
SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Zell-Crete Fiber
SYNONYMS: Polyester, Polyethylene terephthalate polymer (PET)

PURPOSE: Used in cellular concrete for reinforcement.

SUPPLIER: Elastizell Corporation of America
7900 Second Street, Dexter, Michigan 48130 USA

EMERGENCY PHONE: 734-426-6076
24 HOUR TRANSPORTATION PHONE: CHEMTREC @ 800-424-9300
PRODUCT INFORMATION: 734-761-6900

SECTION 2: HAZARDS IDENTIFICATION

Except for minor irritation of the skin and eyes, no adverse health effects are known.

This material (or any of its components) does not have concentrations equal to or greater than 0.1% of those listed by IARC, NTP, OSHA or ACGIH as a carcinogen.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredient Name</u>	<u>CAS #</u>	<u>Weight %</u>
Polyethylene Terephthalate	25038-59-9	>98%
Titanium Dioxide	13563-67-7	<2%
Finish Surfactant		trace

SECTION 4: FIRST AID MEASURES

SKIN: If irritation develops, wash affected area with soap and water.

EYES: If irritation develops, flush eyes with running water.

INHALATION: If processing vapor occurs and irritation develops, remove person to fresh air.

INGESTION: Not a probable route of exposure.

SECTION 5: FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Water spray, dry chemical

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SUPERSEDES SDS: 08/05/2015

SPECIAL FIREFIGHTING PROCEDURES: Wear self-contained breathing apparatus and protective clothing. Avoid excessive inhalation of smoke or potential thermal decomposition products.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

SECTION 6: ACCIDENTAL RELEASE MEASURES

IN CASE OF SPILL OR OTHER RELEASE: Always wear recommended personal protective equipment. Sweep or vacuum up and place in containers for reuse or disposal to an approved landfill.

SECTION 7: HANDLING AND STORAGE

No special handling requirements.

STORAGE: No special storage requirements

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Mechanical ventilation should be used during processing to remove any dusts, mists, or vapors.

PERSONAL PROTECTIVE EQUIPMENT

SKIN PROTECTION: It is good industrial hygiene practice to prevent prolonged or repeated skin contact.

EYE PROTECTION: Safety glasses are recommended during processing.

RESPIRATORY PROTECTION: None normally required. An approved dust respirator meeting Standard 42 CFR Part 84 should be worn if dusty conditions exist.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: White fiber

PHYSICAL STATE: Solid

ODOR: Odorless

SOLUBILITY IN WATER: Insoluble

IGNITION POINT: >1100°F

MELTING POINT: > 495°F

SPECIFIC GRAVITY: 1.38

DUCTILITY RANGE: -100°F through +440°F

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TENSILE STENGTH: 130-160ksi
INITIAL MODULUS: 50-60 grams/denier
YOUNG'S MODULUS: 2500ksi
ELONGATION / TENACITY: 5.5 grams/denier
WEAK ACID RESISTANCE: High
WEAK ALKALI RESISTANCE: High
THERMAL CONDUCTIVITY: Low
ELECTRICAL CONDUCTIVITY: Low

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable

INCOMPATIBILITIES: Tends to dissolve in caustic materials.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition products may include CO, ethylene glycol, aldehydes and other C, H, and O compounds.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

INHALATION: Low hazard of exposure under normal use.

EYES: Low hazard of exposure under normal use.

SKIN: Low hazard of exposure under normal use.

INGESTION: Low ingestion hazard.

SECTION 12: ECOLOGICAL INFORMATION

No data available

SECTION 13: DISPOSAL CONSIDERATIONS

Is the unused product a RCRA hazardous waste if discarded: No

SECTION 14: TRANSPORT INFORMATION

DEPARTMENT OF TRANSPORTATION: Not regulated
U.S. DOT SHIPPING NAME: PET fiber for concrete
US DOT HAZARD CLASS: Not hazardous
FREIGHT CLASSIFICATION: Rate class 50

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NMFC NUMBER: 106420 sub 8
LABELS REQUIRED: None
REPORTABLE QUANTITY: Not applicable
IATA: Not regulated
IMDG: Not regulated

SECTION 15: REGULATORY INFORMATION

TOXIC SUBSTANCES CONTROL ACT (TSCA): PET is listed on the TSCA Inventory.

SARA TITLE III/CERCLA:

CHEMICALS SUBJECT TO REPORTING REQUIREMENTS: None

SECTIONS 311 and 312 HAZARD CLASSIFICATIONS: Not applicable

SECTION 16: OTHER INFORMATION

SDS PREPARED BY:



Ned Glysson – Director of Research and Operations

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