

DU PONT E I DE NEMOURS AND CO INC -- KARMEX DF HERBICIDE -- 6840-01-341-9346

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

Product ID:KARMEX DF HERBICIDE

MSDS Date:11/17/1995

FSC:6840

NIIN:01-341-9346

MSDS Number: BXBSF

=== Responsible Party ===

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

Address:DU PONT CHEMICALS FLUORCHEMICALS

City:WILMINGTON

State:DE

ZIP:19898

Country:US

Info Phone Num:800-441-7515/ 3

02-774-6822

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

Preparer's Name:AGRICULTURAL PROD DIV.

CAGE:2S827

=== Contractor Identification ===

Company Name:DU PONT FLUOROPRODUCTS

Address:1007 MARKET STREET

Box:City:WILMINGTON

State:DE

ZIP:19898

Country:US

Phone:1-800-441-7515

CAGE:2S827

Company Name:EHRlich J C CHEMICAL CO INC

Address:500 SPRING RIDGE DR

Box:City:READING

State:PA

ZIP:19612-3848

Country:US

Phone:610-372-9700/FAX: 610-378-9744

CAGE:8C885

Company Name:GOURMET INQUE LTD

Add

ress:191 STANLEY ST  
Box:City:ELK GROVE VILLAGE  
State:IL  
ZIP:60007-1555  
Country:US  
Phone:847-296-6192/FAX: 800-542-1042  
CAGE:0TNN7  
Company Name:TIMBERLAND ENTERPRISES INC  
Address:140 ARKANSAS ST  
Box:557  
City:MONTICELLO  
State:AR  
ZIP:71655  
Country:US  
Phone:501-367-8561  
CAGE:1HB45

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

Ingred Name:DIURON (CERCLA)  
CAS:330-54-1  
RTECS #:YS8925000  
Fraction by Wt: 80%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:10 MG/M3  
ACGIH TLV:10 MG/M3;  
9596  
EPA Rpt Qty:100 LBS  
DOT Rpt Qty:100 LBS

Ingred Name:INERT INGREDIENTS  
Fraction by Wt: 20%  
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:ORAL LD50 (RAT) IS 2900 MG/KG  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE: CONTACT MAY CAUSE SKIN & EYE  
IRRITATION. INHALATION/INGESTION MAY CAUSE LIVER ENLARGEMENT,  
SP

LEEN & THYROID EFFECTS, DESTRUCTION OF RED BLOOD CELLS. CHRONIC:  
NONE SPECIFIED BY MANUFACTURER.

Explanation of Carcinogenicity:NO INGREDIENT OF A CONCENTRATION OF 0.1%  
OR GREATER IS LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN.

Effects of Overexposure:SKIN:IRRITATION, RASH. EYES:IRRITATION,  
TEARING, BLURRED VISION. INHALED/INGESTED:  
METHEMOGLOBINEMIA:CYANOSIS (BLUISH SKIN), WEAKNESS, SHORTNESS OF  
BREATH.

Medical Cond Aggravated by Exposure:INDIVIDUALS WITH PREEXISTING

DISEASES OF THE LIVER OR BONE MARROW MAY HAVE INCREASED  
SUSCEPTIBILITY TO THE TOXICITY OF EXCESSIVE EXPOSURE. NO ADEQUATE  
EPIDEMIOLOGICAL STUDIES ARE AVAILABLE FOR PRODUCT

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

First Aid:IN ALL CASES GET MEDICAL ATTENTION. EYES-IMMEDIATELY FLUSH  
WITH WATER FOR 15 MINUTES. SKIN-REMOVE CONTAMINATED CLOTHES. WASH  
WITH MILD SOAP & WATER. INHALED-REMOVE TO FRESH AIR. ADMINISTER  
OXYGEN OR A RTIFICIAL RESPIRATION AS N  
EEEDED. INGESTED-IF CONSCIOUS,  
IMMEDIATELY GIVE 2 GLASSES WATER & INDUCE VOMITING. CALL A  
PHYSICIAN.

