

E.I. DUPONT DE NEMOURS & CO (INC) -- KROVAR I DF HERBICIDE -- 6840-00-001-7710

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Product Identification
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Product ID:KROVAR I DF HERBICIDE

MSDS Date:06/17/1998

FSC:6840

NIIN:00-001-7710

Status Code:A

MSDS Number: CKVHS

=== Responsible Party ===

Company Name:E.I. DUPONT DE NEMOURS & CO (INC)

Address:1007 MARKET STREET

City:WILMINGTON

State:DE

ZIP:19898

Country:US

Info Phone Num:800-441-751

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Emergency Phone Num:(800)424-9300

Resp. Party Other MSDS Num.:DU005711

Chemtec Ind/Phone:(800)424-9300

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

Company Name:TIMBERLAND ENTERPRISES INC

Address:140 ARKANSAS ST

Box:557

City:MONTICELLO

State:AR

ZIP:71655

Country:US

Phone:501-367-8561

Contract Num:SP0450-01-M-D151

CAGE:1HB45

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

Ingred Name:BROMACIL (5-BROMO-3-SEC-BUTYL-6-METHYLURACIL)

CAS:314-40-9

RTECS #:YQ9100000

= Wt:40.

Other REC Limits:10 MG/M3 (DUPONT)

ACGIH TLV:10 MG/M3, 8HR TWA

Ingred Name:DIURON (3-(3,4-DICHLOROPHENYL)-1,1-DIMETHYLUREA)

CAS:330-54-1

RTECS #:YS8925000

= Wt:40.

Other REC Limits:1 MG/M3 (DUPONT)

ACGIH TLV:10 MG/M3

EPA Rpt Qty:100 LBS

DOT Rpt Qty:100 LBS

==== Hazards Identification =====

LD50 LC50 Mi

xture:ORAL RAT LD50 >2,500 MG/KG

Reports of Carcinogenicity:NTP:NO IARC:UNKNOWN OSHA:NO

Health Hazards Acute and Chronic:BROMOCIL: SKIN CONTACT MAY INITIALLY

CAUSE IRRITATION OR RASH. EYE CONTACT MAY INITIALLY INCLUDE

IRRITATION, TEARING OR BLURRING OF VISION. SIGNIFIGANT SKIN

PERMEATION & SYSTEMIC TOXICITY, AFTER SKIN CONTACT SEEMS UNLIKELY.

THERE ARE NO REPORTS OF HUMAN SENSITIZATION. DIURON: SKIN

IRRITATION WITH DISCOMFORT OR RASH. EYE IRRITATION WITH DISCOMFORT

, TEARING, OR BLURRING OF VISION; LIVER ENLARGEMENT ; SPLEEN AND THYROID EFFECTS; RED BLOOD CELL DESTRUCTION; OR REDUCTION OF THE BLOOD'S OXYGEN CARRYING CAPACITY. SIGNIFIGANT SKIN PERMEATION AFTER CONTACT SEEMS UNLIKELY. THERE ARE NO REPORTS OF HUMAN SENSITIZATION.

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:B

ROMOCIL: SKIN CONTACT MAY INITIALLY CAUSE

IRRITATION OR RASH. EYE CONTACT MAY INITIALLY INCLUDE IRRITATION,

TEARING OR BLURRING OF VISION. DIURON: SKIN IRRITATION WITH

DISCOMFORT OR RASH. EYE IRRITAT ION WITH DISCOMFORT , TEARING, OR

BLURRING OF VISION; LIVER ENLARGEMENT; SPLEEN AND THYROID EFFECTS;

RED BLOOD CELL DESTRUCTION; OR REDUCTION OF THE BLOOD'S OXYGEN

CARRYING CAPACITY (CAUSING CYANOSIS OR BLUE-TINTED SKIN).

Medical Cond Aggravated by Exposure:NOT PROVIDED BY M

ANUFACTURER

===== 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: IN CASE OF CONTACT, IMMEDIATELY WASH SKIN WITH SOAP AND WATER. WASH CONTAMINATED CLOTHING BEFORE REUSE. EYE: IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. CALL A PHYSICIAN. INGESTION: IF SWALLOWED, IMMEDIATELY GIVE 2 GLASSES OF WATER AND INDUCE VOMITING. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. CALL A PHYSICIAN.

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

Autoignition Temp:=420.C, 788.F

Lower Limits:0.135 G/L

Extinguishing Media:WATER SPRAY, FOAM, DRY CHEMICAL, CO2.

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS. WEAR FULL PROTECTIVE EQUIPMENT. USE WATER SPRAY. RUNOFF FROM FIRE CONTROL MAY BE A POLLUT

ION HAZARD. IF AREA IS HEAVILY EXPOSED TO FIRE AND IF CONDITIONS PERMIT . LET FIRE BURN ITSELF OUT SINCE WATER MAY INCREASE THE CONTAMINATION HAZARD.

Unusual Fire/Explosion Hazard:MAY BE IGNITED BY HEAT OR OPEN FLAME. LIKE MOST ORGANIC POWDERS OR CRYSTALS, UNDER SEVERE DUSTING CONDITIONS, THIS MATERIAL MAY FORM EXPLOSIVE MIXTURES IN AIR.

