

E I DUPONT DE NEMOURS & CO INC -- KRYTOX 240 SERIES FLUORINATED GREASE-NEW, AC --  
9150-01-288-2665

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

Product ID:KRYTOX 240 SERIES FLUORINATED GREASE-NEW, AC

MSDS Date:05/05/1995

FSC:9150

NIIN:01-288-2665

MSDS Number: CCZCZ

=== Responsible Party ===

Company Name:E I DUPONT DE NEMOURS & CO INC

Address:1007 MARKET ST

City:WILMINGTON

State:DE

ZIP:19898

Country:US

Info

Phone Num:800-441-7515

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

CAGE:0ERJ7

=== Contractor Identification ===

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

Address:1007 MARKET STREET

City:WILMINGTON

State:DE

ZIP:19898

Country:US

Phone:800-441-7515

CAGE:0ERJ7

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

Address:1007 MARKET STREET

Box:City:WILMINGTON

State:DE

ZIP:19898

Country:US

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

CAGE:18873

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

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Ingred Name:PERFLUOROALKYLETHER  
CAS:60164-51-4  
Fraction by Wt: 73-82%  
OSHA PEL:N/K  
ACGIH TLV:N/K

Ingred Name:ETHYLENE, TETRAFLUORO-, POLYMER; (POLYTETRAFLUOROETHYLENE;  
(PTFE))  
CAS:116-14-3  
RTECS #:KX4025000  
Fraction by Wt: 18-27%  
OSHA PEL:N/K  
ACGIH TLV:N/K

==== Hazards Identification =====

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

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

Health Hazards Acute and Chronic:ACUTE: SKIN CONT MAY CAUSE IRRIT  
W/DISCOMFORT/RASH. PRLNG SKIN CONT MAY CAUSE REDNESS & INFLAMM OF  
HAIR FOLLICLES W/OUT SKIN SENSIT. EYE CONT MAY CAUSE IRRIT  
W/DISCOMFORT, TEARING/BLURRING OF VISION. INHAL OF FLUORINE CMPDS  
RELEASED AS DECOMP PRODS >290C (554F) MAY CAUSE LUNG IRRIT & PULM  
EDEMA (EFTS OF OVEREXP)

Explanation of Carcinogenicity:NOT RELEVANT.

Effects of Overexposure:HLTH HAZ: WHICH REQUIRE MED TREATMENT. INHAL OF  
FUMES/SM

OKE FROM OVERHEATED/BURNING GREASE MAY CAUSE POLYMER FUME  
FEVER, A TEMPORARY FLU-LIKE ILLNESS ACCOMPANIED BY FEVER, CHILLS, &  
SOMETIMES COUGH, O F APPROX 24 HRS DURATION. RPTD EPISODESOF  
POLYMER FUME FEVER MAY CAUSE LUNG DMG. TOX INFO: PROD CONTAINS A  
MILD EYE IRRITANT. A SINGLE INHAL EXPOS TO PERFLUOROALKYLETHER  
CAUSED NON-SPECIFIC EFTS SUCH AS RESP IRRIT. TOX EFTS DESCRIBED IN  
ANIMALS EXPOSED TO DECOMP PRODS OF PERFLUOROALKYLETHER FORMED ABOVE  
260C (500F) INCLUDE L

UNG IRRIT, IRREGULAR RESP, TREMORS & INCRD  
LIVER WT. PULM EDEMA & DEATH OC CURRED IN RATS EXPOSED TO THE  
(SUBDAT)

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:INHAL: REMOVE TO FRESH AIR. IF NOT BRTHG, GIVE ARTF RESP. IF  
BRTHG IS DFCLT, GIVE OXYGEN. CALL MD. SKIN: FLUSH W/WATER AFTER  
CONT. WASH CONTAM CLTHG BEFORE REUSE. EYES: IMMED FLUSH W/PLENTY OF  
WATER F OR AT LEAST 15 M

IN. CALL MD. INGEST: DO NOT INDUCE VOMIT.

