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WHITMIRE RESEARCH LABORATORIES INC. -- PERMA-DUST PRESSURIZED BORIC ACID DUST -- 6840-01-287-3938

Product ID:PERMA-DUST PRESSURIZED BORIC ACID DUST MSDS Date:05/08/1998 FSC:6840 NIIN:01-287-3938 Status Code:A MSDS Number: CJLWK === Responsible Party === Company Name: WHITMIRE RESEARCH LABORATORIES INC. Address:3568 TREE COURT INDUSTRIAL BLVD. City:SAINT LOUIS Stat e:MO ZIP:63122 Country:US Info Phone Num:314-225-5371/AFTER HRS 576-0120 Emergency Phone Num:800-777-8570 Resp. Party Other MSDS Num.: PRODUCT CODE 02-0249 Preparer's Name: DANA M. THOMAS Chemtrec Ind/Phone:(800)424-9300 CAGE:67184 === Contractor Identification === Company Name: AMJAY CORP. DBA AMJAY CHEMICALS Address:11200 WESTHEIMER SUITE 310 Box:218786 City:HOUSTON State:TX ZIP:77218-8786 Country:US Phone:713-492-2000 Contract Num:SP0450-99-D-4059 CAGE:64184 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 Contract Num:SP0450-99-M-C281 CAGE:8C885 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 Contract Num:SP0450-99-M-NE77 CAGE:8C885 Company Name: WHITMIRE MICRO GEN RESEARCH LABORATORIES, INC. Address:3568 TREE COURT IND. BLVD. Box:Citv:ST LOUIS

untry:US Phone:636-225-5371 CAGE:67184

Ingred Name:BORIC ACID CAS:10043-35-3 RTECS #:ED4550000 = Wt:35.5 Other REC Limits:NONE RECOMMENDED Ingred Name: ISOPARAFFINIC PETROLEUM SOLVENT (INGREDIENT #2 TO 5 = 64.5%) CAS:64742-48-9 Code:F Other REC Limits:NONE RECOMMENDED OSHA PEL:500 PPM Ingred Name:1,1,1,2-TETRAFLUOROETHANE (INGREDIENT #2 TO 5 = 64.5%) CAS:811-97-2 Other REC Limits:1000 PPM AEL DUPONT Ingred Name:1,1-DIF LUOROETHANE (INGREDIENT #2 TO 5 = 64.5%) CAS:75-37-6 RTECS #:KI1410000 Other REC Limits:1000 PPM AEL DUPONT Ingred Name:SILICON DIOXIDE (INGREDIENT #2 TO 5 = 64.5%) CAS:7631-86-9 Other REC Limits:NONE RECOMMENDED ACGIH TLV:10 MG/M3

LD50 LC50 Mixture:LD50 (ORAL, RAT) > 5,000 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:TAR GET ORGANS: N/P. ACUTE AND CHRONIC - EYES: MAY CAUSE IRRITAITON. PRODUCED CONJUNCTIVAL IRRITATION IN RABBITS AT 1 HR ONLY. NO CORNEAL OPACITY WAS OBSERVED DURING THE 7 DAY TESTING PERIOD. SKIN: PRO LONGED EXPOSURE MAY CAUSE SKIN IRRITATION. PRIMARY SKIN IRRITATION INDEX = 1.63 (RABBIT). INGESTION AND INHALATION: UNLIKELY DUE TO PRODUCT BEING PRESSURIZED AND PRODCING PARTICLES LARGE ENOUGH NOT TO BE RESPIRABLE. Explanation of Carcinogenicity:NONE Effects of Overexposure:EY ES: MAY CAUSE IRRITAITON. SKIN: PROLONGED EXPOSURE MAY CAUSE SKIN IRRITATION. Medical Cond Aggravated by Exposure:NONE KNOWN. First Aid: IF SWALLOWED: CALL A PHYSICIAN OR POISON CONTROL CENTER. DRINK 1 OR 2 GLASSES OF WATER AND INDUCE VOMITING BY TOUCHING BACK OF THROAT WITH FINGER. IF PERSON IS UNCONSCIOUS, DO NOT GIVE ANYTHING BY M OUTH AND DO NOT INDUCE VOMITING. IF IN EYES: FLUSH EYES WITH PLENTY OF W ATER. CALL A PHYSICIAN IF IRRITATION PERSISTS. IF ON SKN: WASH WITH PLENTY OF SOAP AND WATER. GET MEDICAL ATTENTION. IF INHAL ED: REMOVE VICTIM TO FRESH AIR. IF NOT BREATHING, APPLY ARTIFICIAL RESPIRATION, PREFERABLY MOUTH-TO-MOUTH. GET MEDICAL ATTENTION. Flash Point Method:TOC Flash Point:>18" NONFLAMMABL Extinguishing Media:CARBON DIOXIDE (CO2), DRY CHEMICAL, FOAM. Fire Fighting Procedures:NONE REQUIRED. Unu sual Fire/Explosion Hazard: CONTENTS UNDER PRESSURE. EXPOSURE TO TEMPERATURES ABOVE 130F MAY CAUSE BURSTING.

