Polypropylene Homopolymer

Safety Data Sheet

MarPol

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name:	Polypropylene Homopolymer
Synonyms:	1-propene homopolymer, PP-HP
Product Code:	HPP
CAS Number:	9003-07-0
Product Use:	Resin, extrusion and compounding, plastic molding, molded articles, films and coatings
Company Identification:	MGI INTERNATIONAL, LLC 1121 Walt Whitman Rd, Suite #301, Melville, NY11747 Phone (631) 629-4520 Fax (631) 629-4519

2. HAZARDS IDENTIFICATION, CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

GHS Classification:
Combustible dust. May form combustible dust concentrations in air.

Other Hazards:
Molten material may cause thermal burns.

Product is supplied as pellets. If product is milled or ground, dust may form an explosive atmosphere when dispersed in air.

Hazard Pictograms: Not Applicable

Signal Word: WARNING

NFPA Ratings (scale 0 - 4):
Health = 0
Fire = 1
Reactivity = 0

3. COMPOSITION INFORMATION

Substances*:
CAS No. Description
9003-07-0 propylene homopolymer (>99%)

*Contains: Stabilizers

4. FIRST-AID MEASURES

General information: Provide symptomatic and supportive care.

After Inhalation: Remove victim to fresh air. Administer oxygen if breathing is difficult. Administer artificial respiration if breathing has stopped. Get medical assistance if irritation or other symptoms develop.

4. FIRST-AID MEASURES

After Skin Contact: After contact with the molten product, cool rapidly with cold water. Do not pull solidified product away from the skin. Get medical attention.

After Eye Contact: In case of accidental contact, immediately flush eyes with water. Hold eyelids open to ensure adequate flushing. Get medical assistance if irritation or other symptoms develop.

After Swallowing: Administer 1-2 glasses of water to dilute ingested material. Never give anything by mouth to an unconscious person. Get medical attention.

Most Important Symptoms and Effects: No further relevant information available.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Agents: CO2, extinguishing powder or water spray. Fight larger fires with water spray.

Special Firefighting Hazards: Product is supplied as pellets. If product is milled or ground, dust may form an explosive atmosphere when dispersed in air.

Protective Equipment: In the event of a fire, wear a NIOSH (USA) or CEN (EU) approved self-contained breathing apparatus (SCBA) and full protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures: Wear appropriate personal protective equipment during all clean-up activities. See Section 8 for more information.

Environmental Precautions: Keep spilled material out of sewage/drainage systems and waterways.

Methods for Containment and Clean-Up: Collect spilled material mechanically.Place waste in an appropriate container for disposal.

7. HANDLING AND STORAGE

Precautions for Safe Handling:
Material is in a pellet form. If converted to small particles during further processing, handling, or by other means, may form combustible dust concentrations in air.

Avoid dust accumulation in enclosed space. Use dust collection systems designed per NFPA 654 to avoid dust accumulation.

Avoid generating dust. Fine dust suspended in air and in the presence of an ignition source is a potential dust explosion hazard. Static discharge (spark), or other ignition sources, in high dust environments may ignite the dust and result in a dust explosion

Electrostatic charge may build during conveying or handling. Equipment handling polymer should be conductive and grounded (earthed) and bonded.

7. HANDLING AND STORAGE

Metal containers involved in the transfer of this material should be grounded and bonded. All electrical equipment should conform to applicable electric codes and regulatory requirements for areas handling combustible dusts. After handling, always wash hands thoroughly with soap and water.

When bringing the material to processing temperatures vapors may develop may condense in the exhaust ventilation. Refer to NFPA 654, Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids, for safe handling.

Protection Against Fires and Explosions: Dust can combine with air to form an explosive mixture.

Conditions for Safe Storage: Store in closed, properly labeled containers. Protect containers from heat, physical damage, ignition sources and incompatible materials. Have emergency equipment for fires and spills readily available.

Additional Information: If you do not understand the hazards or safety precautions described in this data sheet, contact your supervisor or safety administrator before handling this product.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits:

Materials that can be formed when handling this product:	Nonspecified (inert or nuisance) dust
Type:	TWA
Limit Value:	10 mg/m³ inhalable 3 mg/m³ respirable 15 mg/m³ total dust 5 mg/m³ respirable
Basis Revision Date:	US (ACGIH) 2005
Additional Information:	No additional information

Engineering Controls:
Follow the recommendations in NFPA 654 (as amended and adopted) for equipment used to handle this product. Engineering controls, i.e. enclosed systems, should be used whenever feasible to maintain exposures below acceptable criteria. When such controls are not feasible, or sufficient to achieve full conformance, other engineering controls such as local exhaust ventilation should be used.

