ULTRA-POLY CORPORATION

102 DEMI ROAD, P.O. BOX 330, PORTLAND, PA 18351-0330 (570) 897-7500 • (800) 932-0619 • Fax # (570) 897-7510

Safety Data Sheet (SDS)

Section 1. Identification

GHS Product Identifier: Recycled / Reprocessed Polypropylene (rPP) resin

Other Means of Identification: UP xx89 series; UPxx89 FDA series

Product Type: Pellet or Granular

Identified Uses: Plastic articles / parts made by industrial plastic processes

Restriction of Uses: All uses other than the identified uses.

Manufacturing Company Info : Ultra-Poly Corp.
102 Demi Rd, Portland PA 18351
(570)897-7500

Emergency Contact info: info@ultra-poly.com
(570)897-7500

Section 2. Hazard Identification

Classification of The Substance or Mixture

May form combustible dust concentrations in air

Label Elements

Hazard Pictograms: Not Applicable

Signal Word: Warning

Hazard Statements: Not Applicable

Precaution Statement

Prevention: Keep out of reach of children.
Keep away from any heat and ignition source.
Use equipment with proper designed such as ground, bond, dust removal, ventilated, etc to handle, transfer, and store the material.
Wear proper PPE during handling and wash hands thoroughly after
Keep a good housekeeping practice to prevent any slip and fall hazard
Avoid any release or spill to the environment

Response: IF SWALLOWED: Rinse mouth and do NOT induce vomiting. Contact local medical attention right away.
IF ON SKIN: Washing with enough water and soap. If any skin irritation occurs, contact local medical attention.
IF INHALED (fume from burning): Remove person to fresh air area and keep comfortable for breathing.
IF IN EYE: Rinse cautiously with clean water. Remove contact lenses if applicable.
(See Section 4 for more details)

Storage: Store in accordance with local/regional/national regulations. Avoid direct sunlight.

Disposal: Use proper containers following with local/regional/national/international regulations to dispose the material. Refer to the manufacturer for the information on recovery or recycling.

Classification system

NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme

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NFPA ratings (scale 0 - 4)

Health = 0
Fire = 1
Reactivity = 0

Supplement Label Elements

Keep container tightly closed. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Prevent dust accumulation.

Hazard(s) not otherwise classified

Molten material will cause skin burn. If the material thermally degrades or fire conditions, it will readily burn and emit irritating smoke.

If small particles are generated during further processing, handling, or by other means, combustible dust concentrations in air may form. Fine dust clouds may form explosive mixtures with air. Handling and/or processing of this material may generate a dust which can cause mechanical irritation of the eyes, skin, nose, and throat. In the event that combustible dust is generated, the hazard is posed only by the size of the particle not its chemical content because all the ingredients such as, process additives, filler, and pigment are totally encapsulated within the resin and cannot be released in pure form.

No ingredient(s) of unknown acute toxicity is intentionally used in this product.

Section 3. Composition/Information on Ingredients

Substance / Mixture: Polymer

Common Name and Synonyms: UP xx89 series; UPxx89 FDA series
rPP homopolymer, rPP random copolymer, rPP impact copolymer, FDA and non-FDA grades
This covers all natural, black, mixed color, or colored products. For product specific information please contact Ultra-Poly Sales Department.

CAS Number / Ingredients

Ingredient	CAS number	%
Polypropylene	9003-07-0	0 - 99
Ethylene/Propylene copolymer	9010-79-1	0 - 99
Poly (propylene-co-1-butene)	29160-13-2	0 - 99
Poly (propylene-co-1-butene-co-ethylene)	25895-47-0	0 - 99
Other propriety additives	-	0 - 10

*Any concentration shown as a range is to protect confidentiality or is due to batch variation.

Within the current knowledge of the supplier in the applicable concentrations, no additional ingredients are present which are classified as hazardous to health, and therefore, do not require reporting in this section.

Section 4. First Aid Measures

Description of necessary first aid measures

Eye contact: Immediately flush eyes with plenty of clean water, hold the eyelids open ensure adequate flushing. Remove any contact lenses. If irritation persists or other symptoms develop, seek medical attention.

Inhalation: Under normal conditions, solid material is not likely to be hazardous by inhalation. If symptoms persist, seek medical attention.

If affected by fumes from thermally degraded material, remove affected person from source of exposure and move into fresh air. Provide artificial respiration if the person is not breathing. Administer oxygen if the person has trouble in breathing. Seek medical attention.

Skin contact: Possible mechanical irritation after physical contact with cold material or any dust generated during the post process, wash with soap and water thoroughly if any discomfort irritation. If symptoms persist, seek medical attention.
If burned by contact with hot / molten material, immediately flush skin with large amounts of cold water, if possible, submerging in cold water, to dissipate the heat. Do not attempt to detach polymer adhering to the skin. Do not attempt to remove clothing attached with molten material. Immediately seeks medical attention for thermal burns.

