Date of Issue 02/04/2025
Revision 3

SAFETY DATA SHEET

Polypropylene Pellets/ Resin

SECTION 1: Identification	
GHS Product Identifier:	**Polypropylene (PP)**
Product Form:	Pellets/ Resin
Other means of Identification:	Polypropylene Impact Copolymer Product Series 2000, 3000, 4000, & 8000
Recommended use of the chemical and restrictions on use:	Industrial applications/ Manufacture of plastic articles
Supplier Details:	
Company Name:	Pinnacle Polymers
Company Address:	PO Drawer E One Pinnacle Ave Garyville, La 70051
Email address of responsible person:	EH&S@pinnaclepolymers.com
Emergency Telephone Number:	CHEMTREC: 1800-424-9300 Pinnacle Polymers: 985-535-2983

Section 2: Hazard Identification

Classification of substance or mixture	
Classification (GHS – US)	Combustible Dust
Label Elements	
Signal Word (GHS – US)	Warning
Hazard Statements (GHS – US)	May form combustible dust concentration is air during processing and handling.
Precautionary Statements	
Prevention:	Not Applicable
Response:	Not Applicable
Storage:	Not Applicable
Disposal:	Not Applicable
Additional Label Elements	This production contains no substances subject to the reporting or planning requirement of SARA Title III. Dust can irritate eyes. Pellets may present a slipping hazard. Melted polymer may stick to skin creating burns. Static charges and discharges may be produced during product transfer. Base polymer contains the elements hydrogen and carbon.

Section 3: Composition/ information on ingredients

Substance/ Mixture:	Polymer
Common Name and Synonyms:	Polypropylene Block Copolymer Product Series 2000, 4000, 3000 & 8000
CAS Number:	9010-79-1
Product Code:	2000, 3000, 4000, & 8000

Ingredient Name	%	CAS Number
Propene, polymer with ethylene	> 99	9010 – 79 – 1
Proprietary Stabilizers	< 1	Trade Secrets

Section 4: First Aid Measures

Description of necessary first aid measures

Inhalation:	If there is excessive inhalation of fumes move person to fresh air. Get medical attention if symptoms continue.
Skin Contact:	If material is molten, do not pull molten polymer from skin. Cool with water. Get medical attention if burn is severe.
Eye Contact:	If material is molten cool with water and get medical attention. If material is dust rinse with water and get medical attention if symptoms persist.
Ingestion:	Remove material from mouth. Rinse mouth with water.

Most important symptoms and effects, both acute and delayed

Inhalation:	Nuisance dusts can be irritating to the upper respiratory tract. Irritating fume may form when the material is heated.
Skin Contact:	Contact with hot or molten material may cause thermal burns to the skin.
Eye Contact:	Dust from processing may cause irritation to the eyes. Contact to the eyes with molten material may cause thermal burns.
Ingestion:	Swallowed material should pose no hazard, but get medical attention if symptoms occur. May be a choking hazard.

Indication of any immediate medical attention and special treatment needed

No further information available.

Section 5: Firefighting Measures

Extinguishing media

Suitable extinguishing media:	Dry chemical extinguisher, carbon dioxide extinguisher, water spray/ mist
Unsuitable extinguishing media:	Do not use solid stream or jet. May cause fire to spread.

Special hazards arising from the chemical

Fire hazard:	May be combustible at high temperatures. May form combustible dust concentration in air.
Explosion hazard:	Dust explosion hazard. Airborne dust that is exposed to an ignition source may burn in open areas or explode in confined spaces.
Hazardous decomposition products in case of fire:	Release of carbon dioxide, carbon monoxide, and hydrocarbons.