IMMED GIVE 2 GLASSES OF WATER. NEVER GIVE ANYTHING BY MOUTH TO AN UNCON PERS. CALL MD. NOTES TO MD: ACTIVATED CHARCOAL MIX MAY BE ADMINISTERED . TO PREPARE ACTIVATED CHARCOAL MIX, SUSPEND 50 GRAMS ACTIVATED CHARCOAL IN 400 ML WATER & MIX THORO. ADMIN 5 ML/KG, OR 350 ML FOR AN AVERAGE ADULT.

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

Flash Point Method:PMCC

Flash Point:DOES NOT IGNITE

Extinguishing Media:AS

APPROPRIATE FOR COMBUSTIBLES IN AREA.

Fire Fighting Procedures:WEAR NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT .

Unusual Fire/Explosion Hazard:DECOMPOSITION AT FLAME TEMPERATURES MAY FORM TOXIC FLUORINE COMPOUNDS. AVOID BREATHING DECOMPOSITION PRODUCTS.

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

Spill Release Procedures:REVIEW FIRE FIGHTING MEASURES AND HANDLING (PERSONNEL) SECTIONS BEFORE PROCEEDING WITH CLEAN-UP. USE APPROPRIATE PERSONAL PROT

EFFECTIVE EQUIPMENT DURING CLEAN-UP. PLACE IN CONTAINER FOR DISPOSAL. REMOVE SOURCE OF HEAT AND FLAME.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:AVOID CONTACT WITH EYES AND SKIN. DO NOT STORE OR CONSUME FOOD, DRINK, OR TOBACCO IN AREAS WHERE THEY MAY BECOME CONTAMINATED WITH THIS MATERIAL.

Other Precautions:KEEP CONTAINER TIGHTLY CLOSED. KEEP AWAY FROM HEAT AND FLAMES TO AVOID DECOMPOSITION PRODUCT.

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

Respiratory Protection:WHERE THE POTENTIAL EXISTS FOR EXPOSURE TO DECOMPOSITION PRODUCTS DUE TO HEATING OR ELEVATED TEMPERATURES, WEAR NIOSH APPROVED RESPIRATORY PROTECTION AS APPROPRIATE.

Ventilation:NONE SPECIFIED BY MANUFACTURER.

Protective Gloves:IMPERVIOUS GLOVES.

Eye Protection:ANSI APPRVD CHEM WORKERS GOGGLES .

Other Protective Equipment:EMERGENCY EYEWASH AND DELUGE SHOWER MEETING

ANSI DESIGN CRITERIA . IMPERVIOUS APRON, PANTS, AND JACKET.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health

HAZARDOUS DECOMPOSITION PRODUCTS: IS RAISED >355C (670F). EFTS OF  
OVEREXP: DECOMP PRODS OF PERFLUOROALKYLETHER FORMED AT AROUND 290C  
(554F). A SINGLE INHAL EXPOS TO PTFE CAUSED IRRIT OF LUNGS. RPTD IN  
GEST EXPOS CAUSED NO SIGNIFICANT TOXICOLOGICAL EFTS. LONG-TERM  
INGESTION EXPOSURE CAUSED ALTERED WHITE BLOOD CELL COUNT.

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

Melt/Freeze Pt:M.P/F.P Text:608F,320C

Spec Gravity:1.89-1.93

pH:NEUT

Solubility in Water:NEGLIGIBLE WT%

Appearance and Odor:WHITE SOLID, WAXY GREASE, ODORLESS

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

Stability Indicator/Materials to Avoid:YES

NONE REASONABLY FORESEEABLE.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:DECOMP: HEATING >260-290C (500-554F)

MAY FO

RM POTENTIALLY TOX FLUORINE CMPDS. DEPOLYM MAY OCCUR IN

PRESENCE OF SOME METAL OXIDES AT TEMPS >288C (550F). DECOMP OCCURS

AT INCREASING RATES AS TEMP (SUBDAT)

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

Waste Disposal Methods:TREATMENT, STORAGE, TRANSPORTATION, AND DISPOSAL  
MUST BE IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE/PROVINCIAL,  
AND LOCAL REGULATIONS. DO NOT FLUSH TO SURFACE WATER OR SANITARY  
SEWER SYSTEM.

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