Safety Data Sheet (SDS)
PhoenixPro-Polypropylene

SECTION 1: PRODUCT AND COMPANY INFORMATION

Material Difference Technologies LLC, 1401 Manatee Ave W, Suite 1015, Bradenton FL 34205 (888) 818-1283

Product Family: Polymer
Trade Names: Polypropylene - PP
Recommended Uses: Resin, extrusion and compounding, plastic molding, molded articles, films and coatings.

Emergency Phone Number
for Spill, Leak, Fire, Exposure, or Accident
Call CHEMTREC Day or Night
1-800-424-9300 / +1 703-527-3887 CCN702922

SECTION 2: HAZARD IDENTIFICATION

EMERGENCY OVERVIEW			
GHS CLASSIFICATION	Non-hazardous	**HMIS**	
Physical State	Solid	**HEALTH**	**0**
Color	Black	**FLAMMABILTY**	**1**
Odor	Mild	**PHYSICAL HAZARD**	**0**
		PERSONAL PROTECTION	**See Section 8**

Primary Routes of Exposure Eyes or skin contact
Potential Health Effects
Acute Effects
Inhalation Health injuries not expected. Not a probable route of exposure under ordinary conditions.
Skin contact Health injuries not expected. Possible mechanical irritation.
Eye contact Health injuries not expected. Possible mechanical irritation from dust or powder.
Ingestion Health injuries not expected. Not a probable route of exposure.
Chronic effects Ongoing exposure may aggravate acute effects.
Carcinogenicity See Section 11.
Medical conditions aggravated by long term exposure Ongoing exposure may aggravate acute effects.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Component:	CAS Number:	Percentage:
Polypropylene, PP	CAS# 9003-07-0	75 - 90 (+/-)
Calcium Carbonate	CAS# 471-34-1	10 - 20 (+/-)
Titanium Dioxide	CAS# 13463-67-7	< 5 (+/-)

SECTION 4: FIRST AID MEASURES

Skin Contact: If in contact with solid material, wash with soap and water. If in contact with molten material, submerge injured area in cold water. Do not attempt to remove material adhering to the skin. Get medical attention if irritation develops or persists.
Eye Contact: Flush eyes with plenty of water. Get medical attention if irritation develops or persists.
Inhalation: This material is not likely to be hazardous by inhalation. Consult a physician if symptoms develop or persist.
Ingestion: Not a probable route of exposure.

Section 5: Fire Fighting Measures

Use water fog, dry chemical, carbon dioxide or foam as appropriate for materials in surrounding fire. Avoid using direct streams of water on molten burning material as it may scatter and spread the fire. Melts in proximity to fires resulting in slippery floors and stairs. Static charges or on powders or powders in liquids may ignite combustible atmospheres. Airborne dusts of this product in an enclosed space and in the presence of an ignition source may constitute an explosion hazard. See 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. As in any fire, wear NIOSH/MSHA approved positive pressure self-contained breathing apparatus and full protective clothing. Watch footing on floors and stairs because of possible spreading of molten material.

Section 6: Accidental Release Measures

Refer to Section 8: Exposure Control and Personal Protection

Emergency Action:

No special environmental precautions required.

Spill/Leak Procedure:

Containment of this material should not be necessary. Sweep up or gather material and place in appropriate container for disposal.

Section 7: Handling and Storage

Refer to Section 8: Exposure Control and Personal Protection

Handling: Keep away from heat, flame and strong oxidizing agents.
Storage: Keep away from heat, sparks, and flame. Store in a cool place in original container and protect from sunlight.

Section 8: Exposure Control and Personal Protection

Engineering Controls:

Use recommended safe handling practices to minimize unnecessary exposure. General room ventilation is adequate for storage and ordinary handling. Use local exhaust at points of fume generation or if dusty conditions prevail.

Personal Protective Equipment:

Wear safety glasses with side shields or chemical goggles to prevent eye contact. Have eye-washing facilities readily available where eye contact can occur. Do not wear contact lenses when working with this substance. Wear impervious gloves and protective clothing to prevent skin contact. Use NIOSH or MSHA approved equipment.