Advice for firefighters

Firefighting instructions:	Remove all nonessential personnel from area. Do no use high pressure stream/ jet to extinguish fire. Be careful not to raise flammable dust during firefighting measures.
Protection during firefighting:	Self – contained breathing apparatus and protective firefighting clothing (bunker gear) should be worn if fighting the fire at a close proximity.
Other information:	Hot material may reignite, keep material wet until cooled.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures	
For non – emergency personnel:	Spilled material may create a slipping hazard. Remove material from walking/ working surfaces immediately.
For emergency responders:	Protective clothing may be necessary in certain incidents – see Section 8 for further information
Environmental precaution:	Recycle if possible. Do not dispose of this material into the environment. Do not allow material to enter public waterways.
Methods and materials for containment and clean up	
Small Spill:	Vacuum, sweep and shovel material into suitable containers. Recycle or dispose of in accordance with local, state and federal laws.
Large Spill:	Prevent spread of material. Vacuum, sweep and shovel material into suitable containers. Recycle or dispose of in accordance with local, state and federal laws. Inform local authorizes of any spread into sewage or open bodies of water. Avoid creating large amounts of dust in confined areas.

Section 7: Handling and Storage

Precautions for safe handling	
Protective Measures:	Maintain good housekeeping. Avoid spills and potential slipping hazards caused by pellets. Employees may be exposed to engulfment hazards when handling bulk materials. Do not store material near flammable substances. Provide adequate ventilation and dust control measures. Ground and bond transfer equipment and storage containers to dissipate static charges. Do not breathe gas, fumes, or vapors from this product. Wear protective clothing when handling hot or molten material.
Hygiene Measures:	Do not eat, drink or smoke while handling material. Wash hands and face after handling material.
Conditions for safe storage, including any incompatibilities	Avoid storing material near flammable materials. Keep away from strong oxide agents. Store in clean dry areas away from direct sunlight. Ground/ bond containers and transfer equipment.

Section 8: Exposure controls/personal protection

Occupational exposure limits	
Ingredient Name	Exposure Limits
Polypropylene (PP) Resin/ Pellets	**ACGIH TLV (United States).** Particulates Not Otherwise Specified TWA: 10 mg/m³ 8 hours. Form: Inhalable Particulates Not Otherwise Specified TWA: 3 mg/m³ 8 hours. Form: Respirable fraction **OSHA PEL (United States).** Particulates Not Otherwise Specified TWA: 5 mg/m³ 8 hours. Form: Respirable fraction Particulates Not Otherwise Specified TWA: 15 mg/m³ 8 hours. Form: Total
Exposure Controls	
Appropriate engineering controls	Work area should have adequate ventilation. If dust generation occurs during processing, local ventilation should be provided to prevent exposure.
Environmental exposure controls	Ventilation of dust must comply with local, state and federal regulation.
Individual protection measures	
Hand protection	Use proper hand protection when handling hot or molten material to prevent thermal burns.
Eye/ face protection	Safety glasses. Face shield may be need when handling hot or molten material to prevent thermal burns.
Skin and body protection	Wear proper protective clothing.
Respiratory Protection	Respiratory protection may be needed when handling material in areas that do not have adequate ventilation, or if vapors or fumes are present.

Section 9: Physical and Chemical Properties

Information on basic physical and chemical properties	
Physical State	Solid
Appearance	Pellets/Resin
Color	Translucent, opaque, or white
Odor	Odorless
Odor Threshold	No data available
pH	No data available
Melting Point	144° C to 165° C
Boiling Point	No data available
Freezing Point	No data available
Flash Point	No data available
Evaporation Rate	No data available
Flammability (solid, gas)	No data available
Lower and up flammability or explosive limit	No data available

Vapor pressure	No data available
Vapor density	No data available
Kinematic Viscosity	No data available
Relative density	No data available
Solubility	Insoluble in water
Partition coefficient: n-octanol/water	Insoluble in water and octanol
Auto ignition temperature	> 340° C
Decomposition temperature	>300° C
Possibility of hazardous reactions	No data available
Conditions to Avoid	Strong Oxidizing agents
Incompatible materials	Strong Oxidizing agents
Hazardous decomposition products	No data available

Section 10: Stability and Reactivity

Reactivity	No data available related to reactivity for this product or its ingredients
Chemical stability	The product is stable
Possibility of hazardous reactions	Hazardous reactions will not occur under normal operating and storage conditions. Dust may form explosive mixture in air.
Conditions to Avoid	Avoid dust formation/accumulation. Dust can cause eye irritation and explosive mixture in air. Avoid buildup of static charges. Heat, open flames, sparks and direct sunlight. Vapors or fumes can cause respiratory tract irritation.
Incompatible materials	Strong Oxidizing agents
Hazardous decomposition products	Hazardous decomposition products formed under fire conditions: carbon monoxide, carbon dioxide, toxic fumes.

