CIBA-GEIGY CORPORATION, AGRICULTURAL DIVISION -- SUBDUE 2E (METALAXYL) -- 6840-00N006678

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Product Identification

Product ID: SUBDUE 2E (METALAXYL)
MSDS Date: 01/01/1987
FSC: 6840
NIIN: 00N006678
MSDS Number: BCNJN

=== Responsible Party ===
Company Name: CIBA-GEIGY CORPORATION, AGRICULTURAL DIVISION
Address: 410 SWING ROAD
Box: 18300
City: GREENSBORO
State: NC
ZIP: 27419
Info Phone Num: 919-292-7100
Emergency Phone Num: 800-888-8372 OR 800-334-9481
CAGE: CIBAG

=== Contractor Identification ===
Company Name: CIBA-GEIGY CORP, AGRICULTURAL DIV.
Address: 410 SWING ROAD
Box: 18300
City: GREENSBORO
State: NC
ZIP: 27419
Phone: 800-888-8372 OR 800-334-9481
CAGE: 8K340
Company Name: CIBA-GEIGY CORPORATION, FURANE PRODUCTS
Address: 5121 SAN FERNANDO ROAD WEST
City: LOS ANGELES
State: CA
ZIP: 90039
Country: US
Phone: 818-247-6210
CAGE: CIBAG

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Composition/Information on Ingredients

Ingred Name: METALAXYL: N-(2,6-DIMETHYLPHENYL)-N-(METHOXYACETYL)ALANINE METHYL ESTER
CAS: 57837-19-1
RTECS #: AY6910000
Fraction by Wt: 25%

Ingred Name: INERT INGREDIENTS
Fraction by Wt: 75%

Ingred Name: XYLENE RANGE AROMATIC SOLVENT (42% INCLUDED IN INERT INGREDIENTS)
ACGIH TLV: S, 100 PPM (MFR)

Ingred Name: PROPYLENE GLYCOL MONOMETHYL ETHER
CAS: 107-98-2
RTECS #: UB7700000
OSHA PEL: 100 PPM/150 STEL  
ACGIH TLV: 100 PPM/150 STEL: 9192

------------------------ Hazards Identification ------------------------

Effects of Overexposure: EYES: CORROSIVE. SKIN: MODERATELY IRRIT; MAY DEFEAT SKIN. INHAL: PRLNG INHAL MAY CAUSE (SEE OTHR PREC)

------------------------ First Aid Measures ------------------------

First Aid: EYES: FLUSH W/PLENTY OF H*2O FOR AT LEAST 15 MIN & GET MED ATTN. SKIN: WASH W/SOAP & H*2O. GET MED ATTN IF IRRITATION OCCURS. INHALATION: IF INHALED, REMOVE TO FRESH AIR. INGESTION: DO NOT INDUCE VOMITING. GIVE MILK OR H*2O & GET MEDICAL ATTENTION.

------------------------ Fire Fighting Measures ------------------------

Flash Point: 96F, TCC (TYPICAL  
Extinguishing Media: DRY CHEMICAL EXTINGUISHER OR CARBON DIOXIDE  
Fire Fighting Procedures: TREAT AS OIL-GAS FIRE WHERE CONFINE, REDUCE (SEE OTHR PRECAUTION)  
Unusual Fire/Explosion Hazard: FLAMMABLE LIQUID

------------------------ Accidental Release Measures ------------------------

Spill Release Procedures: SOAK UP SPILL W/ABSORBENT MATERIAL SUCH AS EXCESS LIME. SWEEP INTO A DISPOSABLE CONTAINER. WASH SURFACES WELL W/H*2O CONTAINING CAUSTIC SODA, FOLLOWED BY WASH W/DETERGENT. DO NOT ALLOW TO CONTAMINATE H*2O SUPPLIES.

------------------------ Handling and Storage ------------------------

Handling and Storage Precautions: DO NOT USE, POUR, STORE OR SPILL NEAR OPEN FLAME. DO NOT REUSE OPEN CONTAINER.  
Other Precautions: SPECL FIRE FIGHT PROC: VAPOR & OTHER DISCHARGES TO ENVIRON AS QUICK AS POSS. EFFECTS OF OVEREXP: HEADACHE, DIZZY, NAUSEA. INGEST: CHEM PNEUMONIA POSS IF VOMIT. RESP PROTECT: NOT NEC FOR NORM USE

------------------------ Exposure Controls/Personal Protection ------------------------

Respiratory Protection: NIOSH/MSHA APVD RESPIRATOR FOR PRLNG USE/SPECIAL CASE, (SEE OTHR PREC)  
Ventilation: OPEN IN WELL VENT AREA. DONT BREATHE VAPS IN CONFINED SPACE.  
Protective Gloves: RUBBER GLOVES  
Eye Protection: GOGGLES OR FACE SHIELD  
Other Protective Equipment: CLOTHES, EQUIP CONSISTENT W/GOOD PESTICIDE HANDLING, APPLICATN  
Supplemental Safety and Health  
VAP DENSITY, % VOLATILE BY VOL, EVAP RATE: NOT AVAILABLE. SOLUBILITY IN H*2O: GIVEN FOR ACTIVE INGREDIENT. LEL: 1.6% +/- 0.25% BY VOL @ 50C. UEL: 5.0% +/- 0.25% BY VOL @ 50C.

------------------------ Physical/Chemical Properties ------------------------

HCC: F4
Boiling Pt:B.P. Text:155 +/- 5C
Vapor Pres:3
Spec Gravity:1.01
Solubility in Water:0.7%
Appearance and Odor:LIGHT YELLOW LIQUID; AROMATIC SOLVENT ODOR

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

Stability Indicator/Materials to Avoid:YES
AVOID CONTAMINATION W/H*2O & ALKALIES
Stability Condition to Avoid: AVOID STORAGE AT HIGH TEMPERATURES;
PROTECT FROM ALKALIES
Hazardous Decomposition Products:NONE

==================== Disposal Considerations ====================
Waste Disposal Methods:CONSULT QUALIFIED LOCAL OR CORPORATE PERSONNEL
FOR METHODS THAT WILL COMPLY W/LOCAL,STATE & FEDERAL HEALTH &
ENVIRONMENTAL REGULATIONS. DO NOT CONTAMINATE H*2O SUPPLIES.

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