View NSN Online: https://aerobasegroup.kr/nsn/6750-00-408-5898 NORTH STRONG SCIENTIFIC INC. -- BORIC ACID -- 6750-00-408-5898 ============= Product Identification ======================== Product ID:BORIC ACID MSDS Date:09/22/1986 FSC:6750 NIIN:00-408-5898 MSDS Number: BHZGH === Responsible Party === Company Name: NORTH STRONG SCIENTIFIC INC. Address:7322 WESTMORE ROAD City:ROCKVILLE State:MD ZIP:20850 Country:US Info Phone Num:301-762-2121 Emergency Phone Num:301-762-2121 Preparer's Na me:DGSC-SSH-HRN CAGE:0BSN0 === Contractor Identification === Company Name: NORTH STRONG SCIENTIFIC INC. Address:7322 WESTMORE ROAD Box:City:ROCKVILLE State:MD ZIP:20850 Country:US Phone:301-762-2121 CAGE:0BSN0 ======= Composition/Information on Ingredients ========

Ingred Name:BORIC ACID

CAS:10043-35-3 RTECS #:ED4550000 Fraction by Wt: 100%

OSHA PEL:15MG/CUM-BORON OXIDE ACGIH TLV:10MG/CUM-BORON OXIDE

LD50 LC50 M

ixture:LD50 ORAL RAT=2650MG/KG Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO Health Hazards Acute and Chronic:EYE:ACUTE,IRRITATION;CHRONIC,CONJUNCTIVITIS.EDEMA. SKIN:ACUTE, EXCORIATIONS, FEVER, ANURIA; CHRONIC, ANOREXIA, WEIGHT LOSS, VOMIT, DIARRHEA, RASH, ALOPECIA, CONVULSIONS, ANEMIA. INHALATION: ACUTE, MUCOUS MEMBRANE I RRITATION, EXCORIATION, FEVER, ANURIA; CHRONIC: ANOREXIA, WEIGHT LOSS, VOMIT, DIARRHEA, RASH, *SEE SIGNS & SYMPT **OMS OF O'EXPOSURE*** Effects of Overexposure: CONT'D FROM HEALTH HAZARDS, INHALATION, CHRONIC: ALOPECIA, CONVULSIONS, ANEMIA. INGESTION: NE PHROTOXIC, NAUSEA, HEMATEMESIS, BLOODY DIARRHEA, EPIGASTRIC PAIN, HEMORRHAGIC GASTRITIS, WEAKNESS, ANOREXIA, LETHARGY, HEAD ACHE, INSOMNIA; CHRONIC, ANOREXIA, WEIGHT LOSS, ABDOMINAL DISCOMFORT, NAUSEA, VOMIT, MILD DIARRHEA, GASTRIC ULCER, RASH, RED TONGU Medical Cond Aggravated by Exposure: ANY MEDICAL CONDITION AFFECTING SAME ORGANS AS THOSE AFFECTED BY OVEREXPOSU RE. First Aid:EYES:IMMEDIATELY FLUSH WITH WATER FOR 15-20MIN.SEE DOCTOR IMM; SKIN: REMOVE CONTAMINATED CLOTHING & SHOES, WASH WITH SOAP & WATER.SEE DOCTOR IMM;INHALATION:IMMEDIATELY REMOVE TO FRESH AIR.GIVE CPR/O*2 IF NEEDED.SEE DOCTOR IMM;INGESTION:MAINTAIN RESPIRATION.REMOVE BY IPECAC EMESIS FOLLOWEDBY ACTIVATED CHARCOAL.GASTRIC LAVAGE MAY BE USEFUL.TREAT ANURIA.SEE DOCTOR IMMEDIATELY. ========== ===== Fire Fighting Measures ==========

Extinguishing Media:DRY CHEMICAL,CO*2,WATER SPRAY,FOAM
Fire Fighting Procedures:DO NOT USE WATER DIRECTLY ON MATERIAL.COOL
FIRE EXPOSED CONTAINERS WITH WATER.AVOID BREATHING CORROSIVE DUSTS
& FUMES.KEEP UPWIND.MOVE CONT.FROM FIRE IF POSSIBL
Unusual Fire/Explosion Hazard:CORROSIVE DUSTS AND FUMES GENERATED FROM
FIRE EXPOSED MATERIAL.

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

Spill Release Procedures: SWE

CONTAINERS FOR LATER DISPOSAL.DO NOT FLUSH WITH WATER.KEEP UNNECESSARY PEOPLE AWAY.
=========== Handling and Storage ==============
Handling and Storage Precautions:STORE IN COOL,DRY AREA. PROTECT FROM HEAT,IMPACT,FIRE.
====== Exposure Controls/Personal Protection ========
Respiratory Protection: CHEMICAL CARTRIDGE RESPIRATOR WITH AN ORGANIC VAPOR CARTRIDGE WITH A HIGH EFFICIENCY PARTICULATE FILTER & FULL
FACEPIECE, JOINTLY APPROVED BY NIOSH/MSHA. Ventilation: LOCAL EXHAUST OR GENERAL DILUTION VENTILATION TO KEEP BELOW TLV.
Protective Gloves:IMPERVIOUS Eye Protection:DUST-RESISTANT GOGGLES Other Protective Equipment:IMPERVIOUS CLOTHING & EQUIPMENT TO PREVENT REPEATED OR PROLONGED SKIN CONTACT. Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING.REMOVE & LAUNDER CONTAMINATED CLOTHING. Supplemental Safety and Health
MELTING POINT:DECOMPOSES. SIGNS & SYMPTOMS OF OVEREXPOSURE:SEE CASE HISTORY 88106A FOR MORE INFORMATION. *NOTE* MSDS BUILT BY DGSC-SSH FROM MATERIAL OF SPECTRUM CHEMICAL, NSN 6750-00-174-5454.
========= Physical/Chemical Properties ==========
Melt/Freeze Pt:M.P/F.P Text:365F,165C Spec Gravity:1.435 pH:ACID Solubility in Water:6.35% @ 86F,30C Appearance and Odor:ODORLESS,COLORLESS TRICLINIC CRYSTALS OR WHITE GRANULAR POWDER.
======== Stability and Reactivity Data =========
Stability Indicator/Materials to Avoi

EP UP & PLACE IN SUITABLE CLEAN, DRY

d:YES

ACETIC ANHYDRIDE: EXPLOSIVE REACTION ON HEATING; POTASSIUM: EXPLOSIVE REACTION ON IMPACT; IRON: CORROSIVE WHEN MOIST.

Stability Condition to Avoid: HEAT, IMPACT, MOISTURE. MAY BURN BUT DOES NOT IGNITE READILY.

Hazardous Decomposition Products: LOSES WATER AT 212-320F FORMING METABORIC ACID, THEN PYROBORIC ACID & FINALLY BORIC ANHYDRIDE.

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

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STA TE & LOCAL REGULATIONS.

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