



MATERIAL SAFETY DATA SHEET

FILE NO: MD 00003

PRODUCT : SHOCK-DRAINAGE PAD FTS

MSDS Date / Revision: 03/ 10/ 2009

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: FINE TUNED SYSTEM (REPROCESSED TIRE PRODUCTS)
SYNONYMS: FTS K55S-3
PRODUCT CODES: FTS 090002

MANUFACTURER: MONDO AMERICA INC
ADDRESS: 2655 Francis-Hughes Laval,
(Quebec) Canada H7L 3S8

EMERGENCY PHONE: 1 800 663 8138

CHEMICAL NAME: N/A
CHEMICAL FAMILY: N/A
CHEMICAL FORMULA: N/A

PRODUCT USE: ARTIFICIAL PLAYING SURFACE

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Mixture of natural and synthetic rubbers, polyester, carbon black, fillers and oils.
The fine tuned system is a product obtained by the compression of the reclaimed tire crumbs between two sheets of polyester cloth using a binder to hold the granules together.

Hazardous Ingredients	% (w/w)	C.A.S.	OSHA (PEL)	ACGIH (TLV)
Reprocessed rubber	40-55	SBR: 9003-55-8	15 mg/m ³	10mg/m ³
Process oil	10-20	64742-04-07	5 mg/m ³	NA
Carbon black	27-33	1333-86-4	3.5 mg/m ³	3.5 mg/m ³
Zinc oxide	1-5	1314-13-2	5mg/m ³	10mg/m ³
Sulfur	1-2	7704-34-9	NA	10mg/m ³
Stearic acid	1-2	57-11-4	NA	NA

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: This product has been evaluated and does not require a hazard warning on the label under OSHA criteria. It is an article and, as such, is excluded per 29 CFR 1910.1200(b) (6) (v) of the OSHA Hazard Communication Standard.

ROUTES OF ENTRY : Dermal contact. Eye contact. Inhalation. Ingestion.

POTENTIAL HEALTH EFFECTS

EYES: Non-irritant to the eyes

SKIN: Non-irritant for the skin

INGESTION: Do not ingest.

INHALATION: No significant irritation expected other than possible mechanical irritation.

ACUTE HEALTH HAZARDS: Not applicable

CHRONIC HEALTH HAZARDS: Not applicable

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Not applicable



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SECTION 4: FIRST AID MEASURES

EYES: Wash affected area immediately with plenty of water for at least 15 minutes. If irritation develops or persists, seek medical attention

SKIN: Wash affected area with large amounts of soap and water. If irritation develops or persists, seek medical attention

INGESTION: If swallowed, seek medical attention. May cause gastrointestinal blockage.

INHALATION: No adverse effects are anticipated from single exposure to dust. If adverse effects occur, remove to uncontaminated area. Seek medical attention

SECTION 5: FIRE-FIGHTING MEASURES

FLASH POINT (OC)..... 232°C (475°F)

UPPER FLAMMABLE LIMITS (% VOL): Not available

LOWER FLAMMABLE LIMITS (% VOL): Not available

AUTO IGNITION TEMPERATURE: 350°C (700°F)

NFPA HAZARD CLASSIFICATION: HEALTH: 1 FLAMMABILITY: 1 REACTIVITY: 0

HMIS HAZARD CLASSIFICATION: HEALTH: 1 FLAMMABILITY: 1 REACTIVITY: 0

EXTINGUISHING MEDIA: All extinguishing media can be used, therefore use suitable media appropriate for the surrounding fire.

SPECIAL FIRE FIGHTING PROCEDURES: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

UNUSUAL FIRE AND EXPLOSION HAZARDS:..... This product will ignite when exposed to heat or flame. Rubber burns with intense heat and produces smoke. During an uncontrolled fire, incomplete combustion occurs which releases oil and a wide range of hydrocarbon pyrolysis products.
A dust explosion hazards exists with hard rubber in the powder form and in the presence of an ignition source

HAZARDOUS DECOMPOSITION PRODUCTS: Complete combustion can produce carbon monoxide and/or carbon dioxide and other harmful products.

