

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: ELASTUFF 120 - ROLLER GRADE - PART B - DARK GRAY

PRODUCT CODE: EF-120-RG-B-DG

===== 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: May 2012

===== SECTION II - HAZARDOUS INGREDIENTS / SARA III INFORMATION =====

REPORTABLE COMPONENTS	CAS #	MM HG @ TEMP	Weight %
PHTHALATE ACID ESTER No OEL's established. ~	68515-45-7	<0.075 68°F/20°C	14
2-ETHYL-1,3-HEXANEDIOL No exposure limits established for this material. ~	94-96-2	<1 167°F/75°C	10
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
# PIGMENT Contains: Carbon black, CAS#1333-86-4, OSHA/ACGIH: 3.5mg/m3 TWA. Mineral spirits, CAS#8052-41-3, OSHA TWA: 500ppm, ACGIH TWA: 100ppm. Magnesium silicate hydrate (Talc), CAS#14807-96-6, OSHA PEL: 20mppcf TWA, ACGIH TLV: 2mg/m3 TWA ~	Mixture	N/A 68°F/20°C	6
Non Hazardous Ingredients: Includes: Drying Oil, and materials below reportable limits. ~			66

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

Indicates carcinogenic chemical.

NOTE: If tinted may contain Carbon Black CAS#1333-86-4 AND/OR Crystalline Silica CAS#14808-60-7. If tinted DARK GRAY or BLACK consider these levels to be reportable.

The hazards of both part A and part B will be exhibited when both parts are combined. This MSDS may be used for other colors and container sizes of this product.

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

POTENTIAL HEALTH EFFECTS

EYES: May cause sever irritation with corneal injury, which may result in permanent impairment of vision, even blindness.

SKIN: Prolonged exposure may cause slight skin irritation. A single prolonged exposure is not likely to result in the material being absorbed through skin in harmful amounts.

INGESTION: While this material has a low degree of toxicity, ingestion of large quantities may cause irritation of the digestive tract.

INHALATION: May cause burning of the upper respiratory tract and/or temporary or permanent lung damage.

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

EYES: Immediate and continuous irrigation with flowing water for at least 30 minutes is imperative. 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: Do not induce vomiting. Never give anything by mouth to an unconscious 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: 101°F/38.3°C

LOWER FLAMMABLE LIMIT: N/A

UPPER FLAMMABLE LIMIT: N/A

AUTO IGNITION TEMPERATURE: NOT AVAILABLE

EXTINGUISHING MEDIA: Foam, CO2, dry chemical, water fog

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.

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

SMALL SPILL: Absorb liquid with vermiculite, floor absorbent or other absorbent material and transfer to drum for proper disposal.

LARGE SPILL: Wear skin, eye & respiratory protection during clean-up. Evacuate area of all non-essential personnel. Ventilate spill area. Dike, and contain and/or absorb with inert material (sand, earth or other suitable material) to prevent entry into storm drains, sewers and other unauthorized treatment/drainage systems and natural waterways. Scoop up and place in approved containers for proper disposal. Cover with lid. If spill occurs near air inlets or inside, turn off heating or air-conditioning equipment to prevent contaminating building.

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

HANDLING & STORAGE: Keep from freezing. Keep container cool and dry. Use and store this product with adequate ventilation. Keep product containers tightly closed when not in use. Avoid subjecting this product to extreme temperature variations.

OTHER PRECAUTIONS: Closed containers may explode 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. Keep container tightly closed when not in use. Empty containers, especially drums, should be completely drained, properly bunged and promptly returned to a drum reconditioner, or properly disposed of. Use only in a well ventilated area. Keep out 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.

Mechanical exhaust ventilation, with volume and pattern capable of maintaining a fresh air supply, may be necessary in confined spaces.

RESPIRATORY PROTECTION: Use NIOSH approved respiratory protection where airborne level is unknown or exceeds the occupational exposure limit.

(NOTE: *** part A contains isocyanate***. Extreme caution must be used as the hazards of both part A and part B will be exhibited when the A and B components are combined).

SKIN PROTECTION: The use of gloves impermeable to the specific material handled is advised to prevent skin contact and possible irritation. Note that PVA degrades in water.

EYE PROTECTION: Safety glasses with side shields recommended.

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

BOILING RANGE: 235-278C - 469.4F-243C

MELTING POINT: N/A

SPECIFIC GRAVITY (H₂O=1): 0.9729

VAPOR DENSITY (AIR=1): Heavier than air

VAPOR PRESSURE: NO DATA

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

COATING V.O.C.: 0.05 lb/gl

MATERIAL V.O.C.: 0.05 lb/gl

COATING V.O.C.: 6 g/l

MATERIAL V.O.C.: 6 g/l

SOLUBILITY IN WATER: Not Established

APPEARANCE: VISCOUS PIGMENTED LIQUID.

