

MATERIAL SAFETY DATA SHEET

Date last revised 04/05/2015

MSDS07

I. General Information

Chemical Name & Synonyms Polyethylene	Trade Name & Synonyms Densilite
Chemical Family Polyethylene	Formula (ch ₂ -ch ₂) _n
Proper DOT Shipping Name N/A	DOT Hazard Classification N/A
Manufacturer iPoly	Manufacturer's Phone Number 905-227-7900
Manufacturer's Address 100 Ormond St. Thorold, ON L2V 1Y5	Chemtrec Phone Number 1-800-424-9300

II. Ingredients

Principal Components	Percent	Threshold Limit Value (Units)
Polyethylene (9002-88-4)	>99%	10 mg/m ³ (total dust)

III. Physical Data

Boiling Point (Deg. F.) N/A	Specific Gravity (H₂O=1) .91 - .92
Vapor Pressure (mm Hg) N/A	Percent Volatile By Volume (%)
Vapor Density (Air=1) N/A	Evaporation Rate (Air =1) N/A
Solubility in Water Negligible	pH N/A
Appearance & Odor Waxy Solid with waxy odor. White, black, or green color.	

IV. Fire & Explosion Hazard Data

Flash Point (Test Method) - >350°C (662° F.) (ASTM-D-1929 Method B)(Setchkin)		
Auto Ignition Temperature - >350°C (662° F.)		
Flammable Limits	LEL	UEL
N/A	N/A	N/A
Extinguishing Media Water, Foam, Carbon Dioxide, Dry Chemical		
Special Fire Fighting Procedures Standard for Class A fire.		
Unusual Fire & Explosion Hazards Dust is flammable when finely divided (less than 200 mesh) and suspended in air.		

V. Health Hazard Data

Carcinogen - NTP Program

NO

Carcinogen - IARC Program

NO

Symptoms of Exposure

None Known

Medical Conditions Aggravated By Exposure

None known, however, seek medical attention if constant irritation occurs. If thermal decomposition occurs, upper respiratory, eye, nose, and throat irritation may result.

Primary Route(s) of Entry

Inhalation of particulates.

Emergency First Aid

Molten material. If molten material comes in contact with the skin, cool under running water. Do not attempt to remove the molten material from the skin. Get medical attention.

VI. Reactivity Data

STABILITY Unstable Stable

INCOMPATIBILITY

Hazardous May OccurPolymerization Will Not OccurConditions To Avoid

None Known

Materials To Avoid

Strong oxidizing agents.

Conditions To Avoid

None Known

Hazardous Decomposition Products

Carbon Monoxide, Carbon Dioxide, selected Alkanes and Aldehydes.

VII. Environmental Protection Procedures

Spill Response

Sweep up for Disposal or reuse.

Waste Disposal Method

Incineration or landfill - dispose of in accordance with Federal, Provincial, State and Local regulations.

VIII. Special Protection Information

Eye Protection

Glasses with side shields.

Skin Protection

Respiratory Protection (Specific Type): NIOSH approved dust respirator recommended. If material is being burned wear an organic respirator.

Ventilation Recommended: Local ventilation in dusty conditions, or if thermal decomposition occurs.

Other Protection

Gloves and protective garments when handling molten material.

IX. Special Precautions/Information

Hygienic Practices In Handling & Storage

Wash with soap and water.

Precautions For Repair & Maintenance Of Contaminated Equipment

Eliminate ignition sources.

Other Precautions

Store in a sprinkler protected warehouse. Since Densilite includes polyethylene, it will burn with a hot flame if ignited. Avoid contact with ignition sources such as open flames. Keep a fire extinguisher near if welding is done in the area of Densilite. If a heat source is present, keep the area well ventilated.

NFPA Code: Fire 1, Health 1, Reactivity 0

HMIS Code: Fire 1, Health 0, Reactivity 0

X. Regulatory Information

OSHA Status: Polyethylene is not considered hazardous under OHSA.

TSCA Inventory Status: All ingredients are listed.

CERCLA Reportable Quantity (RG): None

SARA Title III:

Section 302/304: No extremely hazardous substances

Section 311/312: No reporting requirements although it is suggested that storage of >10,000 lbs of polyethylene in one facility should be listed on a Tier II report.

Section 313: No reporting requirements.

Hazard data contained herein was obtained from raw material suppliers. The information presented is believed to be factual, as it was derived from the works and opinions of persons believed to be qualified. However, no facts contained in the information are to be taken as a warranty, or representation, for which iPoly Inc. bears legal responsibility. The user should review any recommendation in the specific context of the intended use to determine if they are appropriate.

N.A.= Not Applicable N.E.= Not Established