

DUPONT E I POLYMER PRODUCTS -- "TEFLON" PTFE FLUOROPOLYMER RESIN - PLASTIC SHEET
 MATERIAL SAFETY DATA SHEET
 NSN: 9330009931606
 Manufacturer's CAGE: 9V583
 Part No. Indicator: A
 Part Number/Trade Name: "TEFLON" PTFE FLUOROPOLYMER RESIN

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 General Information
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Item Name: PLASTIC SHEET
 Company's Name: DUPONT E I DE NEMOURS & CO, INC, POLYMER PRODUCTS
 Company's Street: 1007 N MARKET ST
 Company's City: WILMINGTON
 Company's State: DE
 Company's Country: US
 Company's Zip Code: 19898
 Company's Emerg Ph #: 800-441-3637/CHEMTREC 800-424-9300
 Company's Info Ph #: 800-441-7515/800-523-0372
 Distributor/Vendor # 1: MARINE AND PETROLEUM MFG INC
 Distributor/Vendor # 1 Cage: 51839
 Record No. For Safety Entry: 001
 Tot Safety Entries This Stk#: 001
 Status: SE
 Date MSDS Prepared: 11APR94
 Safety Data Review Date: 16OCT95
 Supply Item Manager: CX
 MSDS Preparer's Name: W.H. MARTIN
 Preparer's Company: DUPONT FLUOROPRODUCTS
 Preparer's St Or P. O. Box: CHESTNUT RUN PLAZA 713
 Preparer's City: WILMINGTON
 Preparer's State: DE
 Preparer's Zip Code: 19880-0713
 MSDS Serial Number: BXVQG
 Specification Number: D3293 ASTM
 Spec Type, Grade, Class: CL A GR 1 TY I
 Hazard Characteristic Code: N1
 Unit Of Issue: SH
 Unit Of Issue Container Qty: UNKNOWN
 Type Of Container: SHEET
 Net Unit Weight: UNKNOWN

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 Ingredients/Identity Information
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Proprietary: NO
 Ingredient: POLYTETRAFLUOROETHYLENE
 Ingredient Sequence Number: 01
 Percent: 100
 NIOSH (RTECS) Number: KX4025000
 CAS Number: 116-14-3
 OSHA PEL: NOT ESTABLISHED
 ACGIH TLV: NOT ESTABLISHED
 Other Recommended Limit: NONE RECOMMENDED

Proprietary: NO
 Ingredient: INGREDIENTS 3 & 4 ARE DECOMPOSITION PRODUCTS; NOT
 "INGREDIENTS". THEY SUPPLIED FOR INFORMATION ONLY.
 Ingredient Sequence Number: 02
 NIOSH (RTECS) Number: 9999999ZZ
 OSHA PEL: NOT ESTABLISHED
 ACGIH TLV: NOT ESTABLISHED
 Other Recommended Limit: NONE RECOMMENDED

Proprietary: NO
 Ingredient: HYDROGEN FLUORIDE (SARA 302/313) (CERCLA)
 Ingredient Sequence Number: 03
 Percent: <1
 NIOSH (RTECS) Number: MW7875000
 CAS Number: 7664-39-3
 OSHA PEL: 3 PPM (F)
 ACGIH TLV: C 3 PPM(F); 9495
 Other Recommended Limit: NONE RECOMMENDED

Proprietary: NO
 Ingredient: CARBONYL FLUORIDE (CERCLA)
 Ingredient Sequence Number: 04
 Percent: <1
 NIOSH (RTECS) Number: FG6125000
 CAS Number: 353-50-4
 OSHA PEL: 2 PPM
 ACGIH TLV: 2 PPM/5 STEL; 9495

Other Recommended Limit: NONE RECOMMENDED

Physical/Chemical Characteristics

Appearance And Odor: PLASTIC SHEET-24 INCHES LONG X 24 INCHES WIDE X 1 INCH THICK.
 Boiling Point: UNKNOWN
 Melting Point: 648F,342C
 Vapor Pressure (MM Hg/70 F): UNKNOWN
 Vapor Density (Air=1): UNKNOWN
 Specific Gravity: 2.1-2.3
 Decomposition Temperature: UNKNOWN
 Evaporation Rate And Ref: UNKNOWN
 Solubility In Water: INSOLUBLE
 Viscosity: UNKNOWN
 Corrosion Rate (IPY): UNKNOWN

Fire and Explosion Hazard Data

Flash Point: NON-FLAMMABLE
 Flash Point Method: OC
 Extinguishing Media: WATER FOG, CARBON DIOXIDE, DRY CHEMICAL, FOAM.
 Special Fire Fighting Proc: WEAR SELF-CONTAINED BREATHING APPARATUS & FULL PROTECTIVE GEAR. HYDROGEN FLUORIDE FUMES EMITTED DURING A FIRE CAN REACT W/WATER TO FORM HYDROFLUORIC ACID.
 Unusual Fire And Expl Hazrds: WEAR NEOPRENE GLOVES WHEN HANDLING REFUSE FROM FIRE.

Reactivity Data

Stability: YES
 Cond To Avoid (Stability): AVOID CONTACT WITH INCOMPATIBLE MATERIALS.
 Materials To Avoid: FINELY DIVIDED METAL POWDERS, STRONG OXIDIZING AGENTS.
 Hazardous Decomp Products: HEATING ABOVE 572F (300C) MAY CAUSE EVOLUTION OF PARTICULATE MATTER. HYDROGEN FLUORIDE & CARBONYL FLUORIDE MAY EVOLVE.
 Conditions To Avoid (Poly): NONE SPECIFIED BY MANUFACTURER.

