

E I DU PONT DE NEMOURS & CO, INC. -- FUEL OIL ADDITIVE NO 15 -- 6850-01-167-4788

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Product Identification  
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Product ID:FUEL OIL ADDITIVE NO 15

MSDS Date:01/21/1991

FSC:6850

NIIN:01-167-4788

MSDS Number: BMDVY

=== Responsible Party ===

Company Name:E I DU PONT 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/CHEMTREC 800-424-9300

CAGE:B0589

=== Contractor Identification ===

Company Name:E I DU PONT DE NEMOURS & CO

Address:RAKETSTRAAT, 100, RUE DE LA FUSEE

City:BRUSSEL

Country:BE

Phone:32-(0)15-401.505

CAGE:B0589

Company Name:E I DUPONT DE NEMOURS & CO, FREON PROD (REPLACED BY 73925)

Address:1007 MARKET ST

Box:City:WILMINGTON

State:DE

ZIP:19899

Country:US

Phone:800-441-3637-MED 800-424-9300-TRAN

CAGE:5P414

Company Name:FUEL QUALITY SERVICES, INC.

Address:4584 CANTRELL ROAD

Box:

1380

City:FLOWERY BRANCH

State:GA

ZIP:30542

Country:US

Phone:(800) 827-9790 - (770) 967-9790

CAGE:40161

Company Name:OCTEL AMERICA INC

Address:200 EXECUTIVE DR

Box:City:NEWARK

State:DE

ZIP:19702

Country:US

Phone:302-451-1356

CAGE:02SG7

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Composition/Information on Ingredients  
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Ingred Name:ALIPHATIC PETROLEUM SOLVENT - KEROSENE

CAS:8008-20-6

850201001-5029 P  
20- 30% & 5030 P 10-20%)  
Other REC Limits:NONE SPECIFIED

Ingred Name:STYRENE  
CAS:100-42-5  
RTECS #:WL3675000  
Fraction by Wt: 0 - 2%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:100 PPM  
ACGIH TLV:S,50PPM/100STEL;9293  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:DIMETHYLCYCLOHEXYLAMINE  
CAS:98-94-2  
RTECS #:GX1198000  
Fraction by Wt: 25 - 35%  
Other REC Limits:NONE SPECIFIED

Ingred Name:N,N'DISALYCYLIDENE-1,2 PROPANE DIAMINE  
CAS:94-91-7  
RTECS #:GP3130000  
Fraction by Wt: 2  
- 5%  
Other REC Limits:NONE SPECIFIED

Ingred Name:XYLENES (O-,M-,P- ISOMERS)  
CAS:1330-20-7  
RTECS #:ZE2100000  
Fraction by Wt: 0.5 - 5%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:100 PPM/150 STEL  
ACGIH TLV:100 PPM/150STEL;9091  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:ETHYL BENZENE  
CAS:100-41-4  
RTECS #:DA0700000  
Fraction by Wt: 0 - 0.2%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:100 PPM/125 STEL  
ACGIH TLV:100 PPM; 9091  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:3,5-XYLENOL  
CAS

:108-68-9  
RTECS #:ZE6475000  
Fraction by Wt: 0.1%  
Other REC Limits:NONE SPECIFIED

Ingred Name:MIXED CRESOLS XYLENOLS  
Fraction by Wt: 0.1-0.5%  
Other REC Limits:NONE SPECIFIED

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

LD50 LC50 Mixture:ORAL:RAT LD50 200-400 MG/KG(INGRED 4)  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:YES OSHA:NO  
Health Hazards Acute and Chronic:ACUTE-INHALATION:IRRITATION OF THE  
UPPER RESPIRATOR  
Y TRACT,COUGH,DIFFICULTY OF BREATHING,CNS  
DEPRESSION,LIVER & KIDNEY EFFECTS OR FATALITY.EYE/SKIN:MAY CAUSE  
ULCERATION,BURNS OR ALLERGIC SKIN REACTION .INGESTION:MAY CAUSE GI  
IRRITATION WITHBLEEDING,NAUSEA, VOMITING.ASPIRATION->CHEMICAL  
PNEUMONITIS.CHRONIC-NOT GIVEN.  
Explanation of Carcinogenicity:EXPOSURE TO STYRENE & OTHER CHEMICALS,  
INCLUDING BENZENE MAY ASSOCIATE WITH LEUKEMIA AND LYMPHOMA.  
Effects of Overexposure:INHALATION:NAUSEA,HEADACHE,DIZZINESS,LABORED  
BREATHING,  
WEAKNESS,CONFUSION,INCOORDINATION 7 LOSS OF  
CONSCIOUSNESS.THE PRODUCT IS A SKIN & EYE CORROSIVE.THE PRODUCT  
COMPONENTS MAY BE ABSORBED THROUGH TH E SKIN IN TOXIC  
AMOUNTS.INGESTION:TEMPORARY NERVOUS SYSTEM DEPRESSION;NONSPECIFIC  
DISCOMFORT SUCH AS NAUSEA,HEADACHE.  
Medical Cond Aggravated by Exposure:INDIVIDUALS WITH PREEXISTING  
DISEASES OF CNS, LIVER, KIDNEY, SKIN, CARDIOVASCULAR SYSTEM, LUNGS,  
OR BONE MARROW MAY BE MORE SUSCEPTIBLE TO THE EFFECTS FROM  
OVEREXPOSURE TO  
THIS PRODUCT.

