View NSN Online: https://aerobasegroup.com/nsn/6810-00-153-0191

Product ID:BORIC ACID, ACS MSDS Date:02/15/1998 FSC:6810 NIIN:00-153-0191 MSDS Number: CJKFR === Responsible Party === Company Name: PHOENIX INDUSTRIES INC Address:11028 LEADBETTER RD UNIT 10 City:ASHLAND State:VA ZIP:23005 Country:US Info Phone Num:804-264-5183 Emergency Phone Num:804-264-5183 Resp. Party Other MSDS Num.: PRODUCT CODE: 468 Chemtrec Ind/Phone:(800)424-9300 CAGE:0YED2 === Contractor Identification === Company Name: PHOENIX INDUSTRIES INC Address:1519 CHAMBERLAYNE PARKWAY Box:City:RICHMOND State:VA ZIP:23222 Country:US Phone:804-264-5183/FAX: 264-5535 Contract Num:SP0450-99-M-C774 CAGE:0YED2 Company Name: PHOENIX INDUSTRIES INC Address:1519 CHAMBERLAYNE PARKWAY Box:City:RICHMOND State:VA ZIP:23222 Country:US Phone:804-264-5183/FAX: 264-5535 Contract Num:SP0450-99-M-NH03 CAGE:0YE

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CAGE:0YED2

Ingred Name:BORIC ACID CAS:10043-35-3 RTECS #:ED4550000 = Wt:99.

LD50 LC50 Mixture:LD50=2660 MG/KG (RAT) Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES R

eports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:CHRONIC: TARGET ORGANS: KIDNEYS, CENTRAL NERVOUS SYSTEM, CARDIOVASCULAR SYSTEM. PROLONGED OR REPEATED SKIN CONTACT MAY CAUSE DERMATITIS. MAY CAUSE BORISM CHARACTERIZED BY DRY SKIN, SKIN ERUPTIONS, AND GASTRIC DISTURBANCES. ACUTE: CAUSES IRRITATION ON EYE OR SKIN CONTACT. IF INGESTED: CAUSES GASTROINTESTINAL IRRATATION WITH NAUSEA, VOMITING AND DIARRHEA. MAY CAUSE CENTRAL NERVOUS SYSTEM DEPRESSION,

CHARACTERIZED BY EXCITEMENT, FOLLOWED BY HEADACHE, DIZZINESS, DROWSINESS, ANDNAUSEA. ADVANCED STAGES MAY CAUSE COLLAPSE, UNCONSCIOUSNESS, COMA AND POSSIBLE DEATH DUE TO RESPIRATORY FAILURE. MAY CAUS E TISSUE ANOXIA.

Effects of Overexposure:INGESTION-CNS DEPRESSION IS CHACTERIZED BY EXCITEMENT, FOLLOWED BY HEADACHE, DIZZINESS, DROWSINESS AND NAUSEA. ADVANCED STAGES MAY CAUSE COLLAPSE, UNCONSCIOSUNESS, COMA AND POSSIBLE DEATH DUE TO RESPI RATORY FAILURE. MA Y CAUSE TISSUE ANOXIA, CHACTERIZED BY WEAKNESS, HEADACHE, DIZZINESS, CONFUSION, CYANOSIS, WEAK AND IRREGULAR HEART BEAT, COLLAPSE, UNCONSCIOUSNESS, CONVULSION, COMA AND DEATH.

First Aid:EYES-FLUSH WITH PLENTY OF WATER FOR 15 MIN, OCCASIONALLY LIFTING THE UPPER & LOWER LIDS. GET MEDICAL AID. SKIN-FLUSH SKIN WITH PLENTY OF SOAP & WATER FOR 15 MIN WHILE REMOVING CONTAMINATED CLOTHES/SHO ES. GET MEDICAL AID

IF IRRITATION DEVELOPS OR PERSISTS.

INGESTION-INDUCE VOMITING. IF VICTIM IS CONSCIOUS AND ALERT, GIVE 2-4 CUPFULS OF MILK OR WATER. GET MEDICAL ATTENTION IMMEDIATELY. INHALATION-GE T MEDICAL AID IMMEDIATELY. REMOVE FROM EXPOSURE TO FRESH AIR IMMEDIATELY. IF NOTBREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. NOTE TO PHYSICIAN: TREAT SYMPTOMATICALLY AND SUPPORTIVELY.

