

DU PONT E I DE NEMOURS & CO INC -- KRYTOX 240, GRADE AB FLUOIRINATED GREASE-NEW --  
9150-01-088-0498

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Product Identification  
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Product ID:KRYTOX 240, GRADE AB FLUOIRINATED GREASE-NEW

MSDS Date:05/05/1995

FSC:9150

NIIN:01-088-0498

MSDS Number: BZNKQ

=== Responsible Party ===

Company Name:DU PONT E I DE NEMOURS & CO INC

Address:1007 MARKET STREET

Box:1635

City:WILMINGTON

State:DE

ZIP:19898

Country:US

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

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

Resp. Party Other MSDS Num.:DU008138

Preparer's Name:MSDS COORDINATOR

CAGE:18873

=== Contractor Identification ===

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:6016

4-51-4

Minumum % Wt:73.

Maxumum % Wt:82.

Other REC Limits:NONE RECOMMENDED

Ingred Name:POLYTETRAFLUOROETHYLENE; (PTFE)

CAS:116-14-3

RTECS #:KX4025000

Minumum % Wt:18.

Maxumum % Wt:27.

Other REC Limits:NONE RECOMMENDED

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Hazards Identification  
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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:SKIN:MAY CAUSE IRR

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W/DISCOMFORT/RASH.PROLONG CONTACT MAY CAUSE REDNESS/INFLAMM OF HAIR FOLLICLES W/O SKIN SENS.EYE:MAY CAUSE IRRIT

W/DISCOMFORT,TEAR,BLURRING OF VISION.INHAL:FLUORINE CMPDS RELEASED AS DECOMPO PROD >290C MAY CAUSE LUNG IRRIT/PULM EDEMA WHICH REQUIRE MED TREATMENT.INHAL:FUMES/SMOKE FRM OVERHEAT/(SUPPL)

Explanation of Carcinogenicity:PER MSDS:NONE OF COMPONENTS PRESENT IN MATL @CONCE EQUAL TO GREATER THAN 0.1% ARE LISTED BY IARC/NTP/OSHA/ACGIH AS CARCI

Effects of Overe

xposure:SKIN IRRIT W/DISCOMFORT/RASH.

REDNESS,INFLAMMATION OF HAIR FOLLICLES W/O SENSITIZATION. EYE IRRIT W/DISCOMFORT, TEARING, BLURRING OF VISION. LUNG IRRITATION, PULMONARY EDEMA, FUME FEVER, FEVER, CHILLS , COUGH.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:INHAL:REMOVE TO FRESH AIR.NOT BREATH GIVE ART RESP.DIFFI BREATH GIVE OXY.CALL DR.SKIN:FLUSH W/WATER AFT CONTACT.EYE:I N CASE

OF CONTACT IMMED FLUSH W/PLENTY OF WATER FOR @LEAST 15MINS.CALL DR.INGEST:DO NOT INDUCE VOMIT.IMMED GIVE 2 GLASSES OF WATER.NEVER GIVE ANYTHING BY MOUTH IF UNCONSC.CALL DR.NOTE TO DR:ACTIVATD CHARCOAL MIXTURE MAY BE ADMIN(SUSPEND 50G IN 400ML,MIX WELL.)ADMIN 5ML/KG OR 350ML.

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

Flash Point Method:PMCC

Flash Point:DOES NOT IGNITE

Extinguishing Media:AS APPROPRIATE FOR COMBUSTIBLES IN AREA.

Fire Fightin

g Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS. WEAR FULL PROTECTIVE EQUIPMENT. DECOMPO @FLAME TEMPS MAY FORM TOXIC FLUORINE CMPDS. AVOID BREATH DECOMPO PRODUCTS.

Unusual Fire/Explosion Hazard:NON-COMBUSTIBLE.

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

Spill Release Procedures:REVIEW FIRE FIGHTING MEASURES & HNDLG (PERSONNEL) SECTIONS BEFORE PROCEEDING W/CLEAN-UP. USE APPROPRIATE PERSONAL PROTECTIVE EQPMT DURING CLEAN-UP. PLACE IN CONTAINER FOR

DISPOSAL. REMOVE SOURCE OF HEAT/FLAME.  
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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Handling and Storage  
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Handling and Storage Precautions:AVOID CONTACT W/EYES.AVOID CONTACT W/SKIN.DO NOT STORE/CONSUME FOOD/DRINK/TOBACCO IN AREAS WHERE THEY MAY BECOME CONTAMINATED W/MATERIAL.  
Other Precautions:KEEP CONTAINER TIGHTLY CLOSED.KEEP AWAY FROM HEAT/FLAMES TO AVOID DECOMPOSITION PRODUCT.

