

# MATERIAL SAFETY DATA SHEET

## I. IDENTIFICATION

Product:	Polyethylene Beads
Chemical Family	Polyolefin
Formula	CH <sub>3</sub> -(CH <sub>2</sub> ) <sub>n</sub> -CH <sub>3</sub>

## II. INGREDIENTS

This product may contain one or more of the following: Polyethylene homopolymer or polyethylene copolymer.

Hazardous Components: Not Applicable

## III. PHYSICAL PROPERTIES

Boiling Point	Not Applicable
Vapor Pressure	Not Applicable
Solubility in Water	0.000 g/cc
Density	0.900-0.960 g/cc
Form	Pony Beads
Odor	None
Volatile	No

## IV. FIRE AND EXPLOSION HAZARD DATA

Autoignition Temperature	500-600 degrees F
Flash Point	600-650 degrees F
Flammable Limits	Not Applicable
Fire Fighting	Use water to extinguish fire & to cool surfaces. Other types of extinguishers may also be used. Use NIOSH approved self-contained breathing apparatus to fight fires in enclosed areas.
Hazards	Static discharges can be generated. Excessive airborne dust may cause explosions.
Decomposition Products	CO <sub>2</sub> ; H <sub>2</sub> : and under lean oxygen conditions, CO

## V. REACTIVITY

Stability	Stable
Conditions to Avoid	Temperatures over 300 degrees C. can cause degradation
Reactive Polymerization	Does not occur
Incompatibility	None

## VI. HEALTH

Acute & Chronic Hazards	Ingredients used are considered to be a hazardous chemical when burned under OSHA hazard communication std. 29 CFR 1910.1200; however will not present any health hazard under normal use at ambient conditions.
Eye	Ingredients used are considered to be hazardous chemical when burned under OSHA hazard communication std. 29 CFR 1910.1200; however will not present any health hazard under normal use at ambient conditions.
Skin Contact	Solid or dust may cause irritation or corneal injury due to mechanical action.
Inhalation	Negligible hazard at ambient temperatures under normal use.
Ingestion	None currently known.
Exposure Limits	No limit established for polyethylene.
First Aid	If ingested, no known health effect. Skin contact with molten plastic should be treated with cold water before plastic is removed, then wrap in clean gauze and seek medical attention.

## **VII. EMPLOYEE PROTECTION**

Control Measure	None
Respiratory Protection	None
Protective Clothing	None

## **VIII. ENVIRONMENTAL PROTECTION**

Dispose in landfills or incinerators in accordance with local, state, and federal regulations.

## **IX. TRANSPORTATION INFORMATION**

Not regulated

## **X. ADDITIONAL INFORMATION**

Regulatory Requirements

DOT	Not applicable	
HMIS	Health	0
	Reactivity	0
	Flammability	1

*Although the above information is believed to be accurate and reliable, no warranty is expressed or implied. It is the customer's responsibility to determine the usefulness and applicability of this material for the intended use.*

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