Ext

inguishing Media:SUBSTANCE IS NONCOMBUSTIBLE; USE AGENT MOST APPROPRIATE TO EXTINGUISH SURROUNDING FIRE. Fire Fighting Procedures:AS IN ANY FIRE, WEAR A SELF-CONTAINED BREATHING APPARATUS IN PRESSURE-DEMAND, MSHA/NIOSH (APPROVED OR EQUIVALENT), AND FULL PROTECTIVE GEAR.

Spill Release Procedures:USE PROPER PERSONAL PROTECTIVE EQUIPMENT AS INDICATED IN THIS MSDS. VACUUM OR SWEEP UP MATERIAL AND PLACE INTO A S UITABLE DISPOSAL CONTAINER. AVOID GENERATING DUSTY CONDITIONS.

Neutralizing Agent:SODA ASH

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL-VENTILATED AREA AWAY FROM INCOMPATIBLE SUBSTANCES. WASH THOROUGHLY AFTER HANDLING. USE ONLY IN WELL VENTILATED AREAS. AVOID CONTACT WITH EYE, SKIN AND CLOTHING. AVOID INGEST ION AND INHALATION.

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

Res

piratory Protection:FOLLOW THE OSHA RESPIRATOR REGULATIONS FOUND IN 29CFR 1910.134. ALWAYS USE A NIOSH-APPROVED RESPIRATOR WHEN NECESSARY.

Ventilation: USE ADEQUATE VENTILATION TO KEEP AIRBORNE CONCENTRATIONS LOW.

Protective Gloves:WEAR APPROPRIATE PROTECTIVE GLOVES TO PREVENT SKIN EXPOSURE.

Eye Protection:PROTECTIVE EYEGLASSES OR CHEMICAL SAFETY GOGGLES Other Protective Equipment:WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT SKIN EXPOSURE. Work Hygienic Practices:NONE PROVI DED BY MFR.

Supplemental Safety and Health NONE PROVIDED BY MFR.

HCC:N1 NRC/State Lic Num:GET MEDICAL ATT Melt/Freeze Pt:=170.6C, 339.F Spec Gravity:1.44 (WATER=1) pH:5.2(25% SOL@20C Evaporation Rate & amp; Reference:NEGLIGIBLE Solubility in Water:4.9G/100G WATER AT 20C Appearance and Odor:SOLID, WHITE, ODORLESS,CRYSTALLINE POWDER.

Stability Indicator/Materi
als to Avoid:YES
INCOMPATABLE WITH ACETIC ANHYDRIDE AND POTASSIUM. REACTS WITH BASIC MATERIALS TO FORM BORATE SALTS.
Stability Condition to Avoid:STABLE AT ROOM TEMPERATURE IN CLOSED CONTAINERS UNDER NORMAL STORAGE AND HANDLING CONDITIONS. AVOID HIGH TEMPERATURES.
Hazardous Decomposition Products:OXIDES OF BORON Conditions to Avoid Polymerization:HAS NOT BEEN REPORTED.

Toxicological Information:LD50/LC50: CAS#10043

-35-3: ORAL, MOUSE: LD50=3450 MG/KG; ORAL, RAT: LD50=2660 MG/KG. CARCINOGENICITY: BORIC ACID-NOT LISTED BY ACGIH, IARC, NTP, NIOSH OR OSHA.
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Ecological:MOSQUITO FISH (FRESH WATER) TLM=1800 PPM/24 HOUR MOSQUITO FISH (FRESH WATER) TLM=1800 PPM/24H.
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Waste Disposal Methods:DISPOSE OF IN A MANNER CONSISTENT WITH FEDERAL, STATE AND LOCAL REGULATION S.
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Transport Information: US DOT: NOT REGULATED. ICAO: NOT REGULATED.
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<ul> <li>SARA Title III Information: SECTIONS 302 (RQ) AND SECTIONS 302 (TPQ): NONE OF THE CHEMICALS IN THIS PRODUCT HAVE AN RQ OR TPQ. SECTION 313: NO CHEMICALS ARE REPORTABLE UNDER SECTION 313.</li> <li>Federal Regulatory Information: THIS PRODUCT IS LISTED ON THE TSCA INVENTORY LIST. CLEAN A</li> <li>IR ACT: THIS MATERIAL DOES NOT CONTAIN ANY HAZARDOUS AIR POLLUTANTS, CLASS 1 OZONE DEPLETORS OR CLASS 2 OZONE DEPLETORS.</li> <li>State Regulatory Information: BORIC ACID IS NOT PRESENT ON STATE LISTS FROM CA, PA, MN, MA, FL, OR NJ. CALIFORNIA: NO SIGNIFICANT RISK LEVEL. NONE OF THE CHEMICALS IN THE PRODUCT ARE LISTED.</li> </ul>
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