

POLYMER -- FLUOROSINT 500 (FFM-500) AND FLUOROSINT 590 (FFM-  
MATERIAL SAFETY DATA SHEET  
NSN: 597000N066766  
Manufacturer's CAGE: 83616  
Part No. Indicator: A  
Part Number/Trade Name: FLUOROSINT 500 (FFM-500) AND FLUOROSINT 590 (FFM-590)

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General Information  
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Company's Name: POLYMER CORP  
Company's Street: 2120 FAIRMONT AVENUE  
Company's P. O. Box: 14235  
Company's City: READING  
Company's State: PA  
Company's Country: US  
Company's Zip Code: 19612-4235  
Company's Emerg Ph #: 800-424-9300(CHEMTREC)  
Company's Info Ph #: 215-320-6600  
Record No. For Safety Entry: 001  
Tot Safety Entries This Stk#: 001  
Status: SMJ  
Date MSDS Prepared: 17DEC92  
Safety Data Review Date: 16JAN96  
MSDS Preparer's Name: T.W. SWAVELY  
Preparer's Company: SAME  
MSDS Serial Number: CBDWY

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Ingredients/Identity Information  
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Proprietary: NO  
Ingredient: ETHYLENE, TETRAFLUORO-, POLYMER; (POLYTETRAFLUOROETHYLENE)  
Ingredient Sequence Number: 01  
NIOSH (RTECS) Number: KX4025000  
CAS Number: 116-14-3  
OSHA PEL: N/K (FP N)  
ACGIH TLV: N/K (FP N)

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Proprietary: NO  
Ingredient: SILICATE, MICA; (MICA-GROUP MINERALS; FLUOROPHLOGOPITE  
SYNTHETIC MICA)  
Ingredient Sequence Number: 02  
NIOSH (RTECS) Number: VV8760000  
CAS Number: 12001-26-2  
OSHA PEL: N/K (FP N)  
ACGIH TLV: N/K (FP N)

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Proprietary: NO  
Ingredient: ADDITIVES (NOT HAZARDOUS BY 29 CFR 1910.1200)  
Ingredient Sequence Number: 03  
NIOSH (RTECS) Number: 1000144AD  
OSHA PEL: N/K (FP N)  
ACGIH TLV: N/K (FP N)

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Physical/Chemical Characteristics  
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Appearance And Odor: ESSENTIALLY ODORLESS.  
Melting Point: 648F,342C  
Specific Gravity: 2.25-2.35  
Solubility In Water: INSOLUBLE  
Percent Volatiles By Volume: <1

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Fire and Explosion Hazard Data  
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Flash Point: WILL NOT FLASH  
Extinguishing Media: WATER SPRAY OR ANY CLASS A EXTINGUISHING AGENT.  
Special Fire Fighting Proc: USE NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE EQUIPMENT (FP N). FIRE FIGHTING EQUIPMENT SHOULD BE THOROUGHLY DECONTAMINATED AFTER USE.  
Unusual Fire And Expl Hazrds: NONE KNOWN.

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Reactivity Data  
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Stability: YES  
Cond To Avoid (Stability): HEATING ABOVE 400C/750F.  
Materials To Avoid: NONE KNOWN.  
Hazardous Decomp Products: HAZ DECOMBUSTION PRODS:HEATING ABOVE MELTING POINT/PRLNG HEATING >260C/500F, MAY CAUSE THERMAL DEGRADATION OF (SUPDAT)  
Hazardous Poly Occur: NO  
Conditions To Avoid (Poly): NOT RELEVANT

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 Health Hazard Data  
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LD50-LC50 Mixture: NONE SPECIFIED BY MANUFACTURER.  
 Route Of Entry - Inhalation: NO  
 Route Of Entry - Skin: YES  
 Route Of Entry - Ingestion: YES  
 Health Haz Acute And Chronic: ACUTE:INGEST:NOT A PROBABLE RTE OF EXPOS FOR  
 POWDER MAY CAUSE IRRIT. EYE:MECH IRRIT ONLY. INHAL:SHAPES NOT RESPIRABLE.  
 CHRONIC:NONE KNOWN. TOXICOLOGICAL INFO:CHRONIC TOX:SPECIFIC TOX TESTS HAVE  
 NOT BEEN CONDUCTED ON THIS PROD. HAZ(EFTS OF OVEREXP)  
 Carcinogenicity - NTP: NO  
 Carcinogenicity - IARC: NO  
 Carcinogenicity - OSHA: NO  
 Explanation Carcinogenicity: NOT RELEVANT  
 Signs/Symptoms Of Overexp: HLTH HAZ:EVAL IS BASED ON INFO FROM SIMILAR  
 PRODS, INGS, TECHNICAL LITERATURE &/OR PROFESSIONAL EXPER FROM RESIN MFR.  
 THIS PROD CONTAINS POLYTETRAFLUOROETHYLENE (PTFE). VAPS WHICH CAN CAUSE  
 FLU-LIKE SYMPS ARE LIBERATED FROM PTFE AT TEMPS >250C/480F OR IF  
 CIGARETTES/OTHER SMOKING MATLS ARE CONTAM W/FLUOROSINT (SUPDAT)  
 Med Cond Aggravated By Exp: NONE KNOWN.  
 Emergency/First Aid Proc: INGEST:CALL MD IMMEDIATELY (FP N). INHAL:IF  
 EXPOSED TO FUMES FROM OVERHEATING, MOVE TO FRESH AIR. CONSULT MD IF  
 SYMPTOMS PERSIST. SKIN:WASH W/SOAP & PLENTY OF WATER. EYES:FLUSH W/WATER  
 FOR AT LEAST 15 MINUTES. CONSULT MD IF SYMPTOMS PERSIST.

