

# SOLVAY POLYMERS, INC.

*MSD*

24 Hour Emergency Assistance  
Solvay (281) 479-0365  
CHEMTREC 1-800-424-9300

## Material Safety Data Sheet

MSDS Code KB030  
January 2000

SECTION 1		PRODUCT NAME
1a.	Trade name	Fortiflex® Polyethylene
1b.	This MSDS applies to the product codes listed in this section.	K38-20-123, K38-20-137, K38-55-123, K44-08-123, K44-15-123, K44-24-123, K46-06-161, K46-06-165, ELTEX® TUB 121, TC46-20B
1c.	Chemical Name/Synonyms	Polyethylene Plastics
1d.	CAS number(s)	25213-02-9
SECTION 2		INGREDIENTS
2a.	Polyethylene Copolymers with < 3% carbon black	
2b.	This product is non-hazardous under Hazard Communication Standard 29 CFR 1910.1200	
SECTION 3		HAZARD INFORMATION
3a.	Effects of acute over exposure:	None determined
3b.	Effects of chronic over exposure:	None determined
3c.	OSHA permissible exposure limit:	5 mg/m <sup>3</sup> respirable dust 15 mg/m <sup>3</sup> total dust
3d.	Carcinogen potential: National Toxicology Program: I.A.R.C. Monograms: OSHA:	Not listed Not listed Not listed
SECTION 4		EMERGENCY AND FIRST AID PROCEDURES
4a.	Inhalation:	The material is not expected to present an inhalation hazard.
4b.	Eyes:	Immediately flush polymer fines from eyes with water for at least 15 minutes; get medical attention.
4c.	Skin:	Cool skin rapidly if contacted with molten polymer. Obtain medical attention for thermal burns.
4d.	Ingestion:	No adverse health effects expected from ingestion.
SECTION 5		FIRE AND EXPLOSION DATA
5a.	Flash point:	> 650°F (ASTM E 136)
5b.	Upper explosive limit:	Not determined
5c.	Lower explosive limit:	Not determined
5d.	Auto ignition temperature:	> 650°F (estimated)
5e.	Extinguishing media:	Dry chemical, water fog, foam, Carbon Dioxide
5f.	Special fire & explosion hazards:	Dense smoke emitted when burned without sufficient oxygen. Possible dust explosion if fines accumulate. Wear standard fire fighting attire.
SECTION 6		SPILLS AND DISPOSAL
6a.	Land spill:	Spilled material should be swept up and discarded. Comply with applicable federal, state or local regulations.
6b.	Water spill:	Advise local authorities if spilled in waterway or sewer. Skim from surface of water if possible.
6c.	Waste disposal	Dispose in accordance with local regulations.

<b>SECTION 7</b>		<b>STORAGE AND HANDLING</b>
7a.	Inspect handling system regularly for possible accumulation of fines. Fines can present an explosion hazard when exposed to heat, sparks and open flames.	
7b.	Allow all outlets to ventilate before unloading to prevent possible explosion hazard. Use proper grounding procedures.	
<b>SECTION 8</b>		<b>PROTECTIVE MEASURES</b>
8a.	Wear safety glasses, face shield or chemical goggles to avoid getting material in the eyes during bulk handling.	
8b.	Wear protective sleeves when processing material at elevated temperatures to minimize possibility of thermal burns.	
8c.	Adequate ventilation is recommended to minimize accumulation of fines or vapors during processing and handling. An approved respirator may be needed in areas with a high accumulation of fines.	
<b>SECTION 9</b>		<b>PHYSICAL DATA</b>
9a.	Appearance and Odor:	Odorless, colorless pellets
9b.	Boiling Point:	Not applicable
9c.	Solubility:	Insoluble in water
9d.	Evaporation:	Not applicable
9e.	Specific Gravity:	0.938 - 0.956(g/cm <sup>3</sup> @ 23°C)
9f.	Vapor Pressure:	Not applicable
9g.	Melting Point:	230-275°F
9h.	Vapor Density:	Not applicable
9i.	Percent Volatile:	Negligible
<b>SECTION 10</b>		<b>REACTIVITY</b>
10a.	Stability:	This material is stable.
10b.	Hazardous polymerization:	Hazardous polymerization will not occur.
10c.	Conditions to avoid:	Avoid temperatures over 650°F. Avoid storage or contact with strong oxidizing agents.
10d.	Combustion products:	The following combustion products may be generated: carbon dioxide, carbon monoxide, water vapor, and trace volatile organic compounds.
<b>SECTION 11</b>		<b>ADDITIONAL REGULATORY INFORMATION</b>
This material is not regulated by D.O.T.		
This material is on the TSCA inventory.		
This material is not subject to specific CERCLA reporting requirements.		
This material is not subject to SARA 313 reporting requirements.		
This material is not subject to California Safe Drinking Water and Toxic Enforcement Act (Proposition 65) reporting.		

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