Formosa Plastics Corporation, U.S.A.

Material Safety Data Sheet

1. PRODUCT IDENTIFICATION

Product Name:	**Formolene® Polypropylene Homopolymer Plastic Resin**
Synonyms:	1-propene homopolymer
Manufacturer:	Formosa Plastics Corp., Texas 201 Formosa Drive Point Comfort, TX 77978
Telephone:	+1 (361) 987-7000
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E-Mail:	MSDS@fpcusa.com
Emergency Contact:	CHEMTREC (24 hrs) at +1 (800) 424-9300 (United States, Canada, Puerto Rico, Virgin Islands) or +1 (202) 483-7616 (Other Countries)
Product Code:	All grades
Product Use:	Resin, extrusion and compounding, plastic molding, molded articles, films and coatings.
Physical Description:	Translucent, white pellets
Formula:	$(C_3H_6)_n$

2. HAZARD IDENTIFICATION

Emergency Overview:

- Solid particles may cause transient irritation from mechanical abrasion.
- Molten material may cause thermal burns.
- Dust may form an explosive atmosphere when dispersed in air.

3. PRODUCT INGREDIENTS

Components		Percent (%)
Polypropylene Homopolymer		99.5+
CAS Number:	9003-07-0	
GHS Classification:	Not hazardous according to GHS criteria.	

4. FIRST AID MEASURES

Eye Contact: Immediately flush eyes with water for at least 15 minutes. Hold eyelids open to ensure adequate flushing. Do not rub the eyes. Get medical attention if irritation develops.

Skin Contact:	Wash affected skin area with soap and water. Get medical attention if irritation develops.
Inhalation:	Remove to fresh air. Get medical attention if irritation or other symptoms develop.
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.

5. FIRE-FIGHTING MEASURES

Flash Point:	792 °F (422 °C)
Autoignition Temperature:	797 °F (425 °C)
Extinguishing Media:	Dry chemical, foam, water or carbon dioxide.
Special Fire Fighting Procedure:	In the event of a fire, wear a NIOSH (US) or CEN (EU) approved, positive pressure, self-contained breathing apparatus (SCBA) and full protective clothing. Evacuate all non-essential personnel from the danger area.
Unusual Fire and Explosion Hazards:	Product is supplied as pellets. However, if product is ground, dust may form an explosive atmosphere when dispersed in air.
Hazardous Combustion Products	When forced to burn, the major gaseous products of the combustion of plastic resin are carbon monoxide and carbon dioxide.

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.

7. HANDLING AND STORAGE

Handling:	Use with adequate ventilation. Avoid dust generation. Avoid contact with eyes and skin. Accumulations of dust should be removed from settling areas.
Storage:	Store in a cool, dry, well-ventilated area or silo away from sources of heat, flame and sparks. Ventilate enclosed storage areas, such as trailers and railcars, before entering. Have emergency equipment for fires and spills readily available.

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

Eye Protection:	Wear safety glasses with side shields, goggles or face shield.
Skin Protection:	Wear appropriate gloves when handling hot material.
Respiratory Protection:	None required under normal conditions of use.
Engineering Controls:	Use local exhaust ventilation during dust producing operations.
Required Work/Hygiene Procedure:	Wash hands thoroughly after handling. Do not eat, drink or smoke in work area. If unusual exposures are expected, an industrial hygiene review of work practices, engineering controls and personal protective equipment is recommended.

Exposure Guidelines:

OSHA PEL-TWA:	15 mg/m^3 (total dust), 5 mg/m^3 (respirable dust)
ACGIH TLV-TWA:	10 mg/m^3 (total dust), 3 mg/m^3 (respirable dust)

9. PHYSICAL / CHEMICAL PROPERTIES

Physical Form:	Pellets
Color:	Translucent white
Odor:	Odorless
Molecular Weight:	Not determined
Boiling Point:	Not determined
Melting Point:	248 - 338 °F (120 – 170 °C)
Freezing Point:	Solid material
Solubility in Water:	Insoluble
Specific Gravity:	0.90 (*water = 1*)
Vapor Density:	Not applicable (*air = 1*)
Evaporation Rate:	Not applicable (*butyl acetate =1*)
Vapor Pressure:	Not determined
% Volatile:	Not applicable
pH:	Not determined

The physical data included above are typical values and should not be construed as a specification.

10. STABILITY & REACTIVITY

Stability:	Stable under recommended storage conditions.
Conditions to Avoid:	Keep away from strong oxidizing agents.
Hazardous Decomposition:	Not expected to occur.
Hazardous Polymerization:	Not expected to occur.

11. TOXICOLOGY INFORMATION

Primary Route(s) of Exposure: Eye and skin contact.

Potential Health Effects:

Eye Contact:	Solid particles may cause transient irritation from mechanical abrasion.
Skin Contact:	Not expected to cause skin irritation. Molten material may cause thermal burns.
Inhalation:	Not a likely route of exposure. Process fumes may cause irritation.
Ingestion:	May cause a choking hazard if swallowed.

Carcinogenicity: The components of this product are not classified as carcinogenic by OSHA, NTP or IARC.

Medical Conditions Aggravated by Overexposure: Exposure may aggravate disorders of the eyes, skin, gastrointestinal tract, and respiratory system.

12. ECOLOGICAL INFORMATION

Ecotoxicity: No data are available on the adverse effects of this material on the environment.

13. DISPOSAL CONSIDERATIONS

Disposal Method: This product must be disposed of in accordance with Federal, state and local environmental regulations.

Recycling/Reclamation: Recycling or reclamation of polyethylene resins should be encouraged where possible.

14. TRANSPORTATION INFORMATION

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

Proper Shipping Name:	Not listed.
Hazard Label:	Not applicable
Hazard Class:	Not regulated
UN/NA Number:	Not applicable
Hazard Placard(s):	Not applicable
Packing Group:	Not applicable
EPA Reportable Quantity (RQ):	Not applicable
Emergency Response Guide:	Not applicable

15. REGULATORY INFORMATION

U.N. GHS Classification & Labeling Information:

Classification: Not hazardous according to GHS criteria.

NFPA 704 Information:

Health Rating:	0
Flammability Rating:	1
Reactivity Rating:	0
Other Hazards:	Not applicable

U.S. Federal Regulatory Information:

EPA Clean Air Act:	Not listed
EPA Clean Water Act:	Not listed
TSCA:	The ingredients of this product are listed on TSCA inventory (40 CFR 710).
RCRA:	This product as supplied is not considered a RCRA hazardous waste.
CERCLA RQ:	Not listed
SARA Title III § 302:	None
SARA Title III § 311/312:	None
SARA Title III § 313:	Not listed

European Union Regulatory Information:

Classification:	Not hazardous according to EU criteria.

Canadian Regulatory Information:

Classification:	Not hazardous according to WHMIS criteria.
Domestic Substances List (DSL):	Listed

16. OTHER INFORMATION

European Union Compliance: This MSDS conforms to regulations 1907/2006/EC (REACH). This product has been classified in accordance with 67/548/EEC, 1999/45/EC, 1272/2008 (CLP) and amendments.

Prepared By: Formosa Plastics Corporation USA
Corporate Environment, Safety & Communications Department

Revision History: The February 3, 2014 version of this MSDS contains revisions to the following sections:

- No changes from previous version

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