Spill Release Procedures: IF CONTAINER BEGINS TO LEAK (THROUGH PUNCTURE, ETC.), ALLOW IT TO DISCHARGE COMPLETELY IN WELL VENTILATED AREA, THEN DISPOSE OF IN SAFE PLACE. IN CASE OF SPILLAGE ON SKIN, WASH THOROUGHLY WITH PLENTY OF SOAP AND WATER.

Handling and Storage Precautions: DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE. STORE IN A COOL, DRY AREA AWAY FROM HEAT OR OPEN FLAME AND INASSESSIBLE TO CHILDREN. DO NOT STORE NEAR HEAT, SPARKS OR OPEN FLAME. CONTENTS UNDER PRE SSURE. DO NOT PUNCTURE OR INCINERATE CONTAINER. Other Precautions: EXPOSURE TO HEAT ABOVE 130F MAY CAUSE BURSTING. FOR BEST RESULTS, USE IN UPRIGHT POSITION ONLY, HARMFUL IF SWALLOWED OR ABSORBED THROUH THE SKIN. AVOID CONTACT WITH SK IN, EYES OR CLOTHES. WASH THOROUG HLY WITH SOAP AND WATER AFTER HANDLING.DO NOT APPLY DIRECTLY TO WATER. APPLY ONLY AS SPECIFIED ON TH E LABEL. Respiratory Protection: NONE REQUIRED IF APPLIED ACCORDING TO LABEL DIRECTIONS. DURING PROLONGED EXPOSURE OR WHEN EXPOSURE GUIDELINES EXCEEDED, USE AN APPROVED PESTICIDE DUST RESPIRATOR. Ventilation:NONE NORMALLY REQUIRED. PROVIDE ADEQUATE VENTILATION OF TREATMENT A REA. Protective Gloves: NONE REQUIRED. AVOID CONTACT WITH SKIN. Eye Protection: NOT MANDATORY. GOGGLES OR FACE SHIELD SUGGESTED-AVOID EYE CONTACT. Other Protective Equipment:NONE REQUIRED Work Hygienic Practices: WASH THOROUGHLY AFTER HANDLING. Supplemental Safety and Health NONE SPECIFIED BY MANUFACTURER. HCC:V2 Vapor Pres:70 PSIG @ 70F

Spec Gravity:0.86 Solubility in Water:4.72% @ 20C Appearance and Odor:SPRAYS AS A DRY PO WDER WITH A SLIGHT SOLVENT ODOR. Percent Volatiles by Volume:64.19%

Stability Indicator/Materials to Avoid:YES NONE.

Stability Condition to Avoid:DO NOT SPRAY INTO OPEN FLAME OR ONTO VERY HOT SURFACES.

Hazardous Decomposition Products: THERMAL DECOMPOSITION IN OPEN FLAME WILL RESULT IN HALOGEN ACIDS.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

oxicological Information:ACUTE DERMAL TOXICITY LD50 > 2000 MG/KG (RABBITS)
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Ecological:THIS PRODUCT IS TOXIC TO FISH, BIRDS AND OTHER WILDLIFE.
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Waste Disposal Methods:DO NOT CONTAMINATE FOOD, WATER OR FEED BY DISPOSAL. PESTICIDE DISPOSAL: WASTES RESULTING FROM USE OF THIS PRODUCT MAY BE DISPOSED OF ON SITE OR AT AN APPROVED WASTE DISPOSAL FAC
ILITY. CONTAINER DISPOS AL: THE CONTAINER MAY BE RECYCLED WHERESTEEL AEROSOL CAN RECYCLING IS AVAILABLE. BEFORE DISPOSIING, EMPTY CAN BY USING THE PRODUCT IAW THE LABEL.
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Transport Information: PROPER SHIPPING NAME: CONSUMER COMMODITY. HAZARD CLASS: ORM-D.
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 SARA Title III Information:THIS PRODUCT CONTAINS NO SECTION 313 CHEMICALS. IN CASE OF SPILLAGE, THIS PRODUCT IS SUBJECT TO THE REPORTING REQUIREMENTS OF THE COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION AND LIABILITY ACT (CERCLA). Federal Regulatory Information:ALL COMPONENTS OF THIS PRODUCT ARE LISTED OR EXCLUDED FROM LISTING ON THE US TOXIC SUBSTANCE CONTROL ACT (TSCA) CHEMICAL SUBSTANCE INVENTORY. State Regulatory Information:NONE SPECIFIED BY MANUFACTURER.
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