

BNX[®] BETAPP-LN **Material Safety Data Sheet**

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This MSDS complies with 29 CFR 1910 1200 (The Hazardous Communication Standard).

Section I • Identification

Product Name: BNX BETAPP-LN

Chemical Name: Beta Nucleated Polypropylene (PP)

Chemical Family: PP/Beta Nucleant

CAS Number: 9003-07-0 (PP) / Beta Nucleating Agent

DOT Shipping Name: BNX BETAPP-LN
(polypropylene) pellets

Section II • Composition/information on ingredients

<u>Name</u>	<u>CAS #</u>	<u>Concentration, %</u>
Polypropylene (PP)	9003-07-0	>95%
Beta Nucleant	Trade Secret	<5%
Polymeric Colorant	Trade Secret	<5%
Stabilizers	Trade Secret	<5%

Section III • Physical Data

Form: Pellets

Color: grey

Odor: None

Melting Temperature: >320° F (160° C)

Boiling Point: Not Applicable

Vapor Pressure: Not applicable

Specific Gravity(H₂O=1): ~ 0.9

Water Solubility: Insoluble

pH: Not tested

Section IV • Fire and Explosion Data

Flash point: >329°C (>625°F)
Decomposition Temperature: >350°C (>662°F)
Ignition: Not available
Flammable Limits (Air) Upper: Not available
Flammable Limits (Air) Lower: Not available
Auto-ignition Temperature: Not tested
Extinguishing Media: Foam Water Spray CO₂ Dry Chemical

Special Fire Fighting Procedures: Wear self-contained, positive pressure breathing apparatus and full fire-fighting protective clothing. Standard procedures for Class A fires. Extinguishing Media: Dry Chemical, Carbon Dioxide, Alcohol foam. Do not use high volume water jet.

Unusual Fire and Explosion Hazards: Avoid static discharges. Emits toxic fumes under fire conditions.

Hazardous Polymerization: stable unstable
 may occur may not occur

Major Contaminates that may contribute to instability: None known

Incompatibility: Strong oxidizing agents, strong acids, strong bases

Hazardous Decomposition Products: Thermal decomposition and burning may produce carbon monoxide, carbon dioxide, oxides of nitrogen, and other toxic compounds.

Section V • Special Protection

Ventilation Requirements: Good general ventilation (typical 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory protection may be needed in special circumstances such as poorly ventilated spaces, mechanical generation of dusts, heating, drying, etc.

Recommended personal protective equipment: Wear lab coat or coveralls.

Respiratory protection: In case of insufficient ventilation wear suitable respiratory equipment.

Eyes: Wear suitable goggles or face protection.

Gloves: Wear rubber or plastic gloves as standard handling procedures.

Section VI • Spill Control

Spill Procedures: Sweep or vacuum and place into a suitable container(s), which must be tightly sealed and properly labeled. Wear protective equipment specified above.

Waste Disposal Methods: Incinerate in a chemical incinerator equipped with an after-burner and scrubber. Follow all federal, state and local regulations.

Ecological information: Not determined

Biodegradability: Not biodegradable

Section VII • Health Effects Data

Oral LD50:

Acute oral toxicity in rats: >5000 mg/kg practically non-toxic

Dermal LD50:

Acute dermal in rats: >2000 mg/kg practically non-toxic

Emergency First Aid Procedures:

Eyes: Pellets may scratch eye surface. Flush eyes with plenty of water for at least 15 minutes if powder/dust gets into eyes. Get medical attention if irritation occurs.

Skin: Wash affected areas with plenty of water and mild soap for several minutes. Get medical attention if irritation occurs.

Ingestion: If swallowed, give at least 3-4 glasses of water, if possible with suspended activated carbon for medical use, but do not induce vomiting. If vomiting occurs, give water again. Do not give anything by mouth to an unconscious or convulsing person. Get medical attention.

Inhalation: Negligible hazard at ambient temperature. Vapors and/or aerosols which may be formed at elevated temperatures may be irritating to the eyes and respiratory tract. If inhaled, remove from area to fresh air. Get medical attention if respiratory irritation develops or if breathing becomes difficult. In case of indisposition, seek medical attention. In case of prolonged exposure, seek medical attention.

