

SAFETY DATA SHEETProduct Name : Biodegradable Polypropylene
Revision Date : 2022-12-01SDS No. : HCT-SDS-004
Version : 1.0**SECTION 1: IDENTIFICATION/PREPARATION AND COMPANY**

Chemical Name	Biodegradable Polypropylene(BPP Resin)
Product Grade	JJ2100 series
Supplier	Shenzhen Hengchangtai Technology Company Limited
Address	Room1209-1210 Zhaofengxiang Business Building Dongfang Liye Road Songgang Subdistrict Baoan District Shenzhen
Contact Telephone	0755-29433391
Fax	0755-29433386
Email	easy@hkhansen.com
Emergency Telephone (National)	(86) 0755-29433391
Identified/ Prohibited uses	Identified uses: For industrial conversion as a raw material for manufacture of articles or goods.

SECTION 2: HAZARDS IDENTIFICATION

Hazard Classification:	The product is not classified according to the Globally Harmonized System (GHS) for classification and labeling of chemicals.
Primary Route(s) of Exposure:	Inhalation, Ingestion ,Eye, Skin Contact
Potential Health Effects Eye Contact:	No significant irritation expected other than possible mechanical irritation. Heated material can cause thermal burns. When heated to decomposition, it emits acrid smoke and irritating fumes.
Skin Contact:	No significant irritation expected other than possible mechanical irritation. Heated material can cause thermal burns.
Inhalation:	Exposure to airborne concentrations well above the recommended exposure limits may cause irritation of the nose, throat, and lungs. If heated to more than 300°C, the product may form vapors or fumes which could cause irritation of the respiratory tract, coughing, and shortness of breath.
Ingestion:	No significant health hazards identified.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**Ingredients**

中英文名称 Chinese and English name	均聚物聚丙烯 POLYPROPYLENE HOMOPOLYMER	共聚物聚丙烯 POLYPROPYLENE COPOLYMER
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化学式 Chemical Formula	$(C_3H_6)_n$	$(C_3H_6)_x-(C_2H_2)_Y$
化学文摘社登记号 CAS No.	9003-07-0	9010-79-1
危害成分 Hazardous ingredients	无 without	无 without
含量(%) content(%)	>99.0%	>99.0%
金属盐(%) Metal Salts(%)	<1%	<1%

SECTION 4: FIRST AID MEASURES

Eye Contact:	Immediately wash eyes with water for at least 15 min. Consult physician if irritation or other symptoms occur.
Skin Contact:	For serious burns, get medical attention. In case of skin contact with hot polymer, immediately immerse in or flush with clean, cold water.
Inhalation:	Remove to fresh air. Consult physician if irritation of respiratory passages occurs.
Ingestion	If ingested, dilute swallowed material by drinking water. Never give anything by mouth to an unconscious person. Get medical attention if irritation or other symptoms develop.
Other Instructions:	Treat symptomatically and supportively.

SECTION 5: FIRE FIGHTING MEASURES

Flash Point:	Not applicable
Extinguishing Media:	Dry chemical, carbon dioxide, foam, water spray.
Special Fire Fighting Procedure:	In the event of a fire, wear NIOSH approved, positive pressure, selfcontained breathing apparatus (SCBA) and full protective clothing. Extinguish fires with water, foam or dry chemical. Do not use water jet.
Unusual Fire and Explosion Hazards:	Avoid accumulation and dispersion of dust to reduce explosion potential. Fire may produce irritating gases and dense smoke.
Hazardous Combustion Products	When forced to burn, the major gaseous products of the combustion of plastic resin are carbon monoxide and carbon dioxide.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions	Restrict access to keep out unauthorized or unprotected personnel. Wear appropriate personal protective equipment during all clean-up activities. Avoid inhalation and direct contact.
Environmental Precautions:	Keep spilled material away from heat, sparks and open flames. Ensure adequate ventilation.

Methods for Clean-Up:	Collect spilled material using a method that minimizes dust generation (e.g., wet methods, HEPA vacuum). Place waste in an appropriate container for disposal. Use care during clean-up to avoid exposure to the material and injury from broken containers.
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SECTION 7: HANDLING AND STORAGE

Handling:	Maintain good housekeeping. Spilled materials may create a slipping hazard. Remove dust from settling areas to prevent any secondary potential dust explosion or fire hazards. Electrostatics charge may build up during handling. Grounding of equipment is recommended.
Storage:	Keep dry. Store away from extreme heat and away from strong oxidizing agent.
Container Use:	Keep containers closed to prevent contamination.

