



CRUMB RUBBER MATERIAL DATA SAFETY SHEET

MATERIAL (CAS)	WT%	OSHA PEL	(ACGIHTLV)
Vulcanized Rubber Compound	Approx. 99%	N/A	N/A
Talc (Hydrous Magnesium Silicate)	Less than 4%	2.0 mg/m3	2.0 mg/m3
FLASH POINT:	N/A	FLAMMABLE LIMITS	N/A

HAZARDOUS INGREDIENTS			
PRODUCT IDENTIFICATION/CHEMICAL & PHYSICAL CHARACTERISTICS			
PRODUCT NAME	Green Clean	SOLUBILITY IN WATER	Insoluble
APPEARANCE	Manufactured Article	ODOR	Slight smell of vulcanized rubber
SPECIFIC GRAVITY	1.0—1.15	MELTING POINT	N/A
VAPOR PRESSURE	N/A	VAPOR DENSITY	N/A
EVAPORATION RATE	N/A	BOILING POINT	N/A

FIRE AND EXPLOSION HAZARD DATA	
LEL—.025 OZ/CU.FT. *	UEL: N/A
EXTINGUISHING MEDIA:	Water, foam, dry powder, encapsulating fire suppressant. (DO NOT USE HIGH PRESSURE WATER)
SPECIAL FIRE FIGHTING PROCEDURES:	Noxious gases may be formed under fire conditions. West NIOSH approved self contained apparatus.
* Estimates based on the NPFA Fire Protection Book	

HAZARDOUS INGREDIENTS	
HEALTH HAZARD DATA	
STABLE : Yes	CONDITIONS TO AVOID: Conditions that will cause burning
INCOMPATIBILITY (Materials to avoid)	N/A
HAZARDOUS DECOMPOSITION OF BYPRODUCTS	Thermal decomposition may produce carbon monoxide, carbon dioxide, zinc oxide fumes/dust, sulfur dioxide, liquid and gaseous hydrocarbons.
HAZARDOUS POLYMERIZATION : Will not occur	CONDITIONS TO AVOID: Do not store hot material in hoppers due to possibility of spontaneous combustion.
ROUTES OF ENTRY	Inhalation
HEALTH HAZARDS (Acute and Chronic)	None
CARCINOGENICITY	Rubber is not listed as a carcinogen
SIGNS AND SYMPTOMS OF EXPOSURE	Itching of skin, irritation of mucous membranes, sneezing and coughing, irritation of eyes.
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE	Not known; however, could potentially aggravate allergies due to dust exposure/inhalation.
EMERGENCY AND FIRST AID PROCEDURES	Normal washing of skin with soap and water. Ordinary means of personal hygiene are adequate.

Certificate of Analysis

Customer:	Delamo Manufacturing	Test Date:	10/7/2011
Address:	7171 Telegraph Road Montebello, CA 90640	Purchase Order No.:	PO011752
Material:	20/80 - recycled Tires/ post-consumer PP	Customer Part No.:	Delamo Green Clean
Lot No.	MCC-2210 Boxes 1 - 20	Specification:	

<u>Test</u>	<u>Reference</u>	<u>Units</u>	<u>Result</u>	<u>Target</u>	<u>Tolerance</u>
Melt Flow Rate	ASTM D1238	g/10 min.	3.31		
Notched IZOD Impact	ASTM D256 (73°F)	ft. lbs./in ²	1.61		
Tensile Yield	ASTM D638	psi	2067		
Flexural Modulus	ASTM D790	ksi	114		

Contacts:	Quality - Ken LaBean	Operations Manager - Jeff Brown
------------------	-----------------------------	--

NOTES:

Based on the testing results for the current lot as compared to the physical properties requirements listed above, this product meets the performance for Ford spec WSK-M4D731-A1.