

AsahiKASEI

Material Safety Data Sheet

MANUFACTURER

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1. PRODUCT IDENTIFICATION

Product Name: Thermylene®
Product Family: Polypropylene – Reinforced
CAS No.: Mixture (Polypropylene CAS # 09003-07-00)
Product Code: Refer to the section in Appendix A

2. PRODUCT INGREDIENTS

No.	Components	CAS No.	Percent (%)	OSHA PEL
1	Polypropylene	9003-07-00	50-90%	Not Established
2	Filler	Trade Secret	5-60%	Not Established
3	Stabilizers, colorants, lubricant and other additives	Trade Secret	0-5%	Not Established

3. PHYSICAL /CHEMICAL PROPERTIES

Physical Form: Pellets
Color: Opaque
Odor: Slight or No Odor
Molecular Weight: Not Applicable
Boiling Point: Not Applicable
Melting Point: 248 - 338°F (120-170 °C)
Freezing Point: Not Applicable
Solubility in Water: Insoluble
Specific Gravity: 0.95 – 1.50 g/cu.cm
Vapor Density: Not Applicable (air=1)
Evaporation Rate: Not Applicable
Vapor Pressure: Not Applicable
% Volatile: Not Applicable
pH: Not Applicable

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

4. FIRE HAZARD DATA AND FIGHTING METHOD

Flash Point: Not Applicable
Auto ignition: Not Established
Flammable Limits: Not Applicable
In Air (LEL, %) (UEL, %) Not Applicable
Extinguishing Media: Dry chemical, carbon dioxide, foam, water spray
Special Fire Fighting Procedure: In the event of a fire, wear NIOSH approved, positive pressure, self-contained breathing apparatus (SCBA) and full protective clothing.
Unusual Fire and Explosion Hazards: Avoid accumulation and dispersion of dust to reduce explosion potential. Fire may produce irritating gases and dense smoke. This compound is not known to possess unusual fire and explosion hazards.

5. HUMAN HEALTH DATA

Emergency Overview: Negligible hazard at room temperature under normal use.
Primary Route(s) of Exposure: Eye contact, inhalation, ingestion, dermal contact
Potential Health Effects and Symptoms of Over-Exposure:
Eye Contact: Solid particles or dust may cause transient irritation as a result of mechanical abrasion. Process vapors or fumes may cause irritation.
Skin Contact: Pellets are not likely to cause irritation. Heated material may cause thermal burns.
Inhalation: Exposure to dust during material handling may cause irritation to the respiratory tract. Process vapors or fumes may cause irritation.
Ingestion: May cause choking if swallowed.

Medical Condition Aggravated by Over-exposure: Not expected.

6. FIRST AID MEASURES

Eye Contact: Immediately wash eyes with water. Consult physician if irritation or other symptoms occur.
Skin Contact: For serious burns, get medical attention. In case of skin contact with hot polymer, immediately immerse in or flush with clean, cold water. Do not attempt to remove polymer from skin.
Inhalation: Leave exposure area and seek fresh air. Consult physician if irritation to respiratory passages occurs.
Ingestion: Consult physician.

7. EXPOSURE CONTROLS, PERSONAL PROTECTION RECOMMENDATIONS

Eye Protection: Safety glasses with side shields. Use dust goggles if dust conditions exist.
Skin Protection: Hot material: Wear heat-resistant protective gloves, clothing and face shield that are able to withstand the temperature of the molten product.
Cold material: None required; however, use of protective clothing is good industrial practice.
Respiratory Protection: None required during normal use of the product. NIOSH approved dust mask recommended if dusty conditions exist.
Engineering Control: Ventilation Requirements:
General ventilation should be sufficient. However, if operating conditions create high airborne concentrations of this material, special ventilation may be needed. If thermal processing results in irritating vapors, special ventilation may be needed. If handling results in dust generation, special ventilation may be needed to ensure that dust exposure does not exceed the OSHA PEL for nuisance dust.
Required Work/Hygiene Procedure: Minimize contact with skin. Do not eat, drink, or smoke in the work area. Wash hands thoroughly after handling, especially before eating, drinking, smoking, chewing, or using restroom facility. Dusted clothing and shoes should be thoroughly cleaned before reuse.