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

First Aid:GET MEDICAL CARE IMMEDIATELY.INHALED:REMOVE TO FRESH AIR.GIVE  
CPR/OXYGEN IF NEEDED.EYE/SKIN:IMMEDIATELY FLUSH WITH WATER FOR 15  
MINUTES.INGESTION:DO NOT INDUCE VOMITING.IF CONSCIOUS,DRINK 2  
GLASSES OF WATER.NOTE TO PHYSICIAN:ACTIVATED CHARCOAL SLURRY MAY  
BE ADMINISTERED(50 G ACTIVATED CHARCOAL/400 ML WATER).ADMINISTER  
5ML/KG OR 350 ML FOR AN AVERAGE ADULT.

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Fire Fighting Measures =====

Flash Point Method:PMCC

Flash Point:110F,43C

Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL.

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. EVACUATE AREA. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:COMBUSTIBLE LIQUID

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

Spill Release Procedures:

SHUT OFF ALL SOURCES OF IGNITION.WEAR PROTECTIVE EQUIPMENT.SOAK UP WITH SAWDUST,SAND,OIL DRY OR OTHER ABSORBENT MATERIAL.THIS MATERIAL IS AN ICR(IGNITABLE,CORROSIVE,REACTIVE) SUBSTANCE UNDER CERCLA.A RELEASE OF 100 LBS SHOULD BE REPORTED.

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

Handling and Storage Precautions:STORAGE-STORE IN WELL VENTILATED AREA.STORE IN ACCORDANCE WITH NATIONAL FIRE PROTECTION ASSN REGULATIONS.

Other Precautions:THIS MATERIAL CONTAINS TRACE QUANTITIES (10PPM) OF BENZENE, A CHEMICAL KNOWN TO THE STATE OF CA TO CAUSE CANCER. USE ONLY WITH ADEQUATE VENTILATION. KEEP AWAY FROM HEAT, SPARKS, AND FLAMES. KEEP CONTAINER TIGHTLY CLOSED.

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

Respiratory Protection:RESPIRATOR IS REQUIRED IF AIRBORNE CONCENTRATIONS EXCEED THE TLV. WEAR NIOSH/MSHA APPROVED RESPIRATORY PROTECTION.

Ventilation:VENTILATION TO MEET THE PUBLISHED EXPOSURE LIMIT

VENTILATION EQUIPMENT MUST BE EXPLOSIVE PROOF.

Protective Gloves:BUTYL RUBBER

Eye Protection:SPLASH-PROOF GOGGLES & FACESHIELD

Other Protective Equipment:LONG-SLEEVE SHIRT, TROUSERS, RUBBER BOOTS, RUBBER APRON, HOOD AND JACKET, EYE WASH STATION & SAFETY SHOWER.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING. DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

NONE

===== Physical/Chemical P

roperties =====

HCC:F6

Boiling Pt:B.P. Text:351F,177C

Spec Gravity:0.90

Solubility in Water:IMMISCIBLE

Appearance and Odor:AMBER LIQUID - AMINES ODOR

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

Stability Indicator/Materials to Avoid:YES

NONE REASONABLY FORESEEABLE

Stability Condition to Avoid:HIGH HEAT, OPEN FLAMES

Hazardous Decomposition Products:DECOMPOSITION WILL NOT OCCUR.

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

Waste Dis

posal Methods:TREATMENT, STORAGE, TRANSPORTATION AND DISPOSAL

MUST BE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS. THIS MATERIAL MAY BE A RCRA REGULATED HAZARDOUS WASTE UPON DISPOSAL DUE TO THE IGNITABILITY CHARACTERISTIC.

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