CIBA-GEIGY CORP, AGRICULTURAL DIV. -- TINOPAL CBS-X -- 6850-01-306-2469

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

Product ID:TINOPAL CBS-X
MSDS Date:05/18/1993
FSC:6850
NIIN:01-306-2469
MSDS Number: CCCHS

=== Responsible Party ===
Company Name:CIBA-GEIGY CORP, AGRICULTURAL DIV.
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:8K340

=== 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:TILLEY CHEMICAL CO
CAGE:3D914

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

Ingred Name:DISTYRYL BIPHENYL DERIVATIVES
Fraction by Wt: 100% %
Other REC Limits:NONE RECOMMENDED

================ HAZARDS IDENTIFICATION =================

LD50 LC50 Mixture:ORAL LD50 >5000 MG/KG
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reprots of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:EYE: CORROSIVE, BURNS, & IRRITATION.
SKIN: IRRITATION. INHALATION/INGESTION: HARMFUL.
Explanation of Carcinogenicity:THIS COMPOUND CONTAINS NO INGREDIENTS AT
CONCENTRATIONS OF 0.1% OR GREATER THAT ARE CARCINOGENS OR SUSPECT
CARCINOGENS.
Effects of Overexposure:EYE:BURNS, & IRRITATION. SKIN:IRRITATION.
INGESTION: STOMACHACHE, DIARRHEA. INHALATION: COUGHING. 
Medical Cond Aggravated by Exposure: NONE SPECIFIED BY MANUFACTURER.

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

First Aid: EYES: IMMEDIATELY FLUSH W/ WATER FOR AT LEAST 15 MINUTES. GET MED ATTENTION AND SEE OPHTHALMOLOGIST. SKIN: REMOVE CONTAMINATED CLOTHING & FLUSH W/ LARGE AMOUNTS OF WATER. IF IRRITATION PERSISTS, CONTACT P HYSICIAN. INHALATION: REMOVE TO FRESH AIR. INGESTION: IF CONSCIOUS, GIVE PLENTY OF WATER TO DRINK. GET MEDICAL ATTENTION. IF UNCONSCIOUS, DO NOT GIVE ANYTHING TO DRINK.

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

Flash Point: NONFLAMMABLE
Lower Limits: NOT GIVEN
Upper Limits: NOT GIVEN
Extinguishing Media: CO2, DRY CHEMICAL, FOAM, WATER
Fire Fighting Procedures: USE SELF-CONTAINED BREATHING APPARATUS.
Unusual Fire/Explosion Hazard: FIRE MAY PRODUCE HAZARDOUS AND/OR TOXIC DECOMPOSITION PRODUCTS.

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

Spill Release Procedures: WEAR DUST MASK. SHOVEL INTO APPROVED DISPOSAL CONTAINER. VACUUM CONTAMINATED AREA. AVOID CREATING DUSTY CONDITIONS.
Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions: EMPTY CONTAINER MAY CONTAIN RESIDUES OF THE PRODUCT & SHOULD NOT BE REUSED FOR ANY PURPOSE W/O RECONDITIONING.
Other Precautions: AVOID BREATHING DUST, VAPOR OR MIST. KEEP CONTAINER CLOSED. FOR INDUSTRIAL USE ONLY.

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

Respiratory Protection: IN CASES WHERE THERE IS A LIKELIHOOD OF INHALATION EXPOSURE TO THE POWDER (DUST), WEAR A NIOSH APPROVED DUST RESPIRATOR.
Ventilation: LOCAL EXHAUST AND MECHANICAL (GENERAL) VENTILATION AS REQUIRED TO MAINTAIN EXPOSURE LEVELS.
Protective Gloves: NONE SPECIFIED BY MANUFACTURER.
Eye Protection: GOGGLES
Other Protective Equipment: CHEMICAL RESISTANT CLOTHING AS NECESSARY TO PREVENT SKIN CONTACT. AN EMERGENCY EYEWASH AND SHOWER SHOULD BE AVAILABLE.
Work Hygienic Practices: WASH HANDS THOROUGHLY WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES.

Supplemental Safety and Health
NONE SPECIFIED BY MANUFACTURER.

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

HCC:N1
Boiling Pt: B.P. Text: NOT GIVEN
Melt/Freeze Pt: M.P/F.P Text: NOT GIVEN
Decomp Temp: Decomp Text: NOT GIVEN
Vapor Pres: NOT GIVEN
Vapor Density: NOT GIVEN
Spec Gravity: NOT GIVEN
pH: 7-8.5
Evaporation Rate & Reference: NOT GIVEN
Solubility in Water: SLIGHT, 25 G/L
Appearance and Odor: YELLOW-GREEN GRANULES, NO ODOR

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

Stability Indicator/Materials to Avoid: YES
NONE SPECIFIED BY MANUFACTURER.
Stability Condition to Avoid: NONE SPECIFIED BY MANUFACTURER.
Hazardous Decomposition Products: OXIDES OF CARBON, NITROGEN OR SULFUR

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

Waste Disposal Methods: BURY/INCINERATE IN APPROVED SITE/FACILITY IN ACCORDANCE W/ LOCAL, STATE & FEDERAL REGULATIONS.

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.