

BEAULIEU OF AMERICA, LLC



MATERIAL SAFETY DATA SHEET

Users of this product should study this data sheet containing important safety-related information and should make it available to all employees, agents, and contractors. If the product is resold, copies of this data sheet must be provided to the purchaser for use with its employees, agents, and contractors.

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURER'S NAME: BEAULIEU FIBERS
BRIDGEPORT PLANT
MANUFACTURER'S ADDRESS: 202 JACOBS AVENUE
BRIDGEPORT, AL. 35740

PRODUCT NAME: NYLON 6 POLYMER CHIPS **CHEMICAL FORMULA:** (C₆H₁₁NO)_N
CAS NUMBER: 25038-54-4 **CHEMICAL NAME:** Polyamide 6

SYNONYMS: POLY (E-CAPROLACTAM), SPINNING BRIGHT CHIPS, NYLON CHIPS

COMPOSITION: Product is a virgin polyamide 6 without additives.

MANUFACTURER'S PHONE NO.: (256) 495-2701

SECTION 2: PHYSICAL DATA

BOILING POINT (Deg C): Not Applicable **SPECIFIC GRAVITY (Water = 1.0):** 1.13
VAPOR PRESSURE (mm Hg: NA **OTHER:** Flash point = > 350 Deg C.
VAPOR DENSITY (Air = 1): NA **SOLUBILITY IN WATER:** Negligible

APPEARANCE AND ODOR: Opague white granules, no special odor.

ACGIH TLV/OSHA PEL: None established **% BY WEIGHT:** > 99.5

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Translucent to clear granules, no special odor. May cause mild irritation of the eyes, skin, and respiratory tract. Spilled pellets should be cleaned up to prevent slipping hazard.

POTENTIAL HEALTH EFFECTS:

EYES: Vapor or condensation particles from melted material may cause mild irritation of the eyes.

SKIN: Prolonged contact with chips may cause skin irritation. Prolonged contact with condensation particles from melted material may cause dermatitis.

INHALATION: Vapor or condensation particles from melted material may irritate mucous membranes and upper respiratory tract.

INGESTION: May cause gastric system upset, including nausea and vomiting. May cause intestinal blockage. No evidence of effects of acute exposure.

CHRONIC: Mild dermatitis may occur as a result of prolonged exposure. Dermatitis normally disappears when exposure ceases.

CARCINOGEN STATUS: Not listed as a carcinogen by the National Toxicology Program (NTP), International Agency for Research on Cancer (IARC), or the Occupational Safety and Health Administration (OSHA).

AGGRAVATED MEDICAL CONDITIONS: Persons with skin diseases may be at increased risk of exposure.

SECTION 4: FIRST AID MEASURES

EYES: Hold eyelids apart and flush with plenty of water for at least 15 minutes. Get medical attention if irritation develops or persists.

SKIN: Wash skin with soap and water. If molten polymer contacts skin, cool rapidly with cold water and obtain medical attention for removal of adhering material and treatment of burn.

INHALATION: If exposed to excessive vapor levels, remove to fresh air and get medical attention if cough or other symptoms develop.

INGESTION: If swallowed, drink one to two glasses of water or milk and induce vomiting. Never give anything by mouth to an unconscious person. Get medical help immediately.

SECTION 5: FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES: **FLASH POINT:** > 350 deg C

FLAMMABLE LIMITS (% VOLUME IN AIR): **LOWER FLAMMABLE LIMIT:** NA
UPPER FLAMMABLE LIMIT: NA

EXTINGUISHING MEDIA: Water, foam, carbon dioxide, or dry chemical.

SPECIAL FIRE FIGHTING PROCEDURES: Firefighters should wear NIOSH approved self-contained breathing apparatus with full facepiece and protective clothing to prevent contact with the skin and eyes. Use water spray to cool fire exposed containers.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None known.

HAZARDOUS DECOMPOSITION PRODUCTS: Nitrous gases, hydrogen cyanide, ammonia, and carbon monoxide are possible thermal decomposition products.

SECTION 6: ACCIDENTAL RELEASE INFORMATION

PROCEDURE FOR SPILLS: Wear recommended personal protective equipment (see section 8). Contain and sweep up spilled pellets to prevent slipping hazard.

CONTAINER DISPOSAL: Dispose of in a licensed facility. Recommend crushing to prevent reuse. Do not discharge into waterways or sewers without proper authority.

SECTION 7: HANDLING AND STORAGE

NORMAL HANDLING: Wear recommended personal protective equipment (see section 8). Avoid contact with skin, eyes, and clothing. Do not breathe vapors or dust. Wash thoroughly after handling. Use with adequate ventilation. Launder contaminated clothing before reuse.

STORAGE RECOMMENDATIONS: Store in a cool dry place. Material in bulk containers should be stored under a nitrogen blanket.

SECTION 8: EXPOSURE CONTROL AND PERSONAL PROTECTION

ENGINEERING CONTROLS: Provide natural or mechanical ventilation sufficient to maintain comfort.

RESPIRATORY PROTECTION: Not required in adequately ventilated areas.

EYE PROTECTION: Indirectly vented safety glasses and face shield are recommended when handling molten material. Safety glasses should be worn while in the vicinity of processing equipment.

SKIN PROTECTION: Wear appropriate safety gloves to protect against contact with hot material.

OTHER CONTROLS/PROTECTION: Provide eyewash stations and safety showers convenient to the work area. Wash hand prior to eating, drinking, or smoking.

SECTION 9: STABILITY AND REACTIVITY

STABILITY: Stable

MATERIALS TO AVOID: No information available

CONDITIONS TO AVOID: Heating or processing above 350 deg C to prevent thermal degradation.

SECTION 10: TOXICOLOGICAL INFORMATION

ANIMAL TOXICITY – ACUTE EFFECTS: Mouse LC50: 11 gram/m³ at 30 minutes exposure.

DELAYED (SUBCHRONIC & CHRONIC) EFFECTS: No reliable data available.

SECTION 11: ECOLOGICAL INFORMATION

AQUATIC TOXICITY: No data available.

SECTION 12: TRANSPORTATION INFORMATION

US DOT ID NUMBER: Not regulated

US DOT HAZARD CLASS: Not regulated

DOT PROPER SHIPPING DESCRIPTION: Plastic materials, synthetic resin in flake, powder, or granular form. Nylon 6 chips or Caprolactam chips.

SECTION 13: REGULATORY INFORMATION

TOXIC SUBSTANCE CONTROL ACT (TSCA) INVENTORY STATUS: Listed on inventory. Exempt From update rule.

SARA TITLE III/CERCLA: Not regulated

SARA 313: Not regulated.

FOREIGN INVENTORY STATUS: On DSL: Supplement to Canada Gazzette, Part 1, 1/26/1991.
On ENCS: Unlisted chemical name. For ENCS chemical class Or category name, refer to ENCS No. 7-357, 7-382.
On AICS: Australian inventory of Chemical Substances, June 1996.
On ECL: Korean Existing Chemicals List, January 1997.

SECTION 14: OTHER INFORMATION

HMIS RATING :

Health 1 (slight hazard)
Flammability 1 (slight hazard)
Reactivity 0 (minimal hazard)

HMIS RATING SYSTEM:

4- severe hazard
3- serious hazard
2- moderate hazard
1- slight hazard
0- minimal hazard

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