

E I. DUPONT DE NEMOURS & CO INC -- 100AC010 -- 6810-01-263-7487

===== Product Identification =====

Product ID:100AC010

MSDS Date:12/21/1988

FSC:6810

NIIN:01-263-7487

MSDS Number: BKQXN

=== Responsible Party ===

Company Name:E I. DUPONT DE NEMOURS & CO INC

Address:1007 MARKET STREET

City:WILMINGTON

State:DE

ZIP:19898

Country:US

Info Phone Num:800-441-7515

Emergency Phone Num:800-441-3637;800-424-9

300(CHEMTREC)

Preparer's Name:J B ARMITAGE

CAGE:NO322

=== Contractor Identification ===

Company Name:E I. DUPONT DE NEMOURS & CO INC

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Company Name:E.I. DUPONT DE NEMOURS & CO

Address:1007 MARKET STREET

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State:DE

ZIP:19898

Country:US

Phone:800-441-7515;800-441-9442

CAGE:18873

===== Composition/Information on Ingredients =====

Ingred Name:POLYOXYMETHYLENE

Ingred Name:FORMALDEHYDE HOMOPOLYMER

Ingred Name:POLYTETRAFLUOROETHYLENE

Ingred Name:STABILIZERS

Ingred Name:ANTIOXIDANTS

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===== Hazards Identification =====

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE: INGEST: NOT A PROBABLE ROUTE OF EXPOSURE. SKIN: NOT TOXIC. HOT POLYMER WILL CAUSE THERMAL BURNS.

EYE: MECHANICAL IRRITATION. INHAL: FORMALDEHYDE IS HIGHLY IRRITATING TO THE EYES AND UPPER RESPI RATORY TRACT. WHEN THE POLYMER IS THERMALLY DECOMPOSED IT MAY CAUSE POLYMER FUME FEVER. (SEE EFTS OF OVEREXP)

Explanation of Carcinogenicity:NOT RELEVANT.

Effects of Overexposure:HLTH HAZ: CHRONIC: FORMALDEHYDE RELEASED IN SMALL QUANTITY DURING MELT PROCESSING IS CLASSIFIED AS AN ANIMAL CARCINOGEN.

Medical Cond Aggravated by Exposure:PREEXISTING DISEASES OF THE LUNGS INCREAS

E SUSCEPTIBILITY TO THE TOXICITY OF EXCESSIVE EXPOSURE TO FORMALDEHYDE.

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===== First Aid Measures =====

First Aid:IF EXPOSED TO FUMES FROM OVERHEATING OR COMBUSTION, MOVE TO FRESH AIR. CONSULT MD IF SYMPTOMS PERSIST. FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. CONSULT MD IF SYMPTOMS PERSIST. IF MOLTE N POLYMER CONTACTS SKIN, COOL RAPIDLY WITH COLD WATER. DO NOT ATTEMPT TO PEEL POLYMER FROM SKIN. OBTAIN MEDICAL ATTENTION FOR THERMAL BURN. INGEST: CALL MD IMMEDIATELY .

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===== Fire Fighting Measures =====

Flash Point:612F,322C

Extinguishing Media:WATER, CO2, FOAM, DRY CHEMICAL.

Fire Fighting Procedures:PROTECTION FROM FUMES OF FORMALDEHYDE AND HYDROGEN FLUORIDE. WEAR NIOSH/MSHA APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT .

Unusual Fire/Explosion Hazard:BURNS WITH A COLORLESS FLAME. DELRIN DUST CLOUD IGNITION TEMP 440C. HAZ COMBUSTION PRODS: CO, FORMALDEHYDE TOXIC

FLUORINATED HYDROCARBONS & HYDROGEN FLUORIDE.

===== Accidental Release Measures =====

Spill Release Procedures:SWEEP UP TO PREVENT A SLIPPING HAZARD.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

===== Handling and Storage =====

Handling and Storage Precautions:DRY STORAGE. KEEP CONTAINERS CLOSED TO PREVENT CONTAMINATION. OPEN CONTAINERS ONLY IN WELL-VENTILATED AREAS.

Other Precautions:READ "SAFETY PRECAUTIONS TO OBSERVE WHEN HANDLING

MOLTEN DELRIN ACETAL RESIN" E-49703 AND "SAFETY PRECAUTIONS" IN MOLDING MANUAL E-09143 BEFORE USING DELRIN. AVOID PROLONGED HEATING ABOVE MELTING POINT (178C).

===== Exposure Controls/Personal Protection =====

Respiratory Protection:WEAR NIOSH/MSHA APPROVED RESPIRATOR APPROPRIATE FOR EXPOSURE OF CONCERN IF LOCAL EXHAUST DOES NOT KEEP FORMALDEHYDE CONCENTRATION BELOW 1 PPM.

Ventilation:LOCAL EXHAUST AT PROCESSING EQUIPMENT.

Protective G

loves:PROTECTIVE GLOVES REQUIRED.

Eye Protection:CHEMICAL WORKERS GOGGLES .

Other Protective Equipment:LONG-SLEEVE COTTON SHIRT AND LONG PANTS IF HANDLING MOLTEN POLYMER.

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

FL PT METH: ASTM 1929-62. MATLS TO AVOID: AVOID CONTAMINATING TOBACCO PRODUCTS. HAZ DECOMP PROD: LIMIT OF 2 PPM (15 MINUTE). HYDROGEN FLUORIDE HAS A PEL OF 3 PPM (8 HOUR TWA).

===== Physical/Chemical Properties =====

HCC:N1

Melt/Freeze Pt:M.P/F.P Text:342F,172C

Spec Gravity:1.54

Solubility in Water:INSOLUBLE

Appearance and Odor:GRANULES, SLIGHT FORMALDEHYDE ODOR.

===== Stability and Reactivity Data =====

STRONG ACIDS & BASES (DECOMPOSES FORMING FORMALDEHYDE) . STRONG OXIDIZING AGENTS. CARE SHOULD BE TAKEN TO (SEE SUPP DATA

Stability Condition to Avoid:HEATING ABOVE 230C (FORMS FORMALDEHYDE AND CAN ALSO EVOLVE HYDROGEN FLUORIDE & TOXIC FLUORINATED HYDRO

CARBONS).

Hazardous Decomposition Products: FORMALDEHYDE IS CLASSIFIED AS AN ANIMAL CARC, & HAS AN OSHA PEL OF 1PPM (8-HR TWA), & A SHORT TERM EXPOS (SEE SUPP DATA)

===== Disposal Considerations =====

Waste Disposal Methods: INCINERATION OR LANDFILL IN COMPLIANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS. ALKALINE SCRUBBING TO REMOVE GASEOUS COMBUSTION PRODUCT REQUIRED FOR INCINERATION.

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