SECTION 8: EXPOSURE CONTROL AND PERSONAL PROTECTION

Engineering Control:	If user operations generate dust or fumes, ventilate area to prevent accumulation.
Eye Protection:	Safety glasses
Skin Protection:	Gloves required when handling hot material.
Respiratory Protection:	None required in normal use of product. NIOSH approved dust mask recommended if dusty conditions exist.
Hygiene Procedures:	Wash hands thoroughly after handling, especially before eating, drinking, smoking, chewing, or using restroom facility. Dusted clothing and shoes should be thoroughly cleaned before reuse.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical Form:	Pellets
Color	Translucent white
Odor	Odorless to faint, mild hydrocarbon odor
Boiling Point:	Not available
Melting Point:	Polypropylene Homopolymer: 150 - 170°C Polypropylene Copolymer: 120~170 °C
Auto-ignition temperature	Not applicable
Decomposition temperature	>400°C
Solubility in Water:	Insoluble
Specific Gravity:	0.90 g/cm ³ (water = 1)
Bulk Density:	400 - 600 kg/ m ³
Vapor Density:	Not applicable (air = 1)

Evaporation Rate:	Not applicable (Butyl Acetate = 1)
Vapor Pressure:	Vapor Pressure:
PH Value:	PH Value:
% Volatile:	% Volatile:

SECTION 10: STABILITY AND REACTIVITY

Stability	Stable
Condition to Avoid:	Strong oxidizers and excessive heat
Hazardous Decomposition Products :	Burning can produce carbon monoxide and/or carbon dioxide and other organic vapors.
Hazardous Polymerization:	Under normal conditions of storage and use, hazardous polymerization will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

The information provided below can be subject to misinterpretation. Therefore, it is essential the following information be interpreted by individuals trained in its evaluation.

Chemical	Toxicity Data
Polypropylene	No toxicology data available. Polypropylene is not considered hazardous materials under the OSHA Hazard Communication Standard

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:	No data available
Persistence and degradability	No data available
Bioaccumulative potential:	No data available
Mobility in soil:	No data available
Other adverse effects:	No data available

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal Method:	It must be disposed of in accordance with Federal, State and local environmental control regulations.
Recycle/Reclaim:	Recycling or reclamation of Polypropylene should be encouraged where possible.

SECTION 14: TRANSPORT INFORMATION

This product is not regulated as a hazardous material/dangerous good for all forms of transportation.

DOT:	Not Regulated for Land Transport
TDG:	Not Regulated for Land Transport
IMDG:	Not Regulated for Sea Transport
IATA:	Not Regulated for Air Transport

SECTION 15: REGULATORY INFORMATION

Chinese regulations	
Chemicals management regulations	regulation for environmental management of new chemicals IECSC : listed Rule for safe use of chemicals in workplaces
Chemicals related regulations and chemicals label information	GB15258-2009 General rule for preparation of precautionary labels for chemicals
Waste disposal regulations	Law of the People's Republic of China on the Prevention and Control of Solid Waste Pollution
Laws and regulations in other countries or regions	
Chemicals management regulations	—
Chemical related regulations and chemical labeling information	Regulatory information: EC classification: not included in the scope of dangerous goods in the EC standard. TSCA (USA): all the ingredients of this product are in accordance with the regulations. OSHA: This product is not dangerous. WHMIS (Canada): not a controlled substance. United States (SARA): This product is not subject to the requirements of SARA III. The United States (EPA): This product has not been included

SECTION 16: OTHER INFORMATION

Disclaimer of Liability:	<p>The information on this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, expressed or implied, regarding its correctness. Some information presented and conclusions drawn herein are from sources other than direct test data on the substance itself.</p> <p>The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with handling, storage, use or disposal of the product.</p> <p>This SDS was prepared for and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.</p>
Sources & References:	This Safety Data Sheet conforms to regulation 907/2006/EC (REACH). This product has been classified in accordance with European CLP regulations (1272/2008/EC) and the U.S. Hazard Communication standard(29 CFR 1910.1200).

DISCLAIMER

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Users should review the applicable Safety Data Sheet before handling the product.