Equipment and vessels handling combustible dust from this material should be designed to either prevent dust explosions (inerting) or safely vent dust explosions per NFPA 654. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment).

8. EXPOSURE CONTROLS/PERSONAL PROTECTION (cont.)

Exposure Controls: None required under normal conditions of use.

General Protective and Hygienic Measures: Wash thoroughly after handling.

Respiratory Protection: None required under normal conditions of use.

Hand Protection: Work gloves

Eye/Face Protection: Safety glasses with side shields

.Body Protection: Protective work clothing

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

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Pellets, Granular
Color	White
Odor	Odorless, slight
Odor Threshold	Not applicable
pH value	Not determined
Melting point/range	130 °C (266 F)
Flash point	422 °C (792 F)
Autoignition Temperature	425 °C (797 F)
Decomposition Temperature	Not determined
Lower explosion limit (LEL)	425 °C
Vapor Pressure	Not determined
Density at 20 °C (68 F)	0.9 g/cm³ (7.511 lbs/gal)
Vapor Density	Not applicable
Solubility in water	Insoluble

10. STABILITY AND REACTIVITY

Chemical Stability/Reactivity: Stable under anticipated conditions of use.

Conditions to Avoid: Stable up to melting point.

Possibility of Hazardous Reactions/Incompatible Materials: No dangerous reactions known.

Hazardous Decomposition Products: No dangerous decomposition products known.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity: This product is not acutely toxic.
Skin Irritation: Not expected to cause skin irritation.
Eye Irritation: Mechanical eye irritation.

11. TOXICOLOGICAL INFORMATION (cont.)

Respiratory Irritation: May cause respiratory irritation.
Sensitization/Allergic Reaction: No data available.
Subchronic/Chronic Toxicity:
Carcinogenicity: Not classified
Not listed by IARC, NTP, OSHA or EPA.
Germ cell mutagenicity: Not classified

Reproductive toxicity
Effects on fertility / Effects on or via lactation: Not classified
Effects on Development: Not classified
Aspiration hazard: Not applicable

12. ECOLOGICAL INFORMATION

Persistence and Degradability: Not expected to be biodegradable

Bioaccumulative Potential: This material is not expected to bioaccumulate

Mobility in soil: no data available

Additional ecological information: Ecotoxicity is expected to be minimal based on the low water solubility of polymers. No data available on this product. However, birds, fish and other wildlife may eat pellets which may obstruct their intestinal tracts.

13. DISPOSAL CONSIDERATIONS

Disposal Instructions:
Dispose of waste in accordance with applicable laws and regulations.
Maximize product recovery for reuse or recycling.

14. TRANSPORT INFORMATION

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

15. REGULATORY INFORMATION

U.S. Superfund Amendments & Reauthorization Act (SARA) 355 (Extremely Hazardous Substances):
Substance is not listed.

U.S. Superfund Amendments & Reauthorization Act (SARA) 313 (Specific Toxic Chemical Listings):
This material contains no chemicals subject to the supplier notification requirements of the SARA 313 Toxic Release Program.

U.S. Toxic Substances Control Act (TSCA 12b):
No substances are subject to TSCA 12(b) export notification requirements.

15. REGULATORY INFORMATION

U.S. Superfund Amendments & Reauthorization Act (SARA) 302/304:
This product contains no known chemicals regulated under SARA 302/304.

Canadian Domestic Substances List (DSL):
Substance is listed.

California Proposition 65
This material does not contain listed substance(s) known to the State of C other reproductive harm that would require warning under the California Toxic Enforcement Act.

Other international regulations

Global Inventory Status
The ingredients of this product are compliant with the following chemicals

Australia	AICS	Compliant
Canada	DSL	Compliant
China	IECSC	Compliant
Japan	ENCS	Compliant
Korea	KECI	Compliant
New Zealand	NZIoC	Compliant
Philippines	PICCS	Compliant
United States of America	TSCA	Compliant
Taiwan	TCSCA	Compliant

*Additional Explanatory Status Statements follow the table, as necessary

16. OTHER INFORMATION

Caution do not use Global Plastics materials in applications involving implantation within the body direct or indirect contact with the blood pathway, contact with bone tissue fluid, blood or prolonged contact with mucus membranes. Global Star Plastics. materials are not designed or manufactured for use in implantation in the human body or in contact with internal body fluids or tissues. Global Plastics will not provide to customers making devices for such applications any notice, certification or information necessary for such medical device use required by FDA regulation or any other statute. Global Plastics makes no representation, promise, express warranty or implied warranty concerning the suitability of these materials for use in implantation in the human body or in contact with internal body tissues or fluids.

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