



Royal Plastics Co.

MATERIAL SAFETY DATA SHEET

SECTION 1 – Product Information

Product Name/Number: Royal Rigid Pellet Compound
Manufacturer: Royal Plastics Co.
121 Pippin Road
Concord, Ontario, Canada L4K 4J9
Telephone #: (905) 761-8529
Emergency Telephone #: (905) 761-8529
Chemical Name/Synonyms: Rigid Poly(vinyl chloride) Compound, PVC, Vinyl
Uses: Extrusion compound for the manufacture of finished goods.

SECTION 2 – Hazardous Ingredients

Material	CAS #	LD ₅₀ (Species & Route)	LC ₅₀ (Species & Route)	Conc.
N/A – This is Not a WHMIS Controlled Product				

SECTION 3 – Physical Data

Physical State	Solid	Specific Gravity:	0.75 to 0.85 as pellets.
Freezing Point	N/A	Boiling Point:	N/A
Vapour Pressure:	N/A	% Volatiles:	N/A
Vapour Density:	N/A	Evaporation Rate:	N/A
Solubility in Water:	Negligible	pH:	N/A
Coefficient of Water/Oil Distribution:			N/A
Appearance & Odor:	Solid white or coloured pellets at STP (23°C & 1 atm). Slight odor		

SECTION 4 – Fire & Explosion Data

Conditions of Flammability: Difficult to burn because a substantial amount of energy is required to breakdown the polymer into smaller fragments that may sustain combustion in the gas phase.

Flash Point: Not established for the product; PVC resin portion of product has a Flash Point of 391°C per ASTM D 1929.

Auto Ignition Temperature: N/A.

Flammable Limits in Air: N/A

Extinguishing Media: Water, ABC dry chemical, protein type air foams

Special Fire Fighting Procedures: Wear self-contained breathing apparatus positive pressure mode. Contain runoff water.

Combustion Products: Fumes/smoke of burning material may contain Hydrogen Chloride, Carbon Monoxide, Carbon Dioxide and aromatic &/or aliphatic hydrocarbons.

Sensitivity to Mechanical Impact: None

Sensitivity to Static Discharge: N/A



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SECTION 5 – Reactivity Data

Stability:	Stable.	Conditions to Avoid:	N/A
Hazardous Polymerization:	Will not occur.	Conditions to Avoid:	N/A
Hazardous Decomposition Products:	Hydrogen Chloride, Carbon Monoxide Carbon Dioxide and short chain chlorinated hydrocarbons.		
Incompatibility:	Avoid contact with strong oxidizers and alkali metals.		

SECTION 6 – Health Hazard Data

Threshold Limit Value:	N/A
Primary Routes of Entry:	Eye contact, ingestion & inhalation.
Effects of Overexposure:	At processing temperatures, fumes & vapors can cause irritation of eyes & respiratory tract.

SECTION 7 – Preventative Measures

Respiratory Protection:	Selection of respirator must be based on the contamination level found in workplace.
Ventilation:	Provide exhaust ventilation to draw dust & fumes away from workers.
Protective Equipment:	Wear protective gloves when handling hot material.
Material Handling & Storage:	Store away from fire, heat or ignition sources. Sprinklered warehouse areas are recommended.
Steps to be taken in case material is released or spilled:	Vacuum or sweep material into a clean container for reuse or disposal.
Waste Disposal Method:	Dispose in accordance with all federal, provincial/state & local regulations.

SECTION 8 – First Aid Measures

Inhalation (of process emissions):	Remove affected individual to fresh air. Contact a physician.
Eye Contact:	Flush eyes with water for at least 15 minutes. Seek medical attention if irritation persists.
Skin Contact:	N/A
Ingestion:	N/A

SECTION 9 – Preparation Information

Date Prepared:	March 1, 2010	Supersedes:	March 1, 2007
Prepared By:	Royal Plastics Co.	Phone Number:	(905) 761-8529

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