

UNITED HORTICULTURAL SUPPLY -- TURFGO BETASAN 4-E TURF HERBICIDE

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MSDS Safety Information

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FSC: 6840

MSDS Date: 09/02/1992

MSDS Num: CGPWP

LIIN: 00N083215

Product ID: TURFGO BETASAN 4-E TURF HERBICIDE

MFN: 01

Responsible Party

Cage: UHXRT

Name: UNITED HORTICULTURAL SUPPLY

Address: 150 SOUTH MAIN ST

City: FREMONT NE 68025-5697

Info Phone Number: 303-356-4400

Emergency Phone Number: 303-356-4400;800-424-9300(CHEMTREC)

Published: Y

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Contractor Summary

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Cage: UHXRT

Name: UNITED HORTICULTURAL SUPPLY

Address: 150 SOUTH MAIN ST

City: FREMONT NE 68025-5697

Phone: 303-356-4400

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Ingredients

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Cas: 741-58-2

RTECS #: TE0250000

Name: PHOSPHORODITHIOIC ACID, O,O-DIISOPROPYL ESTER, S-ESTER WITH
N-(2-MERCAPTOETHYL) BENZENESULFONAMIDE; (BENSULFIDE)

% Wt: 46

OSHA PEL: N/K (FP N)

ACGIH TLV: N/K (FP N)

Name: ING 1: LD50 (ORAL RAT): 20,000 MG/KG

Cas: 64742-95-6

RTECS #: WF3400000

Name: SOLVENT NAPHTHA (PETROLEUM), LIGHT AROMATIC; (PETROLEUM DISTILLATES)

% Wt: 35-45

OSHA PEL: N/K (FP N)

ACGIH TLV: N/K (FP N)

Name: INERT INGREDIENTS

% Wt: 9-19

OSHA PEL: N/K (FP N)

ACGIH TLV: N/K (FP N)

Cas: 1330-20-7

RTECS #: ZE2100000

Name: XYLENE (SARA 313) (CERCLA) %: 1.75-6.75

% Wt: <6.75

OSHA PEL: 100 PPM

ACGIH TLV: 100 PPM/150 STEL

EPA Rpt Qty: 1000 LBS

DOT Rpt Qty: 1000 LBS

Cas: 95-63-6

RTECS #: DC3325000

Name: BENZENE, 1,2,4-TRIMETHYL-; (1,2,4-TRIMETHYLBENZENE) (SARA 313)

% Wt: 7.35-18

OSHA PEL: 25 PPM
ACGIH TLV: 25 PPM

Cas: 98-82-8
RTECS #: GR8575000
Name: CUMENE (SARA 313) (CERCLA) %: 1.05-2.25
% Wt: <2.25
OSHA PEL: 50 PPM, S
ACGIH TLV: 50 PPM, S
EPA Rpt Qty: 5000 LBS
DOT Rpt Qty: 5000 LBS

Cas: 100-41-4
RTECS #: DA0700000
Name: BENZENE, ETHYL-; (ETHYLBENZENE) (MFR INVALID CAS # 100-41-8) %: 1.05-1.35
% Wt: <1.35
OSHA PEL: N/K (FP N)
ACGIH TLV: N/K (FP N)
EPA Rpt Qty: 1000 LBS
DOT Rpt Qty: 1000 LBS

Name: FIRST AID PROC: WASH CLTHG BEFORE REUSE. IF IRRIT PERSISTS, GET MED ATTN.
INHAL: REMOVE TO FRESH AIR. IF BRTHG

Name: ING 9: IS DFCLT, ADMIN OXYGEN. IF BRTHG STOPS ADMIN ARTF RESP. GET MED
ATTN IMMED. NOTES TO MD: THIS PROD IS AN

Name: ING 10: ORG PHOSPHATE INSECTICIDE. IF SYMPS OF CHOLINESTERASE INHIBITION
APPEAR, ATROPINE SULFATE BY INJECTION

Name: ING 11: IS ANTIDOTAL. 2-PAM IS ALSO ANTIDOTAL & MAY BE ADMIN IN
CONJUNCTION W/ATROPINE. SOLVS USED IN THIS PROD

Name: ING 12: CAN PRESENT SERIOUS HLTH HAZS IF INGESTED. IF EMESIS HAS NOT
OCCURRED SPONT, GASTRIC LAVAGE, USING A

Name: ING 13: CUFFED ENDOTRACHEAL TUBE, MAY BE INDICATED. ADMIN OF ACTIVATED
CARBON IN WATER CAN HELP ABSORB CHEM

Name: ING 14: REMAINING IN STOMACH.

