



For Better Construction

MATERIAL SAFETY DATA SHEET

1.0 PRODUCT IDENTIFICATION

Supplier: Beren Chemical Co., Ltd
Emergency Phone Number: +86 1820 5888 132

Substance: Polypropylene
Trade Names: BetteRcel

Chemical and common name: Polypropylene Fiber, PP Fiber

2.0 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.

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 identified. Particles or fibers may cause slight discomfort similar to rubbing sand against the skin.

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

INGESTION: No significant health hazards identified.

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

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

3.0 COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT

CAS#

RANGE % BY WT.

Beren Chemical Co., Ltd
www.bettercel.cn

| | | |
|---------------------------------------|-------------|-----------|
| Polypropylene | 9003-07-0 | 98 - 99.9 |
| Lubricants: Fatty acids and/or esters | Blend | 0.2 - 2 |
| Additives | Proprietary | 0 - 1 |

4.0 FIRST AID MEASURES

EYE: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation develops.

SKIN: Wash exposed skin with soap and water. Get medical attention if irritation develops.

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

INGESTION: If a large amount is swallowed, get medical attention.

5.0 FIRE FIGHTING MEASURES

FIRE AND EXPLOSION HAZARDS: Slight fire hazard.

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

FIRE FIGHTING: Move material from fire area if it can be done without risk. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas.

SENSITIVITY TO MECHANICAL IMPACT: Not sensitive

SENSITIVITY TO STATIC DISCHARGE: Not sensitive

FLASH POINT: > 600° F (315° C)

UNUSUAL FIRE AND EXPLOSION HAZARDS: None identified.

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

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.

7.0 HANDLING AND STORAGE

HANDLING: No special requirements.

STORAGE: Store in a cool, dry place.

8.0 EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE: None required; however, use of eye protection is good industrial practice.

SKIN: None required; however, use of protective gloves/clothing is good industrial practice.

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

ENGINEERING CONTROLS: Control airborne concentrations below the exposure guidelines.

| COMPONENT | CAS# | Exposure Limits |
|---------------------------------------|-------------|--|
| Polypropylene | 9003-07-0 | OSHA TOTAL DUST: 15 mg/m ³ (particulate NOC) OSHA RESPIRABLE DUST: 5 mg/m ³ (Particulate NOC) ACGIH TLV-TWA:10 mg/m ³ (total dust) (particulate NOC) |
| Lubricants: Fatty acids and/or esters | Blend | No exposure limit established |
| Additives | Proprietary | No exposure limit established |

9.0 CHEMICAL AND PHYSICAL PROPERTIES

APPEARANCE AND ODOR: Fibrous materials packaged in paper bags. Odorless.

COLOR: White, natural, light gray fibers

pH: Not applicable



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VAPOR PRESSURE: Not applicable

VAPOR DENSITY: Not applicable

BOILING POINT: Not applicable

MELTING POINT: 320° F (160° C)

SOLUBILITY IN WATER: Negligible, below 0.1%

SPECIFIC GRAVITY (WATER = 1): 0.9

10.0 STABILITY AND REACTIVITY

STABILITY: Stable

CONDITIONS TO AVOID: None identified

MATERIALS TO AVOID: None identified

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

HAZARDOUS POLYMERIZATION: Will not occur

TOXICOLOGICAL INFORMATION

ACUTE TOXICITY DATA:

EYE IRRITATION: Testing not conducted. See Other Toxicity Data

SKIN IRRITATION: Testing not conducted. See Other Toxicity Data

DERMAL LD50: Testing not conducted. See Other Toxicity Data

ORAL LD50: Testing not conducted. See Other Toxicity Data

INHALATION LC50: Testing not conducted. See Other Toxicity Data



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OTHER TOXICITY DATA: 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.

12.0 ECOLOGICAL INFORMATION

Ecological testing has not been conducted on this material by Propex.

13.0 DISPOSAL INFORMATION

Enclosed-controlled incineration is recommended unless directed otherwise by applicable ordinances.

14.0 TRANSPORTATION INFORMATION

U.S. DEPT OF TRANSPORTATION

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

Canadian Transportation of Dangerous Goods

Shipping Name: Not Regulated

15.0 REGULATORY INFORMATION

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 SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR Part 355): This product is not regulated under Section 302 of SARA and 40 CFR Part 355.

SARA TITLE III SECTIONS 311/312 HAZARDOUS CATEGORIZATION (40 CFR Part 370): This product is not regulated under SARA Title III Section 311/312.

SARA TITLE III SECTION 313 (40 CFR Part 372): 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.

NATIONAL INVENTORY STATUS:

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

EC INVENTORY (EINECS/ELINCS): Not determined

JAPAN INVENTORY (MITI): Not determined

AUSTRALIA INVENTORY (AICS): In compliance

KOREA INVENTORY (ECL): Not determined

CANADA INVENTORY (DSL): In compliance

16.0 OTHER INFORMATION

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This Material Safety Data Sheet conforms to the requirements of ANSI Z400.1-2004

NOTICE: This publication should not be construed as engineering advice. While information contained in this publication is accurate to the best of our knowledge, Propex does not warrant its accuracy or completeness. The ultimate customer and user of the products should assume sole responsibility for the final determination of the suitability of the information and the products for the contemplated and actual use. The only warranty made by Propex for its products is set forth in our product data sheets for the product, or such other written warranty as may be agreed by Propex and individual customers. Propex specifically disclaims all other warranties express or implied, including without limitation, warranties of merchantability or fitness for a particular purpose, or arising from provision of samples, a course of dealing or usage of trade.