Section 9: Physical and Chemical Properties

Boiling Point:	Not determined	**Vapor Density (Air = 1):**	Not applicable
Specific Gravity (@ 23°C):	0.850-0.950	**Soluble (% in Water):**	Negligible
Melting Point:	130 – 170 °C	**Appearance:**	Solid
Evaporation Rate:	Not applicable	**Odor:**	Characteristic waxy
Vapor Pressure:	Not applicable	**pH:**	Not applicable
Odor Threshold:	Not determined	**Auto Ignition Temperature:**	>400 °C
Solubility in water:	Negligible	**Viscosity (SUS @ 100°F):**	Not applicable
Decomposition Temperature:	Not determined	**Flash Point (Closed Cup):**	>300 °C
Ventilation: Flammability Limits in Air (% by Volume)		**Lower:** Not applicable	**Upper:** Not applicable

Section 10: Stability and Reactivity

Reactivity: Not reactive under normal conditions of storage and use.
Chemical Stability: Stable under normal conditions of storage and use. Avoid exposure to open flame or exceeding recommended processing conditions.
Stability/Incompatibility: Avoid contact with strong oxidizers, strong acids or flammable materials.
Conditions to Avoid: Avoid dust-air mixtures or static charge buildup. Avoid contact with incompatible materials such as oxidizing agents or amines.

Hazardous Reactions/Decomposition Products:

Material does not decompose at ambient temperatures. Combustion or high heat may produce thermal decomposition products that may include carbon monoxide, carbon dioxide, dense smoke, and other toxic vapors.

SECTION 11: TOXICOLOGICAL INFORMATION

Likely Routes of Exposure:	Eyes and skin contact.
Acute Effects:	Mechanical irritation of eyes and skin. Oral Toxicity LD50 Not Available; Inhalation Toxicity LD50 Not Available.
Chronic Effects:	None known.
Symptoms:	Irritation of eyes and skin.
Carcinogenicity:	This product has not been found to be carcinogenic by the NTP, ACGIH, IARC or OSHA.
Further information	This product has no known adverse effect on human health.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:	No known or expected ecotoxicity
Persistence and Biodegradability:	Not determined.
Bioaccumulative Potential:	Not determined.
Mobility in Soil:	Not determined

SECTION 13: DISPOSAL CONSIDERATION

Dispose of this product in compliance with all applicable federal, state and local regulations. The unused product is not specifically listed by EPA as a hazardous waste (40 CFR, Part 261D), nor is it formulated to contain materials which are listed as hazardous wastes. It does not exhibit the hazardous characteristics of ignitability, corrosivity or reactivity and is not formulated with contaminants as determined by the Toxicity Characteristic Leaching Procedure (TCLP).

SECTION 14: TRANSPORT INFORMATION

Refer to Section 6: Accidental Release Measures

D.O.T. 49 CFR 172.101:	Not regulated
TDG:	Not regulated
UN Proper Shipping Name/Number:	Not regulated
IMDG:	Not regulated
IATA:	Not regulated

SECTION 15: REGULATORY INFORMATION

SARA TITLE III Information:
Hazard categories for the Superfund Amendments and Reauthorization Act (SARA) Section 311/312/313 (40 CFR 370):

Immediate Hazard: No **Delayed Hazard:** No **Fire Hazard:** No **Pressure Hazard:** No **Reactivity Hazard:** No

SECTION 16: OTHER INFORMATION

Notice: The information presented herein is based on data considered to be accurate as of the date of preparation of this Safety Data Sheet; however, no warranty or representation, expressed or implied, is made as to the accuracy or completeness of the foregoing data and safety information, nor is any authorization given or implied to practice any patented invention without a license. In additional, no responsibility can be assumed by vendor for any damage or injury resulting from abnormal use, from any failure to adhere to recommended practices, or from any hazards inherent in the nature of the product.

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