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 Precautions for Safe Handling and Use  
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Steps If Matl Released/Spill: CLEAN UP BY VACUUMING OR SWEEPING TO PREVENT  
 FALLS. CLEAN UP BY VACUUMING OR WET SWEEPING TO MINIMIZE DUST EXPOSURE.  
 AQUATIC TOXICITY:TOXICITY IS EXPECTED TO BE LOW BASED ON INSOLUBILITY OF  
 PRODUCT IN WATER.  
 Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.  
 Waste Disposal Method: LANDFILL OR INCINERATION IN COMPLIANCE W/FEDERAL,  
 STATE & LOCAL REGULATIONS.  
 Precautions-Handling/Storing: DRY STORAGE. KEEP CONTAINERS CLOSED TO  
 PREVENT CONTAMINATION.  
 Other Precautions: AVOID CONTAMINATION OF CIGARETTES OR TOBACCO W/  
 FLUOROSINT DUST.

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 Control Measures  
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Respiratory Protection: NIOSH/MSHA APPROVED RESPIRATOR APPROPRIATE FOR  
 EXPOSURE OF CONCERN (FP N). NONE UNDER NORMAL PROCESSING, IF VENTILATION IS  
 ADEQUATE.  
 Ventilation: LOC EXHST AT PROCESSING EQUIP TO KEEP PARTICULATES <15 MG/M3,  
 OSHA LIM FOR NUISANCE DUSTS. GRINDING & MACHINING (SUPDAT)  
 Protective Gloves: IMPERVIOUS GLOVES (FP N).  
 Eye Protection: ANSI APPROVED CHEM WORKERS GOGGS (FP N).  
 Other Protective Equipment: EYE WASH FOUNTAIN & DELUGE SHOWER WHICH MEET  
 ANSI DESIGN CRITERIA (FP N).  
 Work Hygienic Practices: THIS PRODUCT IS NOT LIKELY TO BE HAZARDOUS BY  
 SKIN CONTACT, BUT CLEANSING SKIN AFTER USE IS ADVISABLE.  
 Suppl. Safety & Health Data: HAZ DECOMP PROD:POLYTETRAFLUORETHYLENE WHICH  
 LEADS TO FORMATION OF OXIDIZED PRODS CONTAINING CARBON, FLUORINE & OXYGEN.  
 EFTS OF OVEREXP:DUST OR MACHINE WASTE. VENT:OF PARTS SHOULD BE REVIEWED TO  
 ASSURE THAT PARTICULATE LEVELS ARE KEPT AT RECOMMENDED LEVELS.

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 Transportation Data  
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 Disposal Data  
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 Label Data  
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Label Required: YES  
 Technical Review Date: 16JAN96  
 Label Date: 28NOV95  
 Label Status: G  
 Common Name: FLUOROSINT 500 (FFM-500) AND FLUOROSINT 590 (FFM-  
 590)  
 Chronic Hazard: NO  
 Signal Word: CAUTION!  
 Acute Health Hazard-Slight: X  
 Contact Hazard-Slight: X  
 Fire Hazard-None: X  
 Reactivity Hazard-None: X  
 Special Hazard Precautions: ACUTE:INGESTION:NOT A PROBABLE ROUTE OF  
 EXPOSURE FOR SHAPES. POWDER MAY BE HARMFUL IF SWALLOWED, MATERIAL DOES NOT  
 DISSOLVE. SKIN:POWDER MAY CAUSE IRRITATION. EYE:MECHANICAL IRRITATION ONLY.

INHALATION:SHAPES NOT RESPIRABLE. CAN CAUSE FLU-LIKE SYMPTOMS. CHRONIC:NONE  
LISTED BY MANUFACTURER.

Protect Eye: Y

Protect Skin: Y

Protect Respiratory: Y

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Label City: READING

Label State: PA

Label Zip Code: 19612-4235

Label Country: US

Label Emergency Number: 800-424-9300(CHEMTREC)