

DUPONT -- 240AC, KRYTOX 240 SERIES FLUORINATED GREASE -- 9150-00-961-8995

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

Product ID:240AC, KRYTOX 240 SERIES FLUORINATED GREASE

MSDS Date:05/05/1995

FSC:9150

NIIN:00-961-8995

Status Code:A

MSDS Number: CKWMC

=== Responsible Party ===

Company Name:DUPONT

Address:1007 MARKET STREET

City:WILMINGTON

State:DE

ZIP:19898-5000

Country:US

Info Phone Num:PROD 800-441-751

5 MED: 8004413637

Emergency Phone Num:1-800-441-3637

Resp. Party Other MSDS Num.:DU008138

Chemtec Ind/Phone:(800)424-9300

CAGE:EO596

=== Contractor Identification ===

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

Address:RT US 211 N

Box:863

City:MARTINSBURG

State:WV

ZIP:25401

Country:US

Phone:304-274-2121

CAGE:0E731

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

Address:RT US 11 N

Box:863

City:MARTINSBURG

State:WV

ZIP:25401

Country:US

Phone:304-274-2121

CAGE:15756

Company Name:DUPONT

Address:1

007 MARKET STREET  
City:WILMINGTON  
State:DE  
ZIP:19898-5000  
Country:US  
Phone:PROD 800-441-7515 MED: 8004413637  
CAGE:EO596  
Company Name:DUPONT E I DE NEMOURS AND CO INC, POLYMER PRODUCT-TEFLON  
CO.  
Address:1007 MARKET ST  
Box:City:WILMINGTON  
State:DE  
ZIP:19898  
Country:US  
Phone:800-523-0372/346-4748  
CAGE:9V583  
Company Name:SDB CONSULTANTS LTD  
Address:401 WHITNEY AVE SUITE 120  
Box:City:GRETNA  
State:LA  
ZIP:70056  
Country:US  
Phone:504-366-9105  
Contract Num:SP0450-00-W-2049  
CAGE:0PGK2

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

Ingred Name:PERFLUOROALKYLETHER  
CAS:60164-51-4  
Minumum % Wt:73.  
Maxumum % Wt:82.  
Other REC Limits:10 MG/M3 T.DUST  
OSHA PEL:NONE ESTABLISHED  
ACGIH TLV:NONE ESTABLISHED

Ingred Name:PTFE  
CAS:9002-84-0  
RTECS #:KX4025000  
Minumum % Wt:18.  
Maxumum % Wt:27.  
Other REC Limits:10 MG/M3 T. DUST

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

LD50 LC50 Mixture:NO DATA PROVIDED FOR PRODUCT AS WHOLE.  
Reports of Carcinogenicity:NTP:N

O IARC:NO OSHA:NO

Health Hazards Acute and Chronic:SKIN CONTACT MAY CAUSE IRRITATION WITH DISCOMFORT OR RASH. PROLONGED SKIN CONTACT MAY CAUSE REDNESS & INFLAMMATION OF THE HAIR FOLLICLES WITHOUT SENSITIZATION. EYE CONTACT MAY CAUSE EYE IRRITATION WITH DISCOMFORT, TEARING OR BLURRING OF VISION. INHALATION OF FLUORINE COMPOUNDS RELEASED AS DECOMPOSITION PRODUCTS ABOVE 290 DEG C (554 DEG F) MAY CAUSE LUNG IRRITATION & PULMONARY EDEMA. INHALATION OF FUMES OR SMOKE FROM OVERHEATED OR BURNING GREASE MAY CAUSE POLYMER FUME FEVER, A TEMPORARY FLU-LIKE ILLNESS ACCOMPANIED BY FEVER, CHILLS, & COUGH FOR ABOUT 24 HOURS DURATION. REPEATED EPISODES OF POLYMER FUME FEVER MAY CAUSE LUNG DAMAGE.

Explanation of Carcinogenicity:NONE OF THE COMPONENTS PRESENT IN THIS MATERIAL AT CONCENTRATIONS EQUAL TO OR GREATER THAN 0.1% ARE LISTED BY IARC, NTP, OSHA OR ACGIH AS A CARCINOGEN.

Effects of Overexposure:SKIN IRRITATION WITH DISCOMFORT OR RASH.

PROLONGED SKIN CONTACT MAY CAUSE REDNESS AND INFLAMMATION OF THE HAIR FOLLICLES. EYE CONTACT MAY CAUSE IRRITATION WITH DISCOMFORT, TEARING OR BLURRING OF VISION. INHALATION MAY CAUSE LUNG IRRITATION, PULMONARY EDEMA, POLYMER FUME FEVER (FEVER, CHILLS, COUGH).

Medical Cond Aggravated by Exposure:NO DATA PROVIDED BY MANUFACTURER

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

First Aid:INHALATION: IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING; GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. CALL A PHYSICIAN. SKIN CONTACT: FLUSH SKIN WITH WATER AFTER CONTACT. WASH CONTAMINATED CLOTHING BEFORE REUSE. EYE CONTACT: IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. CALL A PHYSICIAN. INGESTION: IF SWALLOWED, DO NOT INDUCE VOMITING. IMMEDIATELY GIVE 2 GLASSES OF WATER. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

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

Flash Point Method:PMCC  
Flash Point:DOES NOT IGNITE  
Extinguishing Media:AS APPROPRIATE FOR COMBUSTIBLES IN AREA.  
Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS. WEAR 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 AND HANDLING SECTIONS

BEFORE PROCEEDING WITH CLEAN-UP. USE APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT DURING CLEAN-UP. PLACE IN CONTAINER FOR DISPOSAL. REMOVE SOURCE OF HEAT AND FLAME.