Name: WASTE DISP METH: LANDFILL/BY OTHER PROC APPRVD BY STATE & LOC AUTH.
PLASTIC: TRIPLE RINSE EMPTY CONTR & OFFER

Name: ING 16: FOR RECYCLING/RECONDITIONING, OR PUNCTURE & DISP OF IN
SANITARY LANDFILL/INCIN, OR, IF ALLOWED BY STATE

Name: ING 17: & LOC AUTH BY BURNING. IF BURNED, STAY OUT OF SMOKE. DO NOT
CONTAM WATER SUPPLIED BY DISP OF WASTES OR

Name: ING 18: CONTAINERS. DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, AND
FEDERAL REGULATIONS (FP N).

Name: OTHER PREC: EQUIP/DISP OF WASTES. KEEP WORK & STOR AREAS CLEAN. TOX
TO FISH & OTHER AQUATIC ORGANISMS.

Name: ING 20: READ AND FOLLOW PRECAUTIONARY MEASURES ON PRODUCT LABEL.

Name: OTHER PROT EQUIP: PESTICIDES. WEAR PROT CLTHG, INCL LONG PANTS,
LONG-SLEEVED SHIRT, HAT & RUBBER BOOTS DURING

Name: ING 22: MIXING AND LOADING OPERATIONS AND DURING APPLICATION.

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Health Hazards Data

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LD50 LC50 Mixture: SEE INGREDIENT 1.
Route Of Entry Inds - Inhalation: YES
Skin: YES
Ingestion: YES
Carcinogenicity Inds - NTP: NO
IARC: NO
OSHA: NO

Effects of Exposure: ACUTE: BENSULFIDE IS A CHOLINESTERASE INHIBITOR. OVEREXP CAN LEAD TO DEPRESSED CNS ACTIVITY, SALIVATION, SWEATING, HDCH, NAUS, TWITCHING, TREMORS, INCOORD, BLURRED VISION, TEARS, ABDOM CRAMPS, DIARR & CHEST DISCOMFORT. MAY CAUSE SUBSTANTIAL BUT TEMPORARY EYE DMG. SOLVS IN THIS PROD MAY CAUSE CNS SYMPS (EFTS OF OVEREXP)

Explanation Of Carcinogenicity: NOT RELEVANT.

Signs And Symptions Of Overexposure: HLTH HAZ: SUCH AS NAUS, VOMIT, DIARR, GI DISTRESS, & CAN, IN SEV CASES, LEAD TO KIDNEY/LIVER DMG.

Medical Cond Aggravated By Exposure: PREEXISTING SKIN/RESP DISORDERS. PERS W/DEPRESSED CHOLINESTERASE LEVELS/HEMOLYTIC ANEMIAS/WHO ARE UNDER TREATMENT W/MORPHINE, THEOPHYLLINE, AMINOPHYLLINE/PHENOTHIAZINE DRUGS MAY SHOW PRONOUNCED EFTS.

First Aid: CALL MD IMMED IN ALL CASES OF SUSPECTED POISONING. INGEST: DRINK 1-2 GLASSES OF MILK/WATER TO DILUTE. DO NOT INDUCE VOMIT, AS POTENTIAL ASPIR OF FLUIDS INTO LUNGS MAY INDUCE CHEM PNEUM. CALL MD IMMED. EYES: FLUSH W/RUNNING WATER FOR AT LEAST 15 MIN WHILE HOLDING EYELIDS OPEN TO HELP FLUSH OUT MATL. GET MED ATTN. SKIN: REMOVE ALL CONTAM CLTHG. WASH SKIN & HAIR THORO W/SOAP & WATER. ING 9)

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Handling and Disposal
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Spill Release Procedures: CONTAIN SPILL; ABSORB LIQUIDS BY COVERING WITH CLAY OR OTHER ABSORBENT MATERIAL. THEN VACUUM OR SCOOP AND SWEEP UP WASTES AND PLACE IN CONTAINER FOR DISPOSAL.