Ingestion: Not a probable route of exposure. If in the unlikely event that ingestion occurs, follow common guidelines for ingestion first aid. Wash out mouth with water. Remove the person to fresh air area and keep comfortable for breathing. Seek medical attention.

See toxicological information (Section 11)

Section 5. Fire-Fighting Measures

Suitable Extinguishing Media: Water spray, dry chemical powder, carbon dioxide (CO2) or foam as appropriate for material in surrounding fire.

Unsuitable Extinguishing Media: Water jet. Avoid using direct streams of water on molten burning material to avoid scattering the material and spreading fire.

Specific Hazards Arising from the chemical: May be combustible at high temperature.
During post-processing or handling may form combustible dust concentrations in air. Any ignition source my pose an explosion hazard. Consult NFPA Bulletin 654, "Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids," for safe handling procedures.

Hazardous Thermal Decomposition Products: Carbon monoxide (CO) and/or carbon dioxide (CO2).
Other decomposition products such as oligomers, oxidized hydrocarbons, etc and organic vapors

Special Protective Actions for Fire-Fighters: In the case of fire, promptly isolate the scene by removing all persons from the vicinity of the incident. Use water spray to keep fire-exposed material cool. Relocate material from the fire area without any risk.

Special Protective Equipment for Fire-Fighters: As with any fire, wear NIOSH/MSHA approve positive pressure self-contained breathing apparatus with a full face-piece operated in positive pressure mode and full protective clothing.

Section 6. Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures: Isolate the area. Alert Stand-by emergency and fire fighting personnel. Dust deposits should not be allowed to accumulate on surfaces, as these may

form an explosive mixture if they are released into the atmosphere in sufficient concentration. Wear appropriate PPE during all clean-up activities. See section 8 for more information.

Environmental Precautions: Avoid dispersal of spilled material in runoff and contact with soil, waterways, drains and sewers.

Methods for Containment and Clean-Up: Collect spilled material mechanically. Place waste in an appropriate container for disposal per local/regional/national regulations. See Section 13 for additional information related to waste disposal.

Section 7. Handling and Storage

Precautions for Safe Handling: Avoid dust formation. Accumulations of dust should be removed from settling areas. Follow good engineering and work practices, including routine housekeeping. Promptly clean up spills to avoid slip and fall hazard. Use only in well ventilated areas.

Protection Against Fires and Explosions: Dust can combine with air to form an explosive mixture. Take precautions against static discharge and any ignition source. Transfer and store in properly bonded and grounded equipment / containers. To determine required precautions, consult applicable standards such as NFPA 654, Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids (latest edition), and NFPA 499, Recommended Practice for the Classification of Combustible Dusts and of Hazardous (Classified) Locations for Electrical Installations in Chemical Process Areas.

Conditions for Safe Storage: Store in closed, properly labeled, and designed containers (including silos, vessels, etc) and in accordance with all regulations and standards. Protect containers from sunlight, heat, physical damage, ignition sources and incompatible materials. Have emergency equipment for fires and spills readily available.

Section 8. Exposure Controls/Personal Protection

Control Parameters

Occupational Exposure Limits:

Use occupational exposure limits for dust when controlling exposure to this product.

Chemical Identity	Type (8-Hour TWA value)	Exposure Limits	Sources
Polypropylene	PEL (OSHA)	15*, 5** mg/m³	*total dust; **respirable dust
	TLV (ACGIH)	10§, 3§§ mg/m³	§inhalable dust; §§respirable dust

Exposure Controls: Not required under normal conditions of use

General Protective and Hygienic Measures: Wash thoroughly with water and soap after handling

Respiratory Protection: Not required under normal conditions of use

Hand Protection:
Work gloves

Eye/Face Protection:
Safety glasses (possible with face shield)

Body (Other) Protection: Protective work clothing. Proper footwear with good traction is recommend to prevent other potential hazards such as slipping

Additional Information:
If unusual exposures are expected, an industrial hygiene review of work practices, engineering controls and personal protective equipment is recommended.

