

DUPONT E I -- TEFLON FLUOROCARBON RESIN FEP, 100
 MATERIAL SAFETY DATA SHEET
 NSN: 685000N015692
 Manufacturer's CAGE: 18873
 Part No. Indicator: A
 Part Number/Trade Name: TEFLON FLUOROCARBON RESIN FEP, 100

=====
 General Information
 =====

Company's Name: DU PONT E I DE NEMOURS & CO INC
 Company's Street: 1007 MARKET STREET
 Company's P. O. Box: 1635
 Company's City: WILMINGTON
 Company's State: DE
 Company's Country: US
 Company's Zip Code: 19898
 Company's Emerg Ph #: 800-441-3637/800-424-9300(CHEMTREC)
 Company's Info Ph #: 800-441-7515/MSDS 302-992-3511
 Record No. For Safety Entry: 001
 Tot Safety Entries This Stk#: 001
 Status: SMJ
 Date MSDS Prepared: 18OCT88
 Safety Data Review Date: 03JUL95
 MSDS Preparer's Name: W H MARTIN
 Preparer's Company: SAME
 MSDS Serial Number: BLBHP
 Hazard Characteristic Code: N1

=====
 Ingredients/Identity Information
 =====

Proprietary: NO
 Ingredient: FLUORINATED ETHYLENE PROPYLENE COPOLYMER
 Ingredient Sequence Number: 01
 NIOSH (RTECS) Number: 1003171EP
 CAS Number: 25067-11-2
 OSHA PEL: NOT APPLICABLE
 ACGIH TLV: NOT APPLICABLE
 Other Recommended Limit: 10 MG/M3 TDUST (MFR)

=====
 Physical/Chemical Characteristics
 =====

Appearance And Odor: WHITE TRANSLUCENT PELLETS WITH NO ODOR.
 Melting Point: 527F,275C
 Specific Gravity: 2.1-2.2
 Solubility In Water: INSOLUBLE
 Percent Volatiles By Volume: N/A

=====
 Fire and Explosion Hazard Data
 =====

Flash Point: DOES NOT FLASH
 Flash Point Method: OC
 Extinguishing Media: WATER, CO*2, FOAM, DRY CHEMICAL.
 Special Fire Fighting Proc: WEAR NIOSH/MSHA APPRVD SCBA & FULL PROT EQUIP
 (FP N) TO PROT FROM HF FUMES WHICH REACT W/WATER TO FORM HYDROFLUORIC ACID.
 DOES NOT BURN W/O AN (SEE SUPP DATA)
 Unusual Fire And Expl Hazrds: TOXIC FLUORINE COMPOUNDS EVOLVED IN FIRE.
 HYDROGEN FLUORIDE (HF), CARBONYL FLUORIDE, CO AND LOW MOLECULAR WEIGHT
 FLUOROCARBONS.

=====
 Reactivity Data
 =====

Cond To Avoid (Stability): TEFLON WILL BURN IN A ATMOSPHERE OF 95% OXYGEN
 WHEN AN IGNITION SOURCE IS PRESENT.
 Materials To Avoid: MOLTEN ALKALI METALS, INTERHALOGEN COMPOUNDS.
 Hazardous Decomp Products: >280C PRODUCT CAN EVOLVE TOXIC GASEOUS MATLS
 SUCH AS HF & PERFLUOROOLEFINS. THE OSHA PEL FOR HF IS 3 PPM. (SUPP DATA)
 Conditions To Avoid (Poly): NONE SPECIFIED BY MANUFACTURER.

=====
 Health Hazard Data
 =====

LD50-LC50 Mixture: NONE SPECIFIED BY MANUFACTURER.
 Route Of Entry - Inhalation: YES
 Route Of Entry - Skin: NO
 Route Of Entry - Ingestion: NO
 MECHANICAL IRRIT. INHAL: WHEN THERMALLY DECOMPOSED BY HEATING ABOVE 260C,
 OR BY SMOKING TOBACCO OR CIGS CONTAM W/POLYMER DUST, MAY CAUSE POLYMER FUME
 FEVER. SYMP ARE FLU-LIKE, W/CHILLS & FEVER, WHICH MAY NOT OCCUR UNTIL SEV
 HRS AFTER EXPOS & PASS OFF WITHIN (SEE EFTS OF OVEREXP)
 Carcinogenicity - NTP: NO
 Carcinogenicity - IARC: NO

Carcinogenicity - OSHA: NO

Explanation Carcinogenicity: NOT RELEVANT

Signs/Symptoms Of Overexp: HLTH HAZ: 36-48 HRS, EVEN IN ABSENCE OF TREATMENT. DUPONT REC TREATING POLYMER DUST AS A NUISANCE PARTICULATE, AND HAS ESTABLISHED AN AEL OF 10 MG/M3 TOTAL DUST, THE SAME AS THE TLV FOR OTHER NUISANCE PARTICULATES. (CHRONIC) NONE KNOWN.