Neutralizing Agent:NO DATA PROVIDED BY MANUFACTURER

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

Handling and Storage Precautions:AVOID CONTACT WITH EYES. AVOID CONTACT WITH SKIN. WASH THOROUGHLY AFTER HANDLING. DO NOT STORE OR CONSUME FOOD, DRINK OR TOBACCO IN

AREAS WHERE THEY MAY BECOME CONTAMINATED WITH THIS MATERIAL. KEEP CONTAINER TIGHTLY CLOSED.

Other Precautions: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/MSHA APPROVED RESPIRATORY PROTECTION AS APPROPRIATE.

Ventilation:NO DATA PROVIDED BY MANUFACTURER.

Protective Gloves:IMPERVIOUS GLOVES.

Eye Protection:WEAR SAFETY GLASSES OR COVERALL SPLASH GOGGLES.

Other Protective Equipment:WHERE THERE IS POTENTIAL FOR SKIN CONTACT HAVE AVAILABLE AND WEAR AS APPROPRIATE, IMPERVIOUS APRON, PANTS, AND JACKET.

Work Hygienic Practices:NO DATA PROVIDED BY MANUFACTURER.

Supplemental Safety and Health

NOTE TO PHYSICIANS: ACTIVATED CHARCOAL MIXTURE MAY BE ADMINISTERED. TO PREPARE ACTIVATED CHARCOAL MIXTURE, SUSPEND 50 GRAMS ACTIVATED CHARCOAL IN 400

ML WATER AND MIX THOROUGHLY. ADMINISTER 5 ML/KG, OR 350 ML FOR AN AVERAGE ADULT.

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

HCC:N1

Melt/Freeze Pt:=-320.C, 608.F

Decomp Temp:Decomp Text:N/P[

Spec Gravity:1.89-1.93@ 24 DEG C

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

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

Stability Indicator/Materials to Avoid:YES

NONE REASONABLY FORESEEABLE.

Stability Condition to Avoid:STABLE.

Hazardous

Decomposition Products:DECOMPOSITION: HEATING ABOVE 260-290 DEG C (500-554 DEG F) MAY FORM POTENTIALLY TOXIC FLUORINE COMPOUNDS. DECOMPOSITION MAY OCCUR IN THE PRESENCE OF SOME METAL OXIDES AT TEMPERATURES ABOVE 288C/550F.

Conditions to Avoid Polymerization:POLYMERIZATION WILL NOT OCCUR.

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

Toxicological Information:ANIMAL DATA: PERFLUOROALKYLEETHER: INHALATION

4 HOUR ALC: 19.54 MG/L IN RATS. SKIN ABSORPTION ALD: >17,000 MG/KG

IN RATS. ORAL ALD: >25,000 MG/KG IN RATS. THE PRODUCT CONTAINS A MILD EYE IRRITANT. A SINGLE INHALATION EXPOSURE TO PERFLUOROALKYLEETHER CAUSED NONSPECIFIC EFFECTS DESCRIBED IN ANIMALS EXPOSED TO DECOMPOSITION PRODUCTS OF PERFLUOROALKYLEETHER FORMED ABOVE 260 DEG C (500 DEG F) INCLUDE IRRITATION, IRREGULAR RESPIRATION, TREMORS AND INCREASED LIVER WEIGHT. PULMONARY EDEMA AND DEATH OCCURRED IN RATS EXPOSED TO THE DECOMPOSITION PRODUCTS OF PERFLUOROALKYLEETHER FORMED AT AROUND 290 DEG C (554 DEG F).

===== Ecological Information =====

Ecological:NO DATA PROVIDED BY MANUFACTURER.

===== 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.

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

Transport Information:DOT PROPER SHIPPING NAME: NOT REGULATED. SHIPPING CONTAINERS: 2, 8 OZ POLYETHYLENE TUBES, 1 LB DOUBLE WALL JARS (POLYPROPYLENE INNER; POLYSTYRENE OUTER). 5-15 LB POLYETHYLENE PAILS. 50-75 LB WHITE HIGH DENSITY POLYETHYLENE PAILS.

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

SARA Title III Information:TITLE III HAZARD CLASSIFICATIONS SECTIONS 311/312: ACUTE: YES, CHRONIC: NO, FIRE: NO, REACTIVITY: NO

PRESSURE: NO.

Federal Regulatory Information:TSCA INVENTORY STATUS:  
REPORTED/INCLUDED.

State Regulatory Information:NO DATA PROVIDED BY MANUFACTURER

===== Other Information =====

Disclaimer (provided with this information by the compiling agencies):  
This information is formulated for use by elements of the Department  
of Defense. The United States of America in no manner whatsoever,  
expressly or implied, warrants this information to be accurate and  
disclaims all liability for its use. Any person utilizing this  
document should seek competent professional advice to verify and  
assume responsibility for the suitability of this information to their  
particular situation.