

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/ 30

2-774-6822

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

Addr

ess: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

===== 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; 9
596
EPA Rpt Qty:100 LBS
DOT Rpt Qty:100 LBS

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

===== 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,
SPL

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

===== 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 NE
EDED. INGESTED-IF CONSCIOUS,
IMMEDIATELY GIVE 2 GLASSES WATER & INDUCE VOMITING. CALL A
PHYSICIAN.

===== 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.

===== 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.
Neutrali

zing Agent:NONE SPECIFIED BY MANUFACTURER.

===== 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.

===== 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.

===== 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

===== 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.

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

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

REGULATIONS. REMOVE NONUSEABLE

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

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.