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

Flash Point:NONE

Autoignition Temp:Autoignition Temp Text:851F

Lower Limits:0.07 G/L

Extinguishing Media:WATER SPRAY, DRY CHEMICAL, CARBON DIOXIDE, FOAM.

Fire Fighting Procedures:USE A SELF-CONTAINED BREATHING APPARATUS AND  
FULL PROTECTIVE EQUIPMENT. WATER USE MAY INCREASE CONTAMINATION  
HAZARD. CONSIDER ALLOWING  
FIRE TO BURN ITSELF OUT.

Unusual Fire/Explosion Hazard:LIKE MOST ORGANIC POWDERS OR CRYSTALS,  
UNDER SEVERE DUSTING CONDITIONS, THIS MATERIAL MAY FORM EXPLOSIVE  
MIXTURES WITH AIR.

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

Spill Release Procedures:USE APPROPRIATE PERSONAL PROTECTIVE  
GEAR/EQUIPMENT, INCLUDING SCBA. EVAUATE PERSONNEL. VENTILATE AREA.  
DIKE SPILL. PREVENT MATERIAL FROM ENTERING SEWERS, WATERWAYS OR LOW  
AREAS. SHOVEL OR SWEEP UP.

Neutral

izing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE IN A WELL-VENTILATED AREA. KEEP CONTAINER TIGHTLY CLOSED. DO NOT STORE OR CONSUME FOOD, DRINK OR TOBACCO IN AREAS WHERE THEY MAY BE CONTAMINATED

Other Precautions:AVOID BREATHING VAPORS OR MIST. AVOID BREATHING DUST. AVOID CONTACT WITH EYES, SKIN OR CLOTHING. WASH THOROUGHLY AFTER HANDLING.

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

Respiratory Protection:DLA-HMIS: IF ENGINEERING CONTROLS FAIL OR NON-ROUTINE USE OR AN EMERGENCY OCCURS; WEAR AN MSHA/NIOSH APPROVED RESPIRATOR WITH ORGANIC VAPOR CARTRIDGE OR AN AIR-SUPPLIED RESPIRATOR OR SCBA, AS REQUIRED . USE IAW 29 CFR 1910.134.

Ventilation:USE ONLY WITH ADEQUATE VENTILATION. KEEP CONTAINERS TIGHTLY CLOSED.

Protective Gloves:WATER-PROOF GLOVES.

Eye Protection:PROTECTIVE EYEWARE.

Other Protective Equipment:LONG SLEEVED SHIRT & LONG PANTS. SHOES PLUS

SOCKS. DLA-HMIS: EYE WASH STATION & SAFETY SHOWER.

Work Hygienic Practices:WASH HANDS AFTER HANDLING AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDER CONTAMINATED CLOTHES BEFORE REUSE.

Supplemental Safety and Health  
EPA REG # 352-508.

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

HCC:T4

NRC/State Lic Num:NONE

Solubility in Water:DISPERSIBLE

Appearance and Odor:BROWN GRANULES, ODORLESS. BULK DENSITY 32.5-39.5 LB/ FT3

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

Stability Indicator/Materials to Avoid:YES  
NONE REASONABLY FORSEEABLE.

Stability Condition to Avoid:STABLE AT NORMAL TEMPERATURES AND STORAGE CONDITIONS.

Hazardous Decomposition Products:NONE SPECIFIED BY MANUFACTURER.  
Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Waste Disposal Methods:DISCHARGE, TREATMENT, OR DISPOSAL MUST BE IAW NATIONAL, STATE/PROVINCIAL OR LOCA

L REGULATIONS. REMOVE NONUSEABLE

SOLID MATERIAL &/OR CONTAMINATED SOIL FOR DISPOSAL IN AN APPROVED & PERMITTED LANDFILL. DO NOT FLUSH TO SURFACE WATER OR SANITARY SEWER.

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