ODOR: AROMATIC ODOR.

P/H: N/A

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

STABILITY: THIS MATERIAL IS CONSIDERED STABLE. HOWEVER, AVOID TEMPERATURES ABOVE 177C/350F, THE ONSET OF POLYMER DECOMPOSITION. THERMAL DECOMPOSITION IS DEPENDENT ON TIME AND TEMPERATURE

CONDITIONS TO AVOID: Avoid heat and open flame. Keep air tight and free of moisture.

INCOMPATIBLE MATERIALS: Avoid contact with strong oxidizing agents. Contact with the following materials may cause a reaction generating heat or decomposition: water.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide, aniline, oxides of nitrogen and other unidentified organic compounds in smoke.

HAZARDOUS POLYMERIZATION: Will not occur.

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

* Data is for individual components of preparation.

MATERIALS HAVING A KNOWN CHRONIC/ACUTE EFFECTS ON EYES:

TOXICOLOGY: CASTOR OIL CAS# 8001-79-4; EYE IRRITATION, RABBIT: 500 MG-MILD.

MATERIALS HAVING A KNOWN DERMAL TOXICITY:

Titanium Dioxide CAS # 13463-67-7 Dermal LD50 (rabbit) >10 g/kg

MATERIALS HAVING A KNOWN ORAL TOXICITY:

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

TITANIUM DIOXIDE CAS#13463-67-7 Oral LD50 (rat) >25 g/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: EYE AND SKIN IRRITATION.

IDENTIFIED CARCINOGENS / LONGTERM EFFECTS: Titanium Dioxide IARC Class 2B (Possibly Carcinogenic to Humans)

IDENTIFIED TERATOGENS: NO DATA

IDENTIFIED REPRODUCTIVE TOXINS: NO DATA

IDENTIFIED MUTAGENS: NO DATA.

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

ECOTOXICOLOGICAL EFFECTS ON PLANTS AND ANIMALS:

Titanium Dioxide CAS # 13463-67-7 96 Hr LC50 (Fathead minnows) >1,000 mg/l

CHEMICAL FATE: 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.

===== 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 it's 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:

SEE SECTION II FOR PERCENTAGES

*TOXIC: NOT REPORTABLE IN QUANTITIES LESS THAN 1%
ALUMINUM FLAKE, CAS #7429-90-5 De minimis concentration (%): 1.0
Reporting Threshold: Standard

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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 it's Threshold Planning Quantity (TPQ).

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

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 contains the following in recordable amounts:
Titanium Dioxide CAS#13463-67-7

WHMIS CLASSIFICATION: D2A

WHMIS HEALTH EFFECTS CRITERIA MET BY THIS CHEMICAL: Very toxic material causing other toxic effects

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:	Aluminum Flake	CAS#7429-90-5	EINECS#:231-072-3
	Castor Oil	CAS#8001-79-4	EINECE#:232-293-8
	Titanium Dioxide	CAS#13463-67-7	EINECS#:236-675-5

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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:

Titanium Dioxide (Airborne, unbound particles of respirable size)

* 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: Listed on the Delaware Air Quality Management List:

Aluminum Flake, CAS# 7429-90-5 DRQ 100#

FLORIDA: Aluminum Flake, CAS# 7429-90-5 Listed as Toxic

IDAHO: Aluminum Flake CAS# 7429-90-5

Idaho Air Pollutant List:

Title 585- -AAC: -- Title 586- -AAAC: --

Title 585- -EL: -- Title 586- -EL: --

Title 585- -OEL: -- Title 586- -OEF: --

MASSACHUSETTS: Aluminum Flake, CAS# 7429-90-5 Substance Codes 4,5,F1,F9
Titanium Dioxide CAS # 13463-67-7 Substance Codes: 4

MICHIGAN: NONE KNOWN

MINNESOTA: Listed In The Minnesota Hazardous Substances List:

Aluminum Flake CAS# 7429-90-5 Codes: A Hazards: -- Carcinogen? NO

Titanium Dioxide CAS # 13463-67-7 Codes: A Hazards: -- Carcinogen? NO

NEW JERSEY: New Jersey RTK Hazardous Substance:

Aluminum Flake, CAS#7429-90-5

NEW YORK: NONE KNOWN

PENNSYLVANIA: Aluminum Flake CAS# 742-90-5 Code: E
Titanium Dioxide CAS # 13463-67-7 Code: --

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WASHINGTON:

Aluminum Flake CAS# 7429-90-5

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

SKIN: UNK

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

WISCONSIN: NONE KNOWN

WEST VIRGINIA: The following is on the West Virginia Toxic Air Pollutant List:

Aluminum Flake CAS# 7429-90-5 (Pounds per Year):

===== **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 this 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.