SECTION 6: ACCIDENTAL RELEASE MEASURES

LEAKS AND SPILLS..... Not applicable

SECTION 7: HANDLING AND STORAGE

HANDLING PROCEDURES: Avoid creation of respirable dust. Avoid contact with eyes and ingestion. Use good industrial hygiene practices in handling this material.

STORAGE NEEDS: No special requirements.



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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Not applicable
VENTILATION EQUIPMENT: Not applicable
RESPIRATORY PROTECTION: Not applicable
EYE PROTECTION: None required; however, use of eye protection is good industrial practice.
SKIN PROTECTION: None required; however, use of protective gloves/ clothing is good industrial practice.
WORK HYGIENIC PRACTICES: Not applicable
EXPOSURE GUIDELINES: Not applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Thick mat
ODOR: Rubber tire odor
PHYSICAL STATE: Solid
pH AS SUPPLIED: Not applicable
BOILING POINT: Not applicable
MELTING POINT: Not applicable
FREEZING POINT: Not applicable
VAPOR PRESSURE (mmHg): Not applicable
VAPOR DENSITY (AIR = 1): Not applicable
SPECIFIC GRAVITY (H₂O = 1): 0.82
EVAPORATION RATE: Not applicable
SOLUBILITY IN WATER: Insoluble

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable
CONDITIONS TO AVOID (STABILITY): Combustion
INCOMPATIBILITY (MATERIAL TO AVOID): None identified
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Incomplete burning can produce carbon monoxide and/or carbon dioxide, various oxidized hydrocarbons and other harmful products.
HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: Testing not conducted

SECTION 11 NOTES: Specific toxicity tests have not been conducted on this product. Our hazard evaluation is based on information from similar products, the ingredients, technical literature, and/or professional experience.

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: This water-insoluble polymeric solid is expected to be inert in the environment. Surface photodegradation is expected with exposure to sunlight. No appreciable biodegradation is expected.



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SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator.

The preferred options include sending to a licensed, permitted: Recycler. Reclaimer. Incinerator or other thermal destruction device.

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION:

SHIPPING NAME: Not Regulated

Canadian Transportation of Dangerous Goods

SHIPPING NAME: Not Regulated

INTERNATIONAL INFORMATION:

Sea (IMO/IMDG):

SHIPPING NAME: Not Regulated

Air (ICAO/IATA)

SHIPPING NAME: Not Regulated

European Road/Rail (ADR/RID)

SHIPPING NAME: Not Regulated

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

CERCLA SECTIONS 102a/103 HAZARDOUS SUBSTANCES (40 CFR Part 302.4): This product is not reportable under 40 CFR Part 302.4

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT): This product is not regulated under Section 302 of SARA and 40 CFR Part 355.

311/312 HAZARD CATEGORIES: This product is not regulated under SARA Title III Section 311/312.

313 REPORTABLE INGREDIENTS: This product is not regulated under Section 313 of SARA and 40 CFR Part 372.

CANADIAN REGULATIONS:

CONTROLLED PRODUCTS REGULATIONS (CPR): This product has been classified in accordance with the criteria of the Controlled Products Regulations (CPR), and the MSDS contains all the information required by CPR.

WHMIS CLASSIFICATION: Not a Controlled Product under Canada's Workplace Hazardous Materials Information System.

SECTION 16: OTHER INFORMATION

DISCLAIMER: Mondo urges each customer or recipient of this MSDS to study it carefully and consult appropriate expertise, as necessary or appropriate, to become aware of and understand the data contained in this MSDS and any hazards associated with the product. The information herein is provided in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ between various locations. It is the buyer's/user's responsibility to ensure that his activities comply with all federal, state, provincial or local laws. The information presented here pertains only to the product as shipped. Since conditions for use of the product are not under the control of the manufacturer, it is the buyer's/user's duty to determine the conditions necessary for the safe use of this product.