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Exposure Controls/Personal Protection  
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Respiratory Protection:WHERE POTENTIAL EXISTS FOR EXPOSURE TO DECOMPOSITION PRODUCTS DUE TO HEATING OR ELEVATED TEMPERATURES WEAR NIOSH/MSHA APPROVED RESPIRATORY PROTECTION AS APPROPRIATE.

Ventilation:NONE SPECIFIED BY MANUFACTURER.

Protective Gloves:IMPERVIOUS GLOVES.

Eye Protection:SAFETY GLASSES, COVERALL CHEMICAL SPLASH GOGGLES

Other Protective Equipment:WHERE THERE'S POTENTIAL FOR SKIN CONTACT HAVE AVAILABLE & WEAR AS APPROPRIATE IMPERVIOUS GLOVES,APRON,PANTS,JACKETS.

Work Hygienic Practices:WASH CONTAMINATED CLOTHING BEFORE REUSE. WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health

HEALTH HAZARD:POLYMER FUME FEVER,MAY CAUSE POLYMER FUME FEVER,TEMPERATURE FLU-LIKE ILLNESS WITH FEVER,CHILLS,COUGH,OF 24 HOURS DURATION.REPEATED POLYMER FUME FEVER EPISODES MAY CAUSE LUNG DAMAGE.PERFLUOROALKYLETHERS:MILD EYE IRRITATION.INHALATION NON-SPECIFIC EFFECTS(RESPIRATORY IRRITATION).LUNG IRRITATION.LONG-TERM INGESTION EXPOSURE CAUSED ALtered WHITE BLOOD CELL COUNT.

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Physical/Chemical Properties  
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HCC:V6

Melt

/Freeze Point:=-320.C, 608.F

Specific Gravity:1.89-1.93 @24C

pH:NEUTRAL

Solubility in Water:NEGLECTIBLE.

Appearance and Odor:SOLID, WAXY GREASE, ODORLESS, WHITE COLOR.

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Stability and Reactivity Data  
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Stability Indicator/Materials to Avoid:YES

NONE REASONABLY FORESEEABLE.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:HEAT >260-290C MAY FORM POTENTIALLY TOXIC

FLUORINE COMPOUNDS.DECOMPOSITION OCCURS @INCREASED RATES AS TEMPERATURE IS RAISED >355C.

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Conditions to Avoid Polymerization:DEPOLYMERIZATION MAY OCCUR IN PRESENCE OF SOME METAL OXIDES @TEMPS >288C.

===== Toxicological Information =====

Toxicological Information:THE PRODUCT CONTAINS A MILD EYE IRRITATION. A SINGLE INHALATION EXPOSURE TO PERFLUOROALKYLETHET CAUSED NONSPECIFIC EFFECTS SUCH AS RESPIRATORY IRRITATION. TOXIC EFFECTS DESCRIBED IN ANIMALS EXPOSED TO DECOMPOSITION PRODUCTS OF PERFLUOROALKYLETHET FORMED ABOVE 260 C INCLUDE LUNG IRRITATION, IRREGULAR RESPIRATION, TREMORS AND INCREASED LIVER WEIGHT. PULMONARY EDEMA AND DEATH OCCURRED IN RATS EXPOSED TO THE DECOMPOSITION PRODUCTS OF PERFLUOROALKYLETHET FORMED AT AROUND 290C.

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

Waste Disposal Methods:TREATMENT/STORAGE/TRANSP/DISPO MUST BE IN ACCORDANCE W/APPLICABLE FED/STAT/PROVINCIAL/LOC REGS. DO NOT FLUSH TO SURFACE WATER OR SANITARY SEWER SYS.

===== MSDS Transport Information =====

Transport Information:NOT REGULATED.

===== Regulatory Information =====

SARA Title III Information:LISTED ON SARA SECTION 311, 312.  
Federal Regulatory Information:LISTED ON TSCA INVENTORY LIST.

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