Section 9. Physical and Chemical Properties

Appearance

Physical Form :	Pellet or granular.
Color :	Natural, colored, mixed color, or black
Odor :	Odorless to mild

Safe Data

pH :	Not applicable
Melting Point / Range :	302 - 374 °F (150 - 190 °C)
Boiling Point:	Not applicable
Freezing Point:	Not applicable
Flash Point:	Not applicable
Flammability (solid, gas) :	Polymer will burn but does not easily ignite. May form combustible dust concentrations in air during processing, handling or other means.
Autoignition Temperature :	> 572 °F (300 °C)
Decomposition Temperature :	Not determined
Lower Explosion Limit :	Not applicable
Upper Explosion Limit :	Not applicable
Vapor Pressure :	Not applicable
Relative Vapor Density :	Not applicable
Viscosity, dynamic :	Not applicable
Density :	0.890 to 0.919 g/cm^3
Evaporation Rate :	Not applicable
Water Solubility :	Insoluble
Oxidizing Properties :	Not applicable
Other Information :	No additional information available

Section 10. Stability and Reactivity

Reactivity:	No known reactive hazards under normal conditions of use
Chemical stability:	Stable under normal conditions of use
Possibility of hazardous reactions:	None under normal conditions of use
Conditions to avoid:	Exposure to elevated temperatures can cause product to decompose
Incompatible materials:	Strong oxidizing agent, chemicals, and solvent can react with or degrade the product
Hazardous decomposition products:	Decomposition products depend upon temperature, air supply and the presence of other materials. Processing may release fumes and other decomposition products. Fumes can be irritating. Decomposition products, organic vapors, can include and are not limited to: aldehydes, alcohols, organic acids, etc. Decomposition products can include trace amounts of Hydrocarbons.

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Section 11. Toxicological Information

Acute Toxicity: This product is not acutely toxic. Harmful effects not anticipated from swallowing small amounts. May cause choking if swallowed.

Skin Irritation: Not expected to cause skin irritation under normal condition at room temperature

Eye Irritation: Solid / dust may cause irritation or corneal injury due to mechanical action. Elevated temperatures may generate vapor (fume) levels sufficient to cause eye irritation. Effects may include discomfort and redness.

Respiratory Irritation: Dust and fume may cause respiratory irritation.

Sensitization/Allergic Reaction: No data available

Subchronic/Chronic Toxicity: No data available

Aspiration Hazard: No data available

Additional Toxicological Information: None

Section 12. Ecological Information

General Information: The products are expected to be inert to the environment. If ingested by waterfowl or aquatic life, it may cause adverse effects.

Aquatic Toxicity: No data available

Persistence and Degradability: No data available

Bioaccumulative Potential: No data available

Mobility in Soil: No data available

Other Adverse Effects: No know significant effects or critical hazards. The product is persistent in both aquatic and terrestrial environment.

Section 13. Disposal Considerations

Disposal methods:

DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY STROMWATER SYSTEM. All disposal practices must be in compliance with all Federal, State/Provincial, and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator. AS YOUR SUPPLIER, WE HAVE NO CONTROL OVER THE MANAGEMENT PRACTICES OR MANUFACTURING PROCESSES OF PARTIES HANDLING OR USING THIS MATERIAL. THE INFORMATION PRESENTED HERE PERTAINS ONLY TO THE PRODUCT AS SHIPPED IN ITS INTENDED CONDITION AS DESCRIBED IN THIS DOCUMENT. FOR UNUSED & UNCONTAMINATED PRODUCT, the preferred options include sending to a licensed and/or permitted recycler or reclaimer, incinerator or other thermal destruction device, and landfill facility.

Section 14. Transport Information

Ground Shipping

US DOT / CANADA TDG : Not Regulated

Ocean Freight

IMDG: Not Regulated

Air Freight

IATA / IACO: Not Regulated

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This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

Section 15. Regulatory Information

US Superfund Amendments and Reauthorization Act (SARA)	
355 – Extremely Hazardous Substances:	Not listed
313 – Specific Toxic Chemical Listings:	Not listed
US Toxic Substances Control Act (TSCA):	In compliance
Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs):	Not listed
Clean Air Act Section 602 Class I Substances:	Not listed
Clean Air Act Section 602 Class II Substances:	Not listed
DEA List I Chemicals (Precursor Chemicals):	Not listed
DEA List II Chemicals (Essential Chemicals):	Not listed

EPA Storm Water Regulations: Resin pellets are classified as "significant materials" and should be prevented from entering drains, ditches, basements, or waterways. Site emission reporting may be required, so please check applicable regulations.

OSHA HAZARD COMMUNICATION STANDARD: This material is not classified as hazardous in accordance with OSHA 29 CFR 1910.1200, if used for its intended purposes.

Section 16. Other Information

History:

Date of Issue:	03.30.2021
Revision:	01
Source of Reference(s):	Upon Request

Other Information:

Preventing Pellet Loss

Please refer to Operation Clean Sweep at http://www.opcleansweep.org/ for access to published plastic industry publications and resources on preventing pellet loss.

Disclaimer:

The information presented herein is believed to be factual as it has been derived from the works and opinions of persons believed to be qualified experts: however, nothing contained in this information is to be taken as a warranty or representation for which Ultra-Poly Corporation bears legal responsibility. The user should review any recommendations in the specific context of the intended use to determine whether they are appropriate. Ultra-Poly Corporation assumes no legal responsibility for loss, damage or expense arising out of, or in any way connected with, the handling, storage, use or disposal of this product.