Med Cond Aggravated By Exp: NONE KNOWN.

Emergency/First Aid Proc: INHAL: IF EXPOSED TO FUMES FROM OVERHEATING OR COMBUSTION, MOVE TO FRESH AIR. CONSULT MD IF SYMP PERSIST. EYES: FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MIN. CONSULT MD IF SYMP PERSIST. SKIN: IF MOLTEN POLYMER CONTACTS SKIN, COOL RAPIDLY WITH COLD WATER. DO NOT ATTEMPT CALL MD IMMED (FP N).

Precautions for Safe Handling and Use

Steps If Matl Released/Spill: SWEEP UP TO AVOID SLIPPING HAZARD.

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Method: LANDFILL OR INCINERATION IN COMPLIANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS. INCINERATION REQUIRES SCRUBBING OF GASEOUS PRODUCTS TO REMOVE HYDROGEN FLUORIDE.

Precautions-Handling/Storing: AVOID CONTAMINATION. KEEP CONTAINERS CLOSED. BEFORE USING, READ TEFLON "SAFETY IN HANDLING AND USE", BULLETIN E-35824-1.

Other Precautions: AVOID CONTAMINATION OF CIGARETTES OR TOBACCO WITH POLYMER DUST.

Control Measures

Respiratory Protection: USE NIOSH/MSHA APPROVED RESPIRATOR WHEN TEMPERATURE EXCEEDS 260C OR IF VENTILATION IS INADEQUATE TO MAINTAIN HF CONC BELOW THE PEL.

Ventilation: USE LOCAL EXHAUST TO COMPLETELY REMOVE VAPORS AND FUMES LIBERATED DURING HOT PROCESSING FROM THE WORK AREA.

Protective Gloves: NEOPRENE GLOVES.

Eye Protection: CHEMICAL WORKERS GOGGLES (FP N).

Other Protective Equipment: LONG SLEEVE SHIRT.

Work Hygienic Practices: NONE SPECIFIED BY MANUFACTURER.

Suppl. Safety & Health Data: FIRE FIGHT PROC: EXTERNAL FLAME. WEAR NEOPRENE GLOVES WHEN HANDLING REFUSE FROM A FIRE INVOLVING TEFLON. HAZ DECOMP PRODS: PARTICULATE MATTER EVOLVED FROM OVERHEATING MAY CAUSE POLYMER FUME FEVER.

Transportation Data

Trans Data Review Date: 91312

DOT PSN Code: ZZZ

DOT Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

IMO PSN Code: ZZZ

IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATION

IATA PSN Code: ZZZ

IATA Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

AFI PSN Code: ZZZ

AFI Prop. Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

Additional Trans Data: NOT REGULATED FOR TRANSPORTATION

Disposal Data

Label Data

Label Required: YES

Technical Review Date: 17JUL91

Label Date: 17JUL91

Label Status: G

Common Name: TEFLON FLUOROCARBON RESIN FEP, 100

Chronic Hazard: NO

Signal Word: CAUTION!

Acute Health Hazard-Slight: X

Contact Hazard-None: X

Fire Hazard-None: X

Reactivity Hazard-None: X

Special Hazard Precautions: ACUTE: MAY CAUSE RESPIRATORY TRACT IRRITATION. AVOID BREATHING DUSTS/FUMES. KEEP CONTAINER CLOSED. USE WITH ADEQUATE VENTILATION. CHRONIC: NONE LISTED BY MFR. NOTE: WHEN DECOMPOSED BY HEAT ABOVE 500 DEGREES F, OR BY SMOKING TOBACCO OR CIGARETTES CONTAMINATED WITH POLYMER DUST, MAY CAUSE POLYMER FUME FEVER, A FLU-LIKE ILLNESS W/FEVER & CHILLS. FEVER OCCURS SEVERAL HOURS AFTER EXPOSURE AND WILL PASS OFF IN 36-48 HOURS EVEN WITHOUT TREATMENT.

Protect Eye: Y

Protect Skin: Y

Protect Respiratory: Y

Label Name: E I DUPONT DE NEMOURS & CO INC

Label Street: 1007 MARKET STREET

Label City: WILMINGTON

Label State: DE

Label Zip Code: 19898

Label Country: US

Label Emergency Number: 800-441-3637; 800-424-9300 (CHEMTREC)