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Methods: MATL WHICH CANNOT BE USED AT SITE SHOULD BE DISPOSED OF IN APPRVD WASTE DISP FACILITY FOLLOWING ALLL APPLIC FED, STATE & LOC REGS. METAL: TRIPLE RINSE EMPTY CONTR & OFFER FOR RECYCLING/RECONDITIONING, OR PUNCTURE & DISP OF IN A SANITARY

Handling And Storage Precautions: STORE IN COOL, DRY PLACE AWAY FROM CHILDREN, DOMESTIC ANIMALS, FOOD & FEED PRODUCTS, SEED & FERTILIZER.

Other Precautions: DO NOT CONTAMINATE OTHER STORED PRODS/STOR AREA BY HNDLG/STOR OF THIS PROD. IMMED CLEAN UP ANY SPILLS WHICH OCCUR DURING HNDLG & STOR. PROTECT FROM FREEZING. DO NOT CONTAMINATE WATER SUPPLIES BY HNDLG /STOR OF PROD, CLEANING OF

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Fire and Explosion Hazard Information
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Flash Point Text: 104F,40C

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

Fire Fighting Procedures: WEAR NIOSH APPRVD SCBA & FULL PROT EQUIP (FP N). SMOKE & FUMES FROM FIRE CONTAIN HAZ COMPONENTS. FIGHT FIRE FROM UPWIND SIDE. AVOID RUN-OFF. (SUP DAT)

Unusual Fire/Explosion Hazard: IF WATER IS USED TO FIGHT FIRE/COOL CONTRS, CONTAIN RUN-OFF BY DIKING TO PVNT CONTAM OF WATER SUPPLIES. CONTRS IN FIRE MAY BURST/EXPLODE FROM EXCESS (SUP DAT)

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Control Measures
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Respiratory Protection: NOT NORMALLY REQUIRED. IF VAPORS MAY EXCEED ACCEPTABLE LEVELS, WEAR NIOSH APPROVED RESPIRATOR OR MASK TO PROTECT AGAINST PESTICIDES DUSTS, MISTS AND VAPORS.

Ventilation: LOC EXHST/SPECIAL: NOT NORM REQUIRED. MECH (GEN): USE IF VENT IS NOT ADEQ. OTHER: WORK IN WELL-VENTILATED AREA.

Protective Gloves: RUBBER OR IMERVIOUS GLOVES RECOMMENDED.

Eye Protection: ANSI APPRVD CHEM WORKERS GOGGLES (FP N).

Other Protective Equipment: ANSI APPRVD EMER EYEWASH & DELUGE SHOWER (FP N). WEAR CLTHG CONSISTENT W/GOOD PRACT FOR HNDLG & APPLYING

Work Hygienic Practices: WASH USED CLOTHING BEFORE REUSE.
 Supplemental Safety and Health: FIRE FIGHT PROC: KEEP NON-ESSENTIAL PERS AWAY
 FROM IMMED FIRE AREA & OUT OF ANY FALL-OUT/RUN-OFF AREAS. EXPLO HAZ:
 HEAT. STAY WELL BACK FROM FIRE AREA. HAZ DECOMP PROD: FIRE SITUATION.
 INCOMPLETE COMB UST MAY LEAD TO FORM OF CARCON MONOXIDE, &/OR OTHER
 ASPHYXIANTS.

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Physical/Chemical Properties

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B.P. Text: >300F,>149C
 Vapor Pres: 31.0
 Vapor Density: 0.032
 Spec Gravity: 1.07 (H*20=1)
 Evaporation Rate & Reference: LOWER THAN BUTYL ACETATE
 Solubility in Water: EMULSIFIES
 Appearance and Odor: AMBER COLORED LIQUID WITH AROMATIC SOLVENT ODOR

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Reactivity Data

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Stability Indicator: YES
 Stability Condition To Avoid: EXCESSIVE HEAT. IGNITION SOURCES.
 Materials To Avoid: STRONG OXIDIZERS.
 Hazardous Decomposition Products: OXIDES OF SULFUR, OXIDES OF NITROGEN,
 PHOSPHORUS-CONTAINING CMPDS & OTHER UNKNOWN HAZ MATLS MAY BE FORMED IN (SUP
 DAT)
 Hazardous Polymerization Indicator: NO
 Conditions To Avoid Polymerization: NOT RELEVANT.

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Toxicological Information

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Ecological Information

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MSDS Transport Information

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Regulatory Information

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Other Information

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HAZCOM Label

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Product ID: LABEL COVERED UNDER EPA REGS - HAZCOM LABEL NOT AUTHORIZED

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