Other: Remove and wash contaminated clothing prior to reuse.

Section VIII • Special Precautions

HMIS Code: Health: 0 Flammability: 1 Reactivity: 0

NFPA Code: Health: 0 Flammability: 1 Reactivity: 0

Note: These ratings involve data and interpretations that may vary from company to company. The ratings are intended only for rapid, general identification of the magnitude of specific hazard. To deal adequately with the safe handling of this material, all the information contained in this MSDS must be considered.

Handling Precautions: Avoid ignition sources. Ensure good local exhaust ventilation. Do not eat, drink, or smoke in the workplace around this product. For industrial use only.

Shipping and storing precautions: Keep container tightly closed when not in use and during transport. Keep away from food and drink.

Personal Hygiene: Wash thoroughly after handling.

Section IX • Regulatory and Transport Information**US Federal Regulations**

DOT Proper Shipping Name: Not regulated as a hazardous material by the U.S. Dept. of Transportation (DOT) 49 CFR 172.101 Hazardous Materials Table.

DOT Class: None.

DOT Number: None.

Clean Air Act - Hazardous Air Pollutants (HAP): This product contains no hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act.

Clean Air Act – Ozone Depleting Substance (ODS): This product neither contains, nor was manufactured with, a Class I or Class II ozone depleting substance (ODS). We depend on our suppliers for this information.

Clean Water Act - Priority Pollutants (PP): This product contains no chemicals listed under the U.S. Clean Water Act Pollutant List.

RCRA Status: Not a hazardous waste under RCRA (40 CFR 261).

SARA/Title III: Section 302 – Extremely Hazardous Standard Substance (EHS): This product contains no chemicals regulated under Section 302 as extremely hazardous substances.

SARA/Title III: Section 304 – CERCLA: Organically bound copper compounds (N100) – RQ Not Established

SARA/Title III: Section 311/312- Hazard Communication Standard (HCS): This product is considered hazardous under the OSHA Hazardous Communication Standard (HCS) and is regulated under Section 311-312 (40 CFR 370). Its hazards are: Fire hazard.

SARA/Title III: Section 313 Toxic Chemical List (TCL): Organically bound copper compounds (N100)

TSCA Inventory Status: Chemical components listed on TSCA inventory.

TSCA Section 5 (e) – Consent Order / SNUR: This product is not subject to a Section 5 (e) Consent Order or Significant New Use Rule (SNUR).

TSCA Section 12 (b)- Export Notification: This product does not contain any chemicals subject to Section 12 (b) export notification.

Occupational Safety and Health Act (OSHA): This product is considered to be a hazardous chemical under the OSHA Hazard Communication Standard (29 CFR 1910.1200). The hazards are: Fire hazard.

FDA Regulations: This product has approval for various applications. See the Mayzo Product Data Sheet.

International Regulations

World Inventory Status:

<u>Country/Inventory</u>	<u>Listed</u>
Australian	yes
Canadian (DSL)	yes
European (EINECS)	yes
Korean (ECL)	yes
Japanese (ENCS)	yes
Philippines (PICCS)	yes

State Regulations

California Proposition 65: This product does not contain any chemicals currently on the California list of known carcinogens and reproductive toxins.

Massachusetts Right-To-Know Information: This product does not contain any chemicals which are subject to Massachusetts Right-To-Know disclosure requirement.

New Jersey Right-To-Know Law: The following is required composition information:

Chemical Name: Polypropylene

CASRN: 9003-07-0

% Composition: >95%

Pennsylvania Right-To-Know Law: The following is required composition information:

Chemical Name: Polypropylene

CASRN: 9003-07-0

% Composition: >95%

Comments: Not on Pennsylvania Hazardous Substance List

Section X • Other Information

Label Text: No information at the time of release.

This material is not intended for use in products for which prolonged contact with mucous membranes or abraded skin, or implantation within the human body is specifically intended, unless the finished product has been tested in accordance with the Food and Drug Administration and/or other applicable safety testing requirements. Because of wide range of such potential uses, Mayzo, Inc. is not able to recommend this material as safe and effective for such uses and assumes no liability for any such uses.

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