



Motzblock

Earth Retainer Block

Material Safety Data Sheet

MARLEX POLYETHYLENES (All Grades Except Marlex with Cadmium Pigment, CL and L Series)

A. Product Identification

Synonyms: Plastic
 Chemical Name: Ethylene Polymers & Copolymers plus Additives
 Chemical Family: Olefin Polymers and Copolymers plus Additives
 Chemical Formula: Mixture
 CAS Reg. No.: Mixture-See Section B for ingredient CAS Reg. No.
 Product No.: Marlex BHN, BMN, DTR, EHM, HHM, HHN, HMN, HXM, BX, C, D, H (except H343 and H343), J, K, LX and M Series

Product and/or components entered on EPA's TSCA Inventory: Yes

This material is in U.S. commerce, and is listed in the Toxic Substances Control Act (TSCA) Inventory of Chemicals; hence, it is subject to all applicable provisions and restrictions of 40 CFR, Section 721 and 723.250.

B. Components

This product does not meet the definition of a hazardous material as given in 29 CFR Part 1910.1200 (OSHA). Information on this form is furnished as a customer service.

Ingredients	CAS Number	% By Wt.	OSHA PEL*	ACGIH TLV*
Polyethylene or	9002-88-4	96-99	NE	NE
Ethylene-Butane Copolymer or	25087-34-7	96-99	NE	NE
Ethylene-Hexene-1 Copolymer	25213-02-9	96-99	NE	NE
Additives	Various	1-4	NE	NE

*Also see Section F, Other Health Effects

NA - Not Applicable NE - Not Established

C. Handling and Storage Precautions

Avoid inhalation of product dust (fines).

Store away from heat or flames.

D. Reactivity Data

Stability:	Stable
Conditions to avoid:	Not Applicable
Incompatibility (materials to avoid):	Oxidants
Hazardous Polymerization:	Will Not Occur
Conditions to avoid:	Not Applicable
Hazardous Decomposition Products:	Carbon oxides and various hydrocarbon gases.

E. Health Hazard Data

Recommended Exposure Limits:

See Section F Other Health Effects.

Acute Effects of Overexposure:

Eye: Dust may cause mechanical irritation.

Skin: Essentially non-irritating.

Inhalation: Dust may produce mechanical irritation to the mucous membranes of the nose, throat and upper respiratory tract.

Ingestion: Essentially non-toxic and inert.

Subchronic and Chronic Effects of Overexposure:

Polyethylene's have been reported to produce malignant tumors at the implantation site when solid forms (films, fragments and sheets) are implanted in laboratory animals.

Other Health Effects:

Control as nuisance dust:

	Respirable	Total Dust
OSHA PEL	5 mg/m ³	15mg/m ³
ACGIH TLV	NE	10mg/m ³

Long term exposure to high dust concentrations may cause non-debilitating lung changes.

Exposure to carbon monoxide, a combustion product of polyethylene, can result in carboxyhemoglobinemia. Carboxyhemoglobinemia is frequently misdiagnosed as flu.

Chronic exposure to carbon monoxide causes fatigue, poor memory, loss of sensation in fingers, visual disturbances and insomnia.

Sub-populations sensitive to the inhalation of carbon monoxide exist. Carbon monoxide displaces oxygen in the bloodstream and therefore, can adversely affect people with pre-existing heart disease, pregnant women, and smokers.

Health Hazard Categories:

	Animal	Human		Animal	Human
Known Carcinogen	_____	_____	Toxic	_____	_____
Suspect Carcinogen	_____	_____	Corrosive	_____	_____
Mutagen	_____	_____	Irritant	_____	_____
Teratogen	_____	_____	Target Organ Toxin	_____	_____
Allergic Sensitizer	_____	_____	Specify-No known applicable information		
Highly Toxic	_____	_____			

First Aid and Emergency Procedures:

- Eye: Flush eyes with water. If irritation develops, seek medical attention.
- Skin: Rinse with water. If irritation develops, seek medical attention.
- Ingestion: If illness or adverse symptoms develop, seek medical attention.

F. Physical Data

Appearance:	Black waxy
Odor:	Mild
Boiling Point:	Not applicable
Vapor pressure:	Not applicable
Vapor density (Air 1):	Not applicable
Solubility in water:	Negligible
Specific Gravity (H2O 1):	Density is 0.915-0.970 g/cm3
Percent volatile by volume:	0.01
Evaporation rate (Butyl Acetate 1):	Not applicable
Viscosity:	Not applicable

G. Fire and Explosion Data

Flash point (Method used):	645F (340C) (ASTM D1929)
Flammable limits (% by volume in air):	LEL - Not applicable UEL - Not applicable
Fire extinguishing media:	Dry chemical, foam or carbon dioxide. (CO2).

H. DOT Transportation

Shipping name: Not applicable
Hazard class: Not applicable
ID number: Not applicable
Packing Group: Not applicable
Marking: Not applicable
Label: Not applicable
Placard: Not applicable
Hazardous Substance/RQ: Not applicable
Shipping description: Not applicable
Packaging references: Not applicable

I. RCRA Classification - Unadulterated Product as a Waste

Not applicable

J. Hazard Classification

This product meets the following hazard definition(s) as defined by the Occupational Safety and Health Hazard Communication Standard (29 CFR Section 1910.1200):

-Combustible Liquid	-Flammable Aerosol	-Oxidizer
-Compressed Gas	-Explosive	-Pyrophoric
-Flammable Gas	-Health Hazard (Section F)	-Unstable
-Flammable Liquid	-Organic Peroxide	-Water Reactive
-Flammable Solid		

X Based on information presently available, this product does not meet any of the hazard definitions of 29 CFR Section 1910.1200.

K. Additional Comments

SARA 313

As of the preparation date, this product did not contain a chemical or chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.