

MATERIAL SAFETY DATA SHEET

IDENTITY ASTRON

SECTION I

MANUFACTURED BY: FLORATINE PRODUCTS GROUP/355 E. SOUTH STREET/COLLIERVILLE, TN 38017
FOR INFORMATION PHONE: (901) 853-2898; FOR CHEMICAL EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE
OR ACCIDENT CALL CHEMTREC (Day or Night) WITHIN THE U.S. OR CANADA PHONE: 1-800-424-9300
OUTSIDE THE U.S. OR CANADA PHONE: +1 703-527-3887 (collect calls accepted)

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

NO HAZARDOUS COMPONENTS OSHA PEL N/A--ACGIH TLV N/A--OTHER LIMITS RECOMMENDED
N/A

COPPER SULFATE
ZINC SULFATE

FERROUS SULFATE
BORIC ACID

MAGNESIUM SULFATE
CALCIUM GLUCONATE

SECTION III - PHYSICAL AND CHEMICAL CHARACTERISTICS

BOILING POINT: 220-230° F APPEARANCE: DARK (BROWN, appears black) LIQUID
SPECIFIC GRAVITY: H₂O=1 1.176 AT 68° F MELTING POINT: N/A
EVAPORATIONRATE: NON VOLATILE SOLUBILITY IN WATER: COMPLETE VAPOR
PRESSURE: GREATER THAN 1.0 @ 100° VAPOR DENSITY: AIR = 1 N/A
ODOR: SLIGHT AMONIA & FERROUS ODOR

SECTION IV - FIRE AND EXPLOSIVE HAZARD DATA

FLASH POINT: N/A FLAMMABLE LIMITS: N/A LEL: N/A UEL: N/A
EXTINGUISHER MEDIA: NON FLAMABLE SPECIAL FIRE FIGHTING PROCEDURES: N/A
UNUSUAL FIRE AND EXPLOSION HAZARDS – NONE

SECTION V - REACTIVITY DATA

STABILITY : STABLE CONDITIONS TO AVOID: NONE
INCOMPATIBILITY: (MATERIALS TO AVOID): NONE HAZARDOUS DECOMPOSITION OR BYPRODUCTS:
N/A
HAZARDOUS POLYMERIZATION : WILL NOT OCCUR CONDITIONS TO AVOID: NONE

SECTION VI - HEALTH HAZARD DATA

ROUTE OF ENTRY: INHALATION: NO INGESTION: YES SKIN: YES EYE CONTACT: YES
HEALTH EFFECTS: CONTACT WITH EYES OR SKIN MAY CAUSE IRRITATION. IF INGESTED SMALL
AMOUNT MAY CAUSE NAUSEA, DIARRHEA OR STOMACH DISCOMFORT.
SIGNS & SYMPTOMS OF EXPOSURE: NONE KNOWN.
EYE CONTACT: MAY CAUSE STINGING, TEARING, ITCHING, SWELLING, AND/OR REDNESS.
SKIN: PROLONGED CONTACT WITH CONCENTRATE MAY BE DRYING OR TRANSIENTLY IRRITATING.
CARCINOGENICITY: NTP? N/A IARC MONOGRAPHS? N/A OSHA REGULATED? N/A
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: NONE
EMERGENCY & FIRST AID PROCEDURES: INGESTION: DRINK 1 OR 2 GLASSES OF WATER AND SEEK
MEDICAL ATTENTION
EYE CONTACT: FLUSH THOROUGHLY WITH WATER FOR 10 TO 15 MINUTES.
SKIN: IF PROLONG CONTACT OCCURS, RINSE THOROUGHLY WITH WATER.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: PREVENT LARGE QUANTITIES
FROM ENTERING WATERWAYS OR SEWERS
WASTE DISPOSAL METHOD: IF UNCONTAMINATED, RECOVER AND REUSE. IF CONTAMINATED
SPREAD ON CROPLAND IN A DILUTED FORM FOR CROP UTILIZATION.
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: KEEP FROM FREEZING

SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION: N/A
VENTILATION: LOCAL EXHAUST: YES SPECIAL: NONE OTHER: NONE
MECHANICAL: YES EYE PROTECTION: GOGGLES RECOMMENDED
PROTECTIVE GLOVES: NO OTHER PROTECTIVE CLOTHING OR EQUIPMENT: NONE
WORK/HYGENIC PRACTICES: GENERALLY ACCEPTED INDUSTRIAL PRACTICES