Health Hazard Data

Route Of Entry - Inhalation: NO
 Route Of Entry - Skin: NO
 Route Of Entry - Ingestion: NO
 Health Haz Acute And Chronic: ACUTE: "TEFLON FLUOROCARBON RESINS ARE NOT HAZARDOUS AS SHIPPED. THE PRIMARY HAZARD ASSOCIATED WITH THESE RESINS IS THE INHALATION OF FUMES FORM OVERHEATING OR BURNING, WHICH MAY RESULT IN "POLYMER FUME FEVER". CHRONIC: PROLONGED OR REPEATED EXPOSUE TO HYDROGEN FLUORIDE FUMES MAY CAUSE LIVER OR KIDNEY DAMAGE.
 Carcinogenicity - NTP: NO
 Carcinogenicity - IARC: NO
 Carcinogenicity - OSHA: NO
 Explanation Carcinogenicity: NO INGREDIENT OF A CONCENTRATION OF 0.1% OR GREATER IS LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN.
 Signs/Symptoms Of Overexp: INHALATION OF HYDROGEN FLUORIDE FUMES OF DECOMPOSITION: CHOKING, COUGHING, SEVERE EYE, NOSE & THROAT IRRITATION; FLOWLED BY FEVER, CHILLS, DIFFICULTY BREATHING, CYANOSIS, PULMONARY EDEMA. INHALATION/INGESTION/SKIN/EYE CONTACT WITH CARBONYL FLUORIDE: SKIN IRRITATION, RESPIRATORY IRRITATION-COUGH, DIFFICULT BREATHIING.
 Med Cond Aggravated By Exp: INDIVIDUALS WITH PREEXISTING DISEASES OF THE LUNGS MAY HAVE INCREASED SUSCEPTIBILITY TO THE TOXICITY OF EXCESSIVE EXPSOURES FROM THERMAL DECOMPOSITION OF PRODUCTS.
 Emergency/First Aid Proc: INHALED-NOT A LIKELY ROUTE OF EXPOSURE. IF EXPOSED TO FUMES FROM OVERHEATING, MOVE TO FRESH AIR. SEE A DOCTOR IF SYMPTOMS PERSIST. SKIN: NOT HAZARDOUS BY SKIN CONTACT. IF POLYMER IS MOLTEN, TREAT AS BURN & GET MEDICAL HELP. DO NOT ATTEMPT TO REMOVE POLYMER. EYES-IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. CALL A DOCTOR. INGESTED-NO INTERVENTION NEEDED. SEE DOCTOR IF NEEDED.

Precautions for Safe Handling and Use

Steps If Matl Released/Spill: USE APPROPRIATE PERSONAL PROTETCIVE EQUIPMENT IF NEEDED. SWEEP UP AND PLACE IN A CONTAINER FOR LATER DISPOSAL.
 Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.
 Waste Disposal Method: PREFERRED OPTIONS ARE (1) RECYCLING & (2) LANDFILL. INCINERATE ONLY IF INCINERATION IS CAPABLE OF SCRUBBING OUT HYDROGEN FLUORIDE & OTHER ACIDIC COMBUSTION PRODUCTS. TREATMENT, STORAGE, TRANSPORTATION & DISPOSAL MUST BE IAW LOCAL, STATE & FEDERAL LAWS.
 Precautions-Handling/Storing: KEEP CONTAINERS CLOSED TO AVOID CONTAMINATION. AVOID BREATHING DUST. AVOID CONTAMINATION OF TOBACCO OR CIGRAETTES WITH DUST FROM THIS MATERIAL.
 Other Precautions: DO NOT USE A TORCH TO CLEAN THIS MATERIAL FROM EQUIPMENT WITHOUT LOCAL EXHAUST VENTILATION AND RESPIRATOR. MATERIAL IS

NON-FLAMMABLE IN AIR, BUT WILL BURN IF OXYGEN CONCENTRATION EXCEEDS 95%.

Control Measures

Respiratory Protection: RESPIRATOR NOT NEEDED IF LOCAL EXHAUST IS ADEQUATE. IF ENGINEERING CONTROLS FAIL OR NON-ROUTINE USE OR AN EMERGENCY OCCURS; WEAR AN MSHA/NIOSH APPROVED RESPIRATOR OR AN AIR-SUPPLIED RESPIRATOR OR SCBA, AS REQUIRED. USE IAW 29 CFR 1910.134.
Ventilation: IF PROCESS TEMPERATURES EXCEED 300F; LOCAL EXHAUST VENTILATION SUFFICIENT TO MAINTAIN EXPOSURE BELOW PEL(S)/TLV(S).
Protective Gloves: IF HOT/MOLTEN MATERIAL-HEAT RESISTANT.
Eye Protection: SAFETY GLASSES W/SIDE SHIELDS/FACESHIELD
Other Protective Equipment: IF HOT/MOLTEN MATERIAL; WEAR HEAT-RESISTANT CLOTHING AND FOOTWEAR.
Work Hygienic Practices: WASH HANDS AFTER HANDLING AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDRY CONTAMINATED CLOTHES BEFORE REUSE.

Transportation Data

Trans Data Review Date: 95289
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

Disposal Data

Label Data

Label Required: NO
Technical Review Date: 16OCT95
Label Status: N
Common Name: "TEFLON" PTFE FLUOROPOLYMER RESIN
Label Name: MARINE AND PETROLEUM MFG INC
Label Street: 9426 OLD KATY RD
Label City: HOUSTON
Label State: TX
Label Zip Code: 77055-6399
Label Country: US
Label Emergency Number: 713-468-8655