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

Spill Release Procedures:NOTE: REVIEW FIRE FIGHTING MEASURES AND HANDLING (PERSONNEL) SECTIONS BEFORE PROCEEDING WITH CLEAN-UP. USE APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT DURING CLEAN-UP. SHOVEL OR SWEEP UP. NEVER RETURN TO CONTAINER FOR REUSE. SCOOP INTO BAGS OR BOXES WITH PLASTIC OR ALUMINUM SHOVEL. IF SPILL AREA IS ON GROUND NEAR VALUABLE PLANTS OR TREES, REMOVE TOP 2 INCHES OF SOIL AFTER INITIAL CLEAN UP.

Neutralizing Agent:NOT PROVIDED BY MANUFACTURER

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

Handling and St

orange Precautions:HANDLING: AVOID BREATHING VAPORS OR MIST AVOID BREATHING DUST. AVOID CONTACT WITH EYES, SKIN, OR CLOTHING. WASH THOROUGHLY AFTER HANDLING. WASH CLOTHING AFTER USE. DO NOT STORE OR CONSUME FOOD, DRINK OR TOBACCO IN AREAS WHERE THEY MAY BECOME CONTAMINATED WITH THIS MATERIAL. USERS SHOULD: WASH HANDS

Other Precautions:HANDLING CONTINUED: BEFORE EATING, DRINKING, CHEWING GUM, USING TOBACCO OR USING THE TOILET. STORAGE: STORE IN A WELL VENTILATED PLACE.

KEEP CONTAINER TIGHTLY CLOSED. DO NOT STORE OR CONSUME FOOD, DRINK OR TOBACCO IN AREAS WHERE THEY MAY BECOME CONTAMINATED WITH THIS MATERIAL.

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

Respiratory Protection:USE ONLY WITH ADEQUATE VENTILATION. KEEP CONTAINER TIGHTLY CLOSED. ALWAYS FOLLOW LABEL INSTRUCTIONS WHEN USING THIS PRODUCT.

Ventilation:USE ONLY WITH ADEQUATE VENTILATION.

Protective Gloves:WATERPROOF GLOVES.

Other Protective Equipment:LONG-SLEEVED SHIRT AND LONG PANTS, SHOES PLUS SOCKS, COVERALLS.

Work Hygienic Practices:DO NOT STORE OR CONSUME FOOD, DRINK OR TOBACCO IN AREAS WHERE THEY MAY BECOME CONTAMINATED WITH THIS MATERIAL.

Supplemental Safety and Health
USERS SHOULD: WASH HANDS BEFORE EATING, DRINKING, CHEWING GUM, USING TOBACCO OR USING THE TOILET.

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

HCC:T5

Solubility in Water:DISPERSIBLE

Appearance and Odor:BROWN SOLID, NO ODOR.

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

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

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

Conditions to Avoid Polymerization:POLYMERIZATION WILL NOT OCCUR.

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

Toxicological Information:CHRONIC STUDIES (BROMOCIL): THE COMPOUND IS A MODERATE SKIN IRRITANT, IS A MILD TO MODERATE EYE IRRITANT, BUT IS NOT A S

KIN SENSITIZER. RABBITS ACUTELY EXPOSED VIA DERMAL ROUTE
DEMONSTRATED NO CLINICAL SIGNS OF TOXICITY, AND NO GROSS TISSUE
CHANGES WERE OBSERVED, AT THE HIGHEST DOSE, 5,000 MG/KG. CHRONIC
STUDIES (DIURON): THE COMPOUND IS A SKIN IRRITANT, IS AN EYE
IRRITANT AND IS NOT A SKIN SENSITIZER IN ANIMALS. TOXIC EFFECTS
DESCRIBED IN ANIMALS FROM SHORT EXPOSURES BY INHALATION, INGESTION
OR SKIN CONTACT INCLUDE: BLOOD EFFECTS, SPLEEN EFFECTS, THYROID
EFFECTS, METHEMGLOBINEMIA.

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

Ecological: THIS PRODUCT IS REGISTERED AND CONTROLLED UNDER EPA/FIFRA.
EPA REGISTRY NUMBER: 352-505.

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

Waste Disposal Methods: TREATMENT, STORAGE, TRANSPORTATION, AND DISPOSAL
MUST BE IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE/PROVINCIAL,
AND LOCAL REGULATIONS. REMOVE NONUSABLE SOLID MATERIAL AND/OR
CONTAMINATED SOIL, FOR DISPOSAL IN AN APPROVED AND PERMITTED
LANDFILL. DO NOT FLUSH TO SURFACE WATER OR SANITARY SEWER SYSTEM.

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

Transport Information: DOT/IMO PROPER SHIPPING NAME: NOT REGULATED *
*IF 100 POUNDS OF DIURON OR MORE PER PKG: OTHER REGULATED
SUBSTANCE, LIQUID, N.O.S. (DIURON), 9, NA3082, PG III. (NOTE FROM
DLA-HMIS STAFF THIS IS NOT THE CASE FOR THIS NSN WHICH CONTAINS 6
LBS OF PRODUCT, NET WEIGHT).

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

SARA Title III Information: TITLE III SARA, SECTION 311/312 HAZARD
CLASSIFICATION SYSTEM: ACUTE-YES; CHRONIC-YES; FIRE-NO;
REACTIVITY-NO; PRESSURE; NO. SARA/CERCLA REPORTABLE QUANTITY:
DIURON (100 LBS).

Federal Regulatory Information: NOT PROVIDED BY MANUFACTURER

State Regulatory Information: NOT PROVIDED BY MANUFACTURER

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

Disclaimer (provided with this information by the compiling agency)

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