

MATERIAL SAFETY DATA SHEET

OPTIMUM PISTONS

Identity High Density Polyethylene

Used in manufacturing EFD part numbers:

7012020-PISTON O 30/55CC BE WIPER	7012317-PISTON O 3CC OR FLAT
7012021-PISTON O 30/55CC WH WIPER	7012318-PISTON O 5CC OR FLAT
7012022-PISTON O 30/55CC RD WIPER	7012319-PISTON O 10CC OR FLAT
7012023-PISTON O 10CC BE WIPER	7012320-PISTON O 30/55CC OR FLAT
7012024-PISTON O 10CC WH WIPER	7014425-PISTON O 10CC BL WIPER
7012025-PISTON O 10CC RD WIPER	7014426-PISTON O 3CC BL WIPER
7012026-PISTON O 5CC BE WIPER	7014427-PISTON O 30/55CC BL WIPER
7012027-PISTON O 5CC WH WIPER	7014639-PISTON O 2.5/6/12OZ WH WIPER
7012028-PISTON O 5CC RD WIPER	7014640-PISTON O 20/32OZ WH WIPER
7012029-PISTON O 3CC BE WIPER	7018828-PISTON O 2.5/6/12OZ WH WIPER
7012030-PISTON O 3CC WH WIPER	7018831-PISTON O 20/32OZ WH WIPER
7012031-PISTON O 3CC RD WIPER	

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)
Titanium Dioxide (CAS# 13463-67-7)	> 5%	15 MG/M3		
Copolymer of ethylene and Octene-1 (CAS# 026221-73-8)	<95%			
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

<u>Flash Point (Method Used)</u> >300 C. (ASTM D-1929)	<u>Flammable Limits</u>	<u>LEL</u> NA	<u>UEL</u> NA
<u>Extinguishing Media</u> CARBON DIOXIDE, FOAM, DRY CHEMICAL, WATER FOG			
<u>Special Firefighting Procedures</u> FIREFIGHTERS SHOULD USE SELF-CONTAINED BREATHING APPARATUS			
<u>Unusual Fire and Explosion Hazards</u> EXPLOSIVITY OF DUSTS INCREASES WITH DECREASING PARTICLE SIZE			

Section V - Reactivity Data

<u>Stability</u>	Unstable		<u>Conditions to Avoid</u> STRONG OXIDATION
	Stable	X	

Incompatibility (Materials to Avoid)
STRONG OXIDIZERS

Hazardous Decomposition or Byproducts
CARBON MONOXIDE

<u>Hazardous Polymerization</u>	May Occur		<u>Conditions to Avoid</u>
	Will Not Occur	X	

Section VI - Health Hazard Data

<u>Route(s) of Entry:</u>	<u>Inhalation?</u> YES	<u>Skin?</u> YES	<u>Ingestion?</u> UNLIKELY
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Health Hazards (Acute and Chronic)
AVOID BREATHING FUMES, INHALATION OF PELLETS AND FINES MAY CAUSE THROAT IRRITATION, PELLETS MAY CAUSE MECHANICAL IRRITATION OF EYES

<u>Carcinogenicity:</u> NO	<u>NTP?</u> NO	<u>IARC Monographs?</u> NO	<u>OSHA Regulated?</u>
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Signs and Symptoms of Exposure

NA

Medical Conditions Generally Aggravated by Exposure

PREEXISTING 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

Ventilation

Local Exhaust

Special

IN VICINITY OF MOLDING MACHINERY NA

Mechanical (General)

Other

NA

NA

Protective Gloves

AS REQUIRED FOR HOT MATERIALS

Other Protective Clothing or Equipment

NA

Work/Hygenic Practices

NA