


MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT: Polyurethane bonded rubber products GENERAL USE: Bonded rubber products for landscaping PRODUCT DESCRIPTION: Rubber mats, downspout drainage splash block, landscape edging, tree, rubber landscape timber, pavers, and tree circles	
MANUFACTURER: International Mulch Company	Date Prepared: June 26, 2012 Supersedes: March 16, 2012
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SECTION 2 - HAZARDOUS INGREDIENTS

HAZARDOUS INGRDIENTS	CAS #	% (by weight)	OSHA PEL		ACGIH TWA		SARA 313	RQ lbs
			ppm	mg/m ³	ppm	mg/m ³		
Reprocessed Ground Rubber (from recycled used tires)	None	70 - 90%	Not established					
May contain:								
Polyisoprene	9003-31-0							
Styrene-butadiene rubber	9003-55-8							
Polybutadiene	68514-37-4							
Reacted polyurethane polymer	9009-54-5	5-15%	Not established					
Zinc oxide (as zinc)	1314-13-2	0.5 - 4%	15 mg/m ³		10 mg/m ³		Yes	

SECTION 3 - HAZARDS IDENTIFICATION

OVERVIEW: This product is inert and presents no hazards when used intact under normal circumstances. However, when the product is being cut, melted, heated or burned there exists a potential for the release of hazardous chemicals or particulates.

INHALATION: Breathing fumes or particulates generated from the cutting, melting or heating may release toxic chemicals or irritating dusts.

SKIN: None expected; however prolonged exposure to dusts from cutting may cause irritation.

EYES: Dusts from cutting may cause irritation.

INGESTION: If pieces are ingested, it may cause gastric distress, stomach pains, vomiting and diarrhea.

CARCINOGENICITY: None under normal uses and circumstances

SECTION 4 - FIRST AID MEASURES

INHALATION: If excessive amounts of fumes or dusts are inhaled while cutting, heating or melting this product, remove the affected person to fresh air. If symptoms persist, seek medical attention.

SKIN: Remove contaminated clothing, wash affected area with soap and water, wash contaminated clothing before reuse. If irritation persists, seek medical attention.

EYES: Remove contact lenses. Flush eyes with clean running water for 15 minutes while holding eyes open. If irritation persists, seek medical attention.

INGESTION: Give two glasses of water for dilution. Do not induce vomiting. Seek medical attention.

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SECTION 5 - FIRE FIGHTING MEASURES	
Approximate auto-ignition temperature: 435°C (815°F)	
GENERAL HAZARDS: This product will support combustion. Products of combustion include compounds of carbon, hydrogen and oxygen, including carbon monoxide. Excessive smoke is possible. Use self contained breathing apparatus and protective clothing to prevent contact with skin and eyes.	
EXTINGUISHING MEDIA: Carbon dioxide, water, water fog, dry chemical, chemical foam	
FIRE FIGHTING PROCEDURES: Fire fighters should wear full-face self-controlled breathing apparatus when fighting a fire. A solid stream of water may scatter and spread fire as non-extinguished burning pieces may break off and spread the fire. Rubber fires are sometimes best extinguished by deprivation of oxygen, then allowed to fully cool.	
UNUSUAL FIRE AND EXPLOSION HAZARDS: Excessive heat or flame may ignite rubber, causing a slow or rapid burning and intensely hot fire with intense smoke. Incomplete combustion can produce oils and dense soot (carbon black). It is possible for rubber to smolder for an extended time. After a fire, be certain that the material is completely extinguished before disposal.	
HAZARDOUS COMBUSTION PRODUCTS: Smoke and fumes, (carbon monoxide, hydrogen cyanide), oxides of carbon and nitrogen oxides	
SECTION 6 - ENVIRONMENTAL RELEASE MEASURES	
STEPS TO BE TAKEN IN THE EVENT OF SPILL OR RELEASE INTO THE ENVIRONMENT: Recover the product for re-use.	
SECTION 7 - HANDLING AND STORAGE	
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Avoid storage in extremely hot environments.	
SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION	
PERSONAL PROTECTION: No emissions if cut with a utility knife. Possible emissions if other electric cutting devices are used in such a way that the product is heated or able to melt. If necessary, use respirator or ensure proper ventilation is present.	
SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES	
GENERAL INFORMATION:	
Physical State: Solid	Vapor pressure: not determined
Color: Various	Vapor density: not determined
Odor: Characteristic of rubber	pH: not specified
Density: 1.05 - 1.20 (water = 1)	Volatile organic compounds (VOC): not determined
Solubility in water: non-soluble	Evaporation rate: not applicable
SECTION 10 - STABILITY AND REACTIVITY	
This product is completely stable under normal use and conditions. Avoid use with strong acids and strong oxidizers.	

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SECTION 11 - TOXICOLOGICAL INFORMATION	
There are no toxicological concerns for this product when used according to its intended purposes.	
SECTION 12 - ECOLOGICAL INFORMATION	
There are no ecological concerns related to this product when used according to its intended purposes.	
SECTION 13 - DISPOSAL CONSIDERATIONS	
Disposal must be in accordance with local, state and federal laws and regulations. Products are not classified as hazardous waste provided it is not contaminated with hazardous materials. Commercial amounts of this product might be classified as a special non-hazardous waste.	
SECTION 14 - TRANSPORT INFORMATION	
Transportation must be in accordance with local, state and federal regulations. There is no proper DOT Shipping Name since this is not a hazardous material. No special packaging or special transportation are required provided the materials are not contaminated or mixed with hazardous waste or materials.	
SECTION 15 - REGULATORY INFORMATION	
<p>TSCA - Toxic Substances Control Act Some components of this product are listed on the TSCA Inventory</p> <p>SARA Title III (Superfund Amendments and Reauthorization Act) Section 311 / 312 Hazard Categories and Hazardous Materials Notification - MSDS Notification Section 313 - Yes in Section 2 of this MSDS indicates that Zinc Oxide is subject to this reporting Requirement, if Zinc Oxide is manufactured, processed or otherwise used in quantities above the threshold.</p> <p>CERCLA (Comprehensive Response and Compensation Liability Act) - Not applicable</p> <p>RCRA - (Resource Conservation and Recovery Act) - Not applicable</p>	
SECTION 16 - OTHER INFORMATION	
Products manufactured from recycled materials may contain trace quantities of ingredients not mentioned in this Material Safety Data Sheet. The author of this document and the manufacturer of this product make no claims of liability for the unknown ingredients contained in this product and not mentioned in this Material Safety Data Sheet.	
<p>HMIS HAZARD RATINGS</p> <p>Health 0 0 = Insignificant, 1 = slight 2 = Moderate Flammability 1 3 = High 4 = Extreme Reactivity 0</p>	
The information contained herein is believed to be accurate but is not warranted to be so. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstances of use. Vender assumed no responsibility for injury to purchaser of product or third party persons proximately caused by the material, if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this product even if reasonable safety procedures are followed.	

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