

MATERIAL SAFETY DATA SHEET

OPTIMUM END CAPS

Identity Low Density Polyethylene Homopolymer

Used in manufacturing EFD part numbers

7012040-END CAP O 30/55CC BL	7012046-END CAP O 3CC BL
7012041-END CAP O 30/55CC GN	7012633-END CAP O 2.5/6/12OZ GN
7012042-END CAP O 10CC BL	7012636-CARTRIDGE END CAP O 20OZ GN
7012043-END CAP O 10CC GN	7013609-END CAP O 3CC GN
7012044-END CAP O 5CC BL	7018824-END CAP O 2.5/6/12OZ BL
7012045-END CAP O 5CC GN	7018830-END CAP O 20/32OZ BL

Section I

Manufacturer's Name
Proprietary

For Additional Information:

Phone: 401-431-7000
800-556-3484
Fax: 401-431-7079
www.efd-inc.com

Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))		OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Polyethylene Homopolymer (CAS # 9002-88-4)	> 98%	15MG/M3	10MG/M3		
Stabilizers/ Colorant (trade secret)	< 2%				
FDA Compliant – 21CFR 177.1520 (c) 1.1a.					

Section III - Physical/Chemical Characteristics

<u>Boiling Point</u>	NA	<u>Specific Gravity (H2O = 1)</u>	NA
<u>Vapor Pressure (mm Hg)</u>	NA	<u>Melting Point</u>	>85 C.
<u>Vapor Density (AIR = 1)</u>	NA	<u>Evaporation rate (Butyl Acetate = 1)</u>	NA
<u>Solubility in Water</u>	NIL		
<u>Appearance and Odor</u>	SLIGHT OR NO ODOR		

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used)
>300 C. (ASTM D-1929)

Flammable Limits

LEL
NA

UEL
NA

Extinguishing Media

CARBON DIOXIDE, FOAM, DRY CHEMICAL, WATER FOG

Special Firefighting Procedures

FIREFIGHTERS SHOULD USE SELF-CONTAINED BREATHING APPARATUS

Unusual Fire and Explosion Hazards

EXPLOSIVITY OF DUSTS INCREASES WITH DECREASING PARTICLE SIZE

Section V - Reactivity Data

Stability

Unstable	
Stable	X

Conditions to Avoid

STRONG OXIDATION

Incompatibility (Materials to Avoid)

STRONG OXIDIZERS

Hazardous Decomposition or Byproducts

CARBON MONOXIDE

Hazardous

May Occur	
Will Not Occur	X

Conditions to Avoid

Polymerization

Section VI - Health Hazard Data

Route(s) of Entry:

Inhalation?
YES

Skin?
YES

Ingestion?
UNLIKELY

Health Hazards (Acute and Chronic)

AVOID BREATHING FUMES, INHALATION OF PELLETS AND FINES MAY CAUSE THROAT IRRITATION, PELLETS MAY CAUSE MECHANICAL IRRITATION OF EYES

Carcinogenicity:

NTP?
NO

IARC Monographs?
NO

OSHA Regulated?
NO

Signs and Symptoms of Exposure

NA

Medical Conditions Generally Aggravated by Exposure

PRE-EXISTING EYE, SKIN, AND RESPIRATORY TRACT SENSITIVITIES

Emergency and First Aid Procedure

EYES: FLUSH WITH WATER. SEE PHYSICIAN IF IRRITATION PERSISTS. SKIN: WASH WITH SOAP AND WATER. SEE PHYSICIAN IN CASE OF BURNS. INHALATION: REMOVE TO FRESH AIR, SEEK MEDICAL ATTENTION

Section VII – Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled

SWEEP OR VACUUM SPILLED PELLETS

Waste Disposal Method

IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.

Precautions to be Taken in Handling and Storage

AVOID ACCUMULATION OF DUSTS. STORE IN CLEAN, DRY AREA.

Other Precautions

NA

Section VIII - Control Measures

Respiratory Protection (Specify Type)

APPROVED DUST RESPIRATORS IF NEAR NUISANCE DUST LEVEL

<u>Ventilation</u>	<u>Local Exhaust</u>	<u>Special</u>
	IN VICINITY OF MOLDING MACHINERY	NA
	<u>Mechanical (General)</u>	<u>Other</u>
	NA	NA

Protective Gloves

AS REQUIRED FOR HOT MATERIALS

Other Protective Clothing or Equipment

NA

Work/Hygenic Practices

NA