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MATERIAL SAFETY DATA SHEET

1.0 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Polyester Chips, Preformance™

CHEMICAL NAME & SYNONYMS: Polyethylene terephthalate (PET)

EMERGENCY HEALTH INFORMATION:
800-447-8735

MANUFACTURER / SUPPLIER:

STARPET, Inc.
801 Pineview Road
Asheboro, NC 27203

EMERGENCY SPILL INFORMATION
800-424-9300 CHEMTREC (USA)

OTHER PRODUCT SAFETY INFORMATION:
(336) 672-0101

2.0 COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENT: Polyethylene Terephthalate

CHEMICAL FORMULA: $(C_{10}H_8O_4)_n$

CAS#: 25038-59-9

% BY WT.: 99%

3.0 HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: This product has been evaluated and does not require any hazard warning on the label under OSHA criteria

POTENTIAL HEALTH EFFECTS:

EYE CONTACT: No significant health hazards identified. Particles or fibers may cause slight discomfort similar to getting dust in the eye.

SKIN CONTACT: No significant health hazards.

INHALATION: No significant health hazards.

INGESTION: No significant health hazards.

HMIS CODE: (Health: 1) (Flammability: 1) (Reactivity: 0)

NFPA CODE: (Health: 1) (Flammability: 1) (Reactivity: 0)

4.0 FIRST AID MEASURES

EYE: Flush eyes with plenty of water.

SKIN: Wash exposed skin with soap and water.

INHALATION: If adverse effects occur, remove to uncontaminated area. Seek medical attention.

INGESTION: If large amount is swallowed, seek medical attention.

5.0 FIRE FIGHTING MEASURES

FLASHPOINT: Not applicable

UEL: Not applicable

LEL: Not applicable

AUTOIGNITION TEMPERATURE: Not applicable

FLAMMABILITY CLASSIFICATION: None

EXTINGUISHING MEDIA: Agents approved for Class "A" hazards (e.g., foam, steam) or water fog.

UNUSUAL FIRE AND EXPLOSION HAZARDS: High dust concentrations have a potential for combustion or explosion.

FIRE-FIGHTING EQUIPMENT: Firefighters should wear full bunker gear, including a positive pressure self-contained breathing apparatus.

PRECAUTIONS: High voltage static electricity buildup and discharge must be avoided when significant quantities of dust are present.

Keep away from sources of ignition (e.g., heat and open flames). Keep container closed. Use with adequate ventilation.

HAZARDOUS COMBUSTION PRODUCTS: Incomplete burning can produce carbon monoxide and/or carbon dioxide and other harmful products.

6.0 ACCIDENTAL RELEASE MEASURES

Contain and remove by mechanical means. Vacuum or sweep out; avoid producing dust. Internal of molten masses may remain hot for extended period of time. Use care when disposing of molten masses.

7.0 HANDLING AND STORAGE

HANDLING: Avoid extreme conditions of heat and humidity. Avoid buildup of static electricity. Pellet-handling equipment should be grounded to prevent buildup of electrostatic charge. Use with adequate ventilation. Avoid dust accumulation.

STORAGE: Keep container closed. Pellets on floor may be slippery and cause falls. Store in boxes in accordance with good materials-handling practices.

8.0 EXPOSURE CONTROLS / PERSONAL PROTECTION

EYE: Safety glasses with side-shields at minimum; use a face shield when handling molten material

SKIN: Protective clothing (e.g., gloves) should be worn when handling molten material.

INHALATION: None required; however, use of adequate ventilation is good industrial practice.

ENGINEERING CONTROLS: Control airborne concentrations below the exposure guidelines.

EXPOSURE GUIDELINES:

COMPONENT: Polyethylene Terephthalate

CAS #: 25038-59-9

EXPOSURE LIMITS:

OSHA PEL: 15mg/m³ (total) 8 hr TWA

(Nuisance Dust): 5mg/m³ (respirable) 8 hr TWA

ACGIH-TLV: 10mg/m³ (total) 8 hrTWA

(Nuisance Dust): N/A

9.0 CHEMICAL AND PHYSICAL PROPERTIES

APPEARANCE AND ODOR: Yellow to water-white, transparent to opaque pellets. Essentially no odor.

pH: Not determined

VAPOR PRESSURE: Not applicable

VAPOR DENSITY (Air =1): Not applicable

BOILING POINT: Decomposes at 280°C in presence of air.

MELTING POINT: Normally 245 - 265°C

SOLUBILITY IN WATER: Negligible

DENSITY: 1.3 – 1.5 g/ml at 23.5°C

10.0 STABILITY AND REACTIVITY

STABILITY: Stable.

CONDITIONS TO AVOID: Avoid generating dust, Keep away from ignition sources (e.g., heat, sparks, and open flames).

MATERIAL TO AVOID: Avoid chlorine, fluorine, and other strong oxidizers.

HAZARDOUS DECOMPOSITION: Incomplete burning can produce carbon monoxide and/or carbon dioxide and other harmful products.

HAZARDOUS POLYMERIZATION: Will not occur.

11.0 TOXICOLOGICAL INFORMATION

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.

No component of this product present at levels greater than 0.1% is identified as a carcinogen by the U.S. National Toxicology Program, the U.S. Occupational Safety and Health Act, or the International Agency on Research on Cancer (IARC).

12.0 ECOLOGICAL INFORMATION

Ecological testing has not been conducted on this product. The product is insoluble in water.

13.0 DISPOSAL INFORMATION

Disposal must be in accordance with applicable federal, state, or local regulations. Determine waste classification at time of disposal. Conditions of use may render the spent product a hazardous waste.

The container for this product can present explosion or fire hazards, even when emptied. To avoid risk of injury, do not cut, puncture, or weld on or near this container. Since the emptied containers retain product residue, follow label warnings even after container is emptied.

14.0 TRANSPORTATION INFORMATION

USDOT: Not regulated

AIR (ICAO/IATA): Not determined

EUROPEAN ROAD/RAIL (ADR/RID): Not regulated

CANADIAN TRANSPORTATION OF DANGEROUS GOODS: Not regulated

15.0 REGULATORY INFORMATION

CERCLA SECTIONS 102a/103 HAZARDOUS SUBSTANCES (40 CFR Part 302.4): Not reportable

SARA TITLE III SECTIONS 302, 311/312/313 (40 CFR Part 355, 370): Not reportable

U.S. INVENTORY (TSCA): Listed on 8(b) inventory.

16.0 OTHER INFORMATION

Prepared by: STARPET, Inc.

Issued: January 3rd, 2006

Supersedes: April 1st, 2003

This material safety data sheet and the information it contains is offered to you in good faith as accurate. We have reviewed all the information contained in this data sheet which we received from sources outside our company. We believe that information to be correct but cannot guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations.

It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made either express or implied.

Responsibility of MSDS: Mike Crabtree
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