Exposure Guidelines:

This is a polymeric compound. All ingredients are encapsulated by the polymer and present no likelihood of exposure under normal conditions of processing and handling.

Components	OSHA-PEL	ACGIH-TLV
Polypropylene	Nuisance dust: 10mg/M ³ TWA	None

8. ACCIDENTAL RELEASE CONTROL MEASURES

Response to Spills: Product is a water pollutant and should be prevented from contaminating soil or from entering sewage and drainage systems. To prevent the danger of slips or falls, sweep or gather up product and place in proper container for disposal or recovery.

9. HANDLING AND STORAGE

Handling: Maintain good housekeeping. Spilled materials may create a slipping hazard. Remove dust from settling areas to prevent any secondary potential dust explosion or fire hazards. Electrostatic charge may build up during handling. Grounding of equipment is recommended.

Storage: Store in a dry place and away from direct sunlight or heat sources.

Container Use: Keep containers closed.

10. STABILITY AND REACTIVITY

Stability: Stable under normal processing/usage guidelines. Follow material processing guidelines.

Conditions to Avoid: Stable under recommended storage and handling conditions. If heated to more than 300°C, the product may form vapors or fumes which could cause irritation of the respiratory tract, coughing, and shortness of breath. Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material.

Incompatibility with various Substances: Strong oxidizing materials

Hazardous decomposition: Carbon monoxide, carbon dioxide and other harmful products.

Hazardous Polymerization: Will not occur

11. DISPOSAL CONSIDERATIONS

Disposal Method: It must be disposed of in accordance with Federal, State and local environmental control regulations.

Recycle/Reclaim: Recycling or reclamation of material should be encouraged where possible.

12. TRANSPORT INFORMATION

Not classified as hazardous for U.S. DOT.

13. TOXICOLOGY INFORMATION

Chemical	Toxicity Data
Acute Toxicity	No data available
Eye Irritation:	Product is not considered primary eye irritant.
Skin Irritation:	Product is not considered primary skin irritant.
Sensitization:	No data available
Mutagenicity:	No data available
Carcinogenicity:	No data available

14. ECOLOGICAL INFORMATION

No specific ecological information is available. This material is considered to be non-biodegradable.

15. REGULATORY INFORMATION

FEDERAL REGULATORY INFORMATION

Polypropylene (9003-07-00)

OSHA Status: None

EPA Clean Air Act Status: None

MSDS No.:

EPA Clean Water Act Status: None
TSCA Status: Listed or Exempt
CERCLA RQ: None
RCRA Status: It is the responsibility of the product user to determine at the time of disposal whether a material containing the product or derived from the product should be classified as a hazardous waste.

OTHER REGULATORY INFORMATION

For regulatory inquiries contact Asahi Kasei Plastics North America, Inc.

16. MISCELLANEOUS

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APPENDIX A:

This MSDS is applicable to the following product list:

P10FG2100	P620FG0693	P630FG0684	P720FG0876
P110FG8100	P620FG0738	P630FG0687	P730FG0684
P120FG2703	P620FG0753	P630FG0688	P730FG0790
P20FG1714	P620FG0754	P630FG0700	P730FG0890
P20FG1740	P620FG0860	P630FG0708	P730FG1804
P20FG9100	P620FG1685	P630FG0709	P740FG0600
P25FG0100	P620FG1734	P630FG0860	P740FG0790
P25FG2100	P620FG1740	P630FG0900	P740FG1804
P25FG3809	P620FG1812	P630FG1684	P745FG0790
P40FG0860	P620FG2153	P630FG1734	
P610FG0100	P623FG2600	P630FG1804	
P610FG0600	P625FG0687	P630FG90385	
P610FG1734	P625FG0740	P640FBY947	
P613FG0684	P625FG1684	P640FG0100	
P615FG1734	P630FG0153	P640FG1804	
P615FG1735	P630FG0155	P640FG0600	
P615FG1736	P630FG0600	P640FG0684	
P616FG0801	P630FG0600R	P640FG0685	
P620FG0153	P630FG0600V	P640FG0686	
P620FG0600	P630FG0601	P640FG0700	
P620FG0659	P630FG0602	P643FG0410	
P620FG0684	P630FG0632	P720FG0610	

