Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Identification: Polypropylene Homopolymer  Synonyms: 1- propene homopolymer, PP-HP

Product Code: 1 ----, 4 ----, 5 ----

CAS Number: EC Number
9003-07-0  618-352-4

1.2 Recommended Use and restrictions on use: Laboratory Test Sample

1.3 Supplier: Clark Laboratories
1801 Route 51 South
Jefferson Hills, PA 15025
412-387-1634
E-Mail: MSDS@fpcusa.com

European REACH Representative: Intertek France
Business Division: Polypropylene

1.4 Emergency Telephone number:
In case of a chemical emergency, contact CHEMTREC (24 hrs) at:
+1 (800) 424-9300
+1 (703) 741 5970 (International Collect)

Section 2: Hazards Identification

2.1 Classification of the substance or mixture:
Combustible dust. May form combustible dust concentrations in air.

2.2 GHS Label elements, including precautionary statements:
Molten material may cause thermal burns.

Hazard Pictograms: Not Applicable

Signal Word: WARNING

Precautionary Statements:
Product is a static accumulator.
P240 Ground and bond containers and receiving equipment.
P210 Keep away from sparks and open flame.

NFPA Ratings (scale 0 - 4):

![NFPA Rating Icon]

- Health = 0
- Fire = 1
- Reactivity = 0

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.

(Contd. on Page 2)
Section 3: Composition/Information on Ingredients

3.1 Substances:

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>9003-07-0</td>
<td>polypropylene (&gt;99%)</td>
</tr>
</tbody>
</table>

Section 4: First Aid Measures

1.1 Description of first aid measures: 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.

**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.

4.2 Most important symptoms and effects: No further relevant information

Section 5: Firefighting Measures

5.1 Suitable (and unsuitable) extinguishing media:
CO2, extinguishing powder or water spray. Fight larger fires with water spray.

Special Firefighting Hazards:
Product is supplied as pellets. Dust formed during processing or handling may form combustible dust concentrations in air.

5.3 Special protective equipment and precautions for firefighters:
In the event of a fire, wear a NIOSH (USA) or CEN (EU) approved self-contained breathing apparatus (SCBA) and full protective clothing.

Section 6: Accidental Release Measures

6.1 Personal Precautions, Protective Equipment and Emergency
Avoid dust formation. 
Wear appropriate personal protective equipment during all clean-up activities. See Section 8 for more information.
Section 7: Handling and Storage

7.1 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.
- Transfer and store in properly bonded and grounded 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.

7.2 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.

Specific End Uses: Resin, extrusion and compounding, plastic molding, molded articles, films and coatings.

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.

Section 8: Exposure Controls/Personal Protection

8.1 Control Parameters:
Use occupational exposure limits for dust when controlling exposure to this product.

9003-07-0 polypropylene
PEL (USA) Eight-Hour Value: 15*, 5** mg/m³
*as total dust; **as respirable dust

TLV (USA) Eight-Hour Value: 10*, 3** mg/m³
*as inhalable dust; **as respirable dust

8.2 Appropriate Engineering controls: None required under normal conditions of use.

8.3 Individual protection measures/Personal protective equipment: Wash thoroughly after handling.
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 personal protective equipment is recommended.

Section 9: Physical/Chemical Properties

Form: Solid
Color: White
Odor: Odorless
Odor Threshold: Not applicable.

pH Value: Not determined.
Melting Point: 130 °C (266 °F)
Boiling Point: Not determined.
Flash Point: 422 °C (791.6 °F)

Autoignition Temperature: 425 °C (797 °F)
Decomposition Temperature: Not determined.
Lower Explosive Limit (LEL): 425
Upper Explosive Limit (UEL): Not determined.

Vapor Pressure: Not determined.
Density at 20 °C (68 °F): 0.9 g/cm³ (7.51 lbs/gal)

Vapor Density: Not determined.
Evaporation Rate: Not applicable.
Solubility in Water: Insoluble.

Partition Coefficient (n-octanol/water): Not determined.
Viscosity: Not determined.
Safety Data Sheet
according to 29 CFR 1910.1200 and 1907/2006/EC, Article 31

Product Identifier: Polypropylene Homopolymer

(Contd. from Page 4)

Section 10: Stability and Reactivity

10.1 Reactivity: Stable under anticipated conditions of use.
10.4 Conditions to Avoid: Stable up to melting
10.3 Possibility of Hazardous Reactions/Incompatible Materials: No dangerous reactions
10.6 Hazardous Decomposition Products: No dangerous decomposition products

Section 11: Toxicological Information

11.1 Information on toxicological effects
This product is not acutely toxic.

Eye Irritation: Mechanical eye irritation.

Respiratory Irritation: May cause respiratory irritation. Sensitization/Allergic Reaction: No data available. Subchronic/Chronic Toxicity: No data available. Additional Toxicological Information:

Substances Classified by IARC (International Agency for Research on Cancer):
An IARC group 3 agent is not classifiable as to its carcinogenicity in humans.

Section 12: Ecological Information

12.1 Toxicity: No data available.
12.2 Persistence and Degradability: No data
12.3 Bioaccumulative Potential: No data

Section 13: Disposal Considerations

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

Section 14: Transport Information

UN Number:
DOT, ADR, IMDG, IATA Not Applicable

UN Proper Shipping Name:
DOT, ADR, IMDG, IATA Not Applicable

(Contd. on Page 6)
Product Identifier: Polypropylene Homopolymer

Transport Hazard Class(es):
DOT, ADR, IMDG, IATA

Class: Not Applicable

Packing Group:
DOT, ADR, IMDG, IATA Not Applicable

Environmental Hazards: Not applicable.

Additional Information:
DOT:

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

Section 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):
Substance is not listed.

U.S. Toxic Substances Control Act (TSCA):

California Proposition 65 Carcinogens:
Substance is not listed.

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

Canadian Ingredient Disclosure List (limit 0.1%)
Substance is not listed.

Canadian Ingredient Disclosure List (limit 1%):
Substance is not listed.

Container Labeling:

Hazard Pictograms: Not Applicable

Signal Word: WARNING

Hazard Statements: Combustible dust. May form combustible dust concentrations in air.

Precautionary Statements:
Product is a static accumulator.
P240 Ground and bond containers and receiving equipment.
P210 Keep away from sparks and open flame.

(Contd. on Page 7)
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. Adequate training and instruction should be given by you to your employees and affected personnel. Appropriate warnings and safe handling procedures should be provided by you to handlers and users. Additionally, the user should review this information, satisfy itself as to its suitability and completeness, and pass on the information to its employees or customers in accordance with the applicable federal, state, provincial or local hazard communication requirements. This SDS may not be used as a commercial specification sheet of manufacturer or seller, and no warranty or representation, expressed or implied, is made as to the fitness for use of the material, or the accuracy or comprehensiveness of the foregoing data and safety information, nor is any authorization given or implied to practice any patented invention without a license. In addition, vendor neither assumes nor retains any responsibility for any damage or injury resulting from abnormal use, from any failure to adhere to appropriate practices, or from any hazards inherent in the nature of the material. Moreover, unless an employee or a customer accesses or receives a SDS directly from the company, there is no assurance that a document obtained from alternate sources is the most currently available SDS. The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

Completed by Clark PTP Staff