

## **TEFLON FLUOROCARBON RESIN FEP, 100**

### **MSDS Number**

BLBHP

### **National Stock Number**

6850-00N015692

### **Product Name**

TEFLON FLUOROCARBON RESIN FEP, 100

### **Manufacturer**

DU PONT E I DE NEMOURS AND CO INC

### **Product Identification**

Product ID:TEFLON FLUOROCARBON RESIN FEP, 100

MSDS Date:10/18/1988

FSC:6850

NIIN:00N015692

MSDS Number: BLBHP

### **Responsible Party**

DU PONT E I DE NEMOURS & CO INC

1007 MARKET STREET

WILMINGTON , DE 19898

US

Emergency Phone: 800-441-3637/800-424-9300(CHEMTREC)

Info Phone: 800-441-7515/MSDS 302-992-3511

Preparer: W H MARTIN

Cage: 18873

### **Contractor**

E.I. DUPONT DE NEMOURS & CO

WILMINGTON, DE 19898

US

800-441-7515;800-441-9442

Cage: 18873

### **Ingredients**

FLUORINATED ETHYLENE PROPYLENE COPOLYMER

CAS: 25067-11-2

### **Hazards**

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

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

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

Health Hazards Acute and Chronic:(ACUTE) INGEST & SKIN: NOT TOXIC. EYE: 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)

Explanation of Carcinogenicity:NOT RELEVANT

Effects of Overexposure: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.  
Medical Cond Aggravated by Exposure:NONE KNOWN.

## First Aid

First Aid: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 MOL TEN POLYMER CONTACTS SKIN, COOL RAPIDLYWITH COLD WATER. DO NOT ATTEMPT TO PEEL POLYMER FROM SKIN. OBTAIN MEDICAL ATTN FOR THERMAL BURN. INGEST: CALL MD IMMED .

## Fire Fighting

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

## Accidental Release

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

## Handling

Handling and Storage Precautions: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.

## Exposure Controls

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 .  
Other Protective Equipment:LONG SLEEVE SHIRT.  
Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.  
Supplemental Safety and Health  
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.

## Chemical Properties

HCC:N1  
Melt/Freeze Pt:M.P/F.P Text:527F,275C  
Spec Gravity:2.1-2.2  
Solubility in Water:INSOLUBLE  
Appearance and Odor:WHITE TRANSLUCENT PELLETS WITH NO ODOR.

## Stability

MOLTEN ALKALI METALS, INTERHALOGEN COMPOUNDS.  
Stability Condition to Avoid:TEFLON WILL BURN IN A ATMOSPHERE OF 95% OXYGEN WHEN AN IGNITION SOURCE IS PRESENT.  
Hazardous Decomposition Products:>280C PRODUCT CAN EVOLVE TOXIC GASEOUS MATLS SUCH AS HF & PERFLUOROOLEFINS. THE OSHA PEL FOR HF IS 3 PPM. (SUPP DATA)

## Disposal

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

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