Section 11:Toxicological Information

Information on the likely routes of exposure	Oral, Dermal, Inhalation
Acute Toxicity	Not classified
Skin or eye absorption	Exposure to dusts may cause eye irritation
Inhalation	Exposure to dusts, fumes or vapors may cause respiratory tract irritation.
Ingestion	No known effects or hazards
Carcinogenicity	Not classifiable as to its carcinogenicity to humans
Reproductive toxicity	Not classified
Specific target organ toxicity (single/repeat)	Not classified
Aspiration hazard	Not classified

Section 12: Ecological Information

Ecotoxicity	Wildlife, especially small fish may digest pellets. Pellets are not toxic, but may block the digestive tract and cause starvation or death.
Persistence and degradability	Biologically non-degradable. Degrades under long term exposure to sunlight and/ or heat
Bioaccumulative potential	Not known to be bio-accumulative
Mobility in soil	Low mobility
Other adverse effects	No known significant effects or hazards

Section 13: Disposal considerations

Disposal Methods	This product does not meet the RCRA criteria of a hazardous waste. Product can be recycled. Disposal should only be considered if no further recycling is possible. Dispose in accordance with local, state, and federal regulations.

Section 14: Transport information

UN Number	Not regulated
UN Proper shipping name	Not regulated
Transport Hazard class(es)	Not regulated
Packing group, if applicable	Not regulated
Marine pollutant (Yes/No)	No
Special precautions which a user needs to be aware of or needs to comply with in connection with transport or conveyance either within or outside their premises	No
Transport in bulk according to IMO instruments	Not available

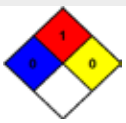
Section 15: Regulatory Information

U.S. Federal Regulations	
TSCA	All components of this product are listed or exempted from the United States Environmental Protection Agency Toxic Substances Control Act inventory.
SARA 302/304	No products were found
SARA 311/312	Fire Hazard
SARA 313	This product contains no exceedance of chemical concentration that are subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.
California Proposition 65	While Pinnacle Polymers (“Pinnacle”) has not tested for the presence of California Proposition 65 (“Proposition 65”) substances, our products are not known to contain cancer-causing chemicals as designated by Proposition 65. Pinnacle’s products may contain residual levels of n-hexane, which has been identified by the State of California as a potential cause of birth defects or other reproductive harm. Pinnacle does not believe that any residual level of n-hexane in articles produced from Pinnacle’s polypropylene exceeds the Maximum Allowable Dose Levels (“MADLs”). Nonetheless, proper ventilation, consistent with good manufacturing practices, should be used always during the melt processing of polypropylene.

Canada	All components of this product are listed or exempted from DSL (Domestic Substances List)
Europe	Not Known to contain substances of very high concern (SVHC). ROHS Compliant.

Section 16: Other Information

Hazardous Materials Information System (U.S.A.)	This information is intended solely for the use of individuals trained in the HMIS system.
HMIS III Rating	
Health	0
Flammability	1
Physical Hazard	0
Personal Protection	See section 8 of SDS
National Fire Protection Association (NFPA) Ratings	This information is intended solely for the use of individuals trained in the NFPA system.
NFPA (National Fire Protection Association)	
NFPA health hazard	0
NFPA fire hazard	1
NFPA reactivity	0



US OSHA LABEL as specified under 29 CFR §1910.1200 (f)

Polypropylene Homopolymer

Warning

If small particles are generated during further processing, handling or by other means, may form combustible dust concentrations in air. Supplemental Information: Based on conditions common to industrial workplace use of this product

Do not store near flammable substances. Bond/ ground transfer equipment to prevent static buildup. Spilled pellets may create a slipping hazard. Sweep up spillage and dispose of properly. Skin or eye contact with hot polymer can cause thermal burns. Processing the polymer at high temperatures may form vapors that irritate the eyes and respiratory tract.

The information contained herein is accurate to the best of our knowledge. Pinnacle Polymers makes no warranty of any kind, express or implied, concerning the safe use of this material in your process or in combination with other substances.