

MATERIAL SAFETY DATA SHEET

SUPPLIED BY: ANHUI BBKA BIOCHEMICAL CO. LTD.

SECTION I --- GENERAL INFORMATION

TRADE TERM: TRIPOTASSIUM CITRATE MONOHYDRATE

SYNONYMS: 2-HYDROXY-1,2,3,-PROPANETRICARBOXYLIC ACID

FORMULA: $K_3C_6H_5O_7 \cdot H_2O$

HAZARD CHARACTERISTIC CODE: C4

CHEMICAL FAMILY: ORGANIC SALT

MOLECULAR WEIGHT: 324.41

SECTION II --- HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

DELIQUESCENT. MAYBE IRRITATING TO SKIN, EYES AND MUCOUS MEMBRANES.

APPEARANCE: WHITE CRYSTALS OR GRANULAR

SYMPTOMS OF EXPOSURE:

CONTACT WITH SKIN OR EYES MAY CAUSE IRRITATION

MEDICAL COND. AGGRAVATED BY EXPOSURE: DATE NOT AVAILABLE.

ROUTES OF ENTRY: INHALATION, INGESTION

CARCINOGENICITY: THE MATERIAL IS NOT LISTED (IARC, NTP, OSHA) AS CANCER CAUSING AGENT.

SECTION III --- FIRST AID MEASURES

EMERGENCY FIRST AID:

GET MEDICAL ASSISTANCE FOR ALL CASES OF OVEREXPOSURE.

SKIN: WASH THOROUGHLY WITH SOAP AND WATER.

EYES: IMMEDIATELY FLUSH THOROUGHLY WITH WATER FOR AT LEAST 15 MINUTES.

INHALATION: REMOVE TO FRESH AIR: GIVE ARTIFICIAL RESPIRATION IF BREATHING HAS STOPPED.

INGESTION: IF CONSCIOUS, DRINK WATER AND INDUCE VOMITING IMMEDIATELY AS DIRECTED BY MEDICAL PERSONNEL. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

SECTION IV --- FIRE FIGHTING MEASURES

FLASH POINT (F): N/A EXTINGUISHING MEDIA: FOAM, CO₂, WATER SPRAY

FLAMMABLE LIMITS UEL (%): N/A FLAMMABLE LIMITS LEL (%): N/A

FIRE FIGHTING PROCEDURES: WEAR SELF-CONTAINED BREATHING APPARATUS.

FIRE & EXPLOSION HAZARDS: NONE INDICATED

SECTION V --- ACCIDENTAL RELEASE MEASURES

SPILL RESPONSE: EVACUATE THE AREA OF ALL UNNECESSARY PERSONNEL. WEAR SUITABLE PROTECTIVE EQUIPMENT LISTED UNDER EXPOSURE / PERSONAL PROTECTION. ELIMINATE ANY IGNITION SOURCES UNTIL THE AREA IS DETERMINED TO BE FREE FROM EXPLOSION OR FIRE HAZARDS. CONTAIN THE RELEASE AND ELIMINATE ITS SOURCE, IF THIS CAN BE DONE WITHOUT RISK. TAKE UP AND CONTAINERIZE FOR PROPER DISPOSAL AS DESCRIBED UNDER DISPOSAL. COMPLY WITH FEDERAL, STATE AND LOCAL REGULATIONS ON REPORTING RELEASES. REFER TO REGULATORY INFORMATION FOR REPORTABLE QUANTITY AND OTHER REGULATORY DATE.

SECTION VI --- HANDLING AND STORAGE

AVOID CONTACT WITH SKIN AND EYES. DO NOT BREATHE DUST. KEEP CONTAINER CLOSED WHEN NOT IN USE. STORE AT CONTROLLED ROOM TEMPERATURE.

SECTION VII --- EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS AND PERSONAL PROTECTIVE EQUIPMENT:

VENTILATION, RESPIRATORY PROTECTION, PROTECTIVE CLOTHING, EYE PROTECTION: MATERIAL SHOULD BE HANDLED OR TRANSFERRED IN AN APPROVED FUME HOOD OR WITH ADEQUATE VENTILATION. PROTECTIVE GLOVES (NITRILE OR EQUIVALENT) SHOULD BE WORN TO PREVENT SKIN CONTACT SAFETY GLASSES WITH SIDE SHIELDS SHOULD BE WORN AT ALL TIMES.

WORK / HYGENIC PRACTICES:

WASH THOROUGHLY AFTER HANDLING. DO NOT TAKE INTERNALLY. EYE WASH AND SAFETY EQUIPMENT SHOULD BE READILY AVAILABLE.

SECTION VIII --- PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT (C 760 mmHg): N/A MELTING POINT (C): 230C DECOMPOSES
SPECIFIC GRAVITY (H₂O = 1): 1.98 VAPOR PRESSURE(mmHg): N/A
PERCENT VOLATILE BY VOL (%): N/A VAPOR DENSITY (AIR = 1): N/A
SOLUBILITY IN WATER (%): SOLUBLE

SECTION IX --- STABILITY AND REACTIVITY

STABILITY: YES HAZARDOUS POLYMERIZATION: DOES NOT OCCUR
HAZARDOUS DECOMPOSITION: CO_x CONDITIONS TO AVOID: NONE INDICATED

SECTION X --- TOXICOLOGICAL INFORMATION

TOXICITY DATA: NONE ESTABLISHED

TOXICOLOGICAL FINDINGS: NONE

CITED IN REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES
(RTECS)

SECTION XI --- DISPOSAL CONSIDERATIONS

TREATMENT:

MATERIAL DOES NOT HAVE AN EPA WASTE NUMBER AND IS NOT A LISTED WASTE, HOWEVER CONSULTATION WITH A PERMITTED WASTE DISPOSAL SITE (TSD) SHOULD BE ACCOMPLISHED.

ALWAYS CONTACT A PERMITTED WASTE DISPOSER (TSD) TO ASSURE COMPLIANCE WITH ALL CURRENTLOCAL, STATE REGULATIONS.

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