believed to be non-hazardous under the OSHA Hazard Communication Standard (29 CFR 1910.1200), and may consist of pigments, fillers, defoamers, wetting agents, resins, dryers, anti-bacterial agents, water, and/or solvents in varying concentrations.

INTERNATIONAL REGULATIONS:

CANADIAN WHMIS: This product is not listed in any division, class, or subdivision.

CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA): All of the components of this product are exempt or listed on the DSL/NDSL. See Section II For Composition/Information on Ingredients.

EINECS: All of the components of this product are listed in the EINECS inventory or are exempt from, notification requirements.

STATE REGULATIONS:

CALIFORNIA:

CALIFORNIA PROPOSITION 65: The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986:

“WARNING: This product contains the chemical(s) appearing below known to the State of California to:

A: CAUSE CANCER: NONE KNOWN

* If tinted contains Carbon Black: CAS # 1333-86-4 and may also contain trace amounts of Crystalline Silica: CAS # 14808-60-7

B: CAUSE BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM: NONE KNOWN

In addition to the above named chemical(s) (if any), this product may contain trace amounts of chemicals, known to the State of California, to cause Cancer or Birth Defects and other Reproductive Harm.

DELAWARE: NONE KNOWN

FLORIDA: NONE KNOWN

MASSACHUSETTS: Titanium Dioxide CAS # 13463-67-7 SUBSTANCE CODES: 4

MICHIGAN: NONE KNOWN

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MINNESOTA: Titanium Dioxide CAS # 13463-67-7
Listed In The Minnesota Substances List:
Codes: A
Hazards: --
Carcinogen? NO

NEW JERSEY: NONE KNOWN

NEW YORK: NONE KNOWN

PENNSYLVANIA: Titanium Dioxide CAS # 13463-67-7 Code: --

WASHINGTON: Titanium Dioxide (Total Dust) CAS # 13463-67-7

Washington Air Contaminant:	ppm	mg/Cubic Meter
TWA	UNK	10
STEL	UNK	UNK
CEILING	UNK	UNK

SKIN: UNK

===== SECTION XVI - OTHER INFORMATION =====

HMIS® III

HEALTH : 2
FLAMMABILITY : 1
PHYSICAL HAZARD : 1

*Following Health rating Indicates Chronic/Carcinogenic Effects

HMIS® III PERSONAL PROTECTION :G

This rating is for the product as it is packaged. This rating will need to be adjusted by the user based on conditions of use.

The information contained herein relates only to the specific material identified. The manufacture believes that such information is accurate and reliable as of the date of the material safety data sheet, but no representation, guarantee or warranty, expressed or implied, is made as to the accuracy, reliability, or completeness of the information. To assure proper use & disposal of these materials & the safety & health of employees & customers, the manufacture urges persons receiving this information to make their own determination as to the information's suitability and completeness for their particular application.