



15 Erie Drive
Natick, MA 01760
Phone: 508.655.4336
Fax: 508.655.2754
www.americanbio.com
In case of emergency call 3E at 800.451.8346

MATERIAL SAFETY DATA SHEET:
SODIUM CITRATE, TRISODIUM SALT, DIHYDRATE
CATALOG NUMBER: AB01918

SECTION I - INGREDIENTS/IDENTITY INFORMATION

PRODUCT: SODIUM CITRATE, TRISODIUM SALT, DIHYDRATE
GRADE: ULTRA PURE/USP/FCC
FORMULA: C₆H₅Na₃O₇•2H₂O
FORMULA WEIGHT: 294.1
NIOSH (RTECS) NUMBER: 1009181SC
CAS NUMBER: 6132-04-3

SECTION II - PHYSICAL/CHEMICAL CHARACTERISTICS

PHYSICAL DESCRIPTION: WHITE GRANULES
SOLUBILITY IN WATER: COMPLETE
PH: 8

SECTION III - FIRE AND EXPLOSION HAZARD DATA

WATER SPRAY, FOG/FOAM.
SPECIAL FIRE FIGHTING PROC: DON'T USE WATER JET.
UNUSUAL FIRE AND EXPL HAZRDS: COMBUSTIBLE.

SECTION IV - REACTIVITY DATA

STABILITY: YES
COND TO AVOID (STABILITY): HEAT & OTHER SOURCES OF IGNITION.
MATERIALS TO AVOID: SOME METALLIC OXIDES
HAZARDOUS DECOMP PRODUCTS: CARBON OXIDES, CO, CO₂, METALLIC OXIDES
HAZARDOUS POLY OCCUR: NO

SECTION V - HEALTH HAZARD DATA

ROUTE OF ENTRY - INHALATION: YES
ROUTE OF ENTRY - SKIN: NO
ROUTE OF ENTRY - INGESTION: YES
HEALTH HAZ ACUTE AND CHRONIC: EYES/SKIN: MAY IRRITATE UPON CONTACT.
INHALATION: THE SUBSTANCE IS TOXIC TO LUNGS, MUCOUS MEMBRANES. REPEATED/
PROLONGED EXPOSURE CAN PRODUCE TARGET ORGAN DAMAGE.
CARCINOGENICITY - NTP: NO
CARCINOGENICITY - IARC: NO
CARCINOGENICITY - OSHA: NO
EXPLANATION CARCINOGENICITY: NONE
SIGNS/SYMPTOMS OF OVEREXP: IRRITATION.
EMERGENCY/FIRST AID PROC: EYES: REMOVE CONTACT LENSES. IMMEDIATELY FLUSH
PLACE VICTIM UNDER A DELUGE SHOWER. GENTLY & THOROUGHLY WASH W/RUNNING
WATER
& NONABRASIVE SOAP. BE CAREFUL TO CLEAN FOLDS, CREVICES, CREASES & GROIN.

USE COLD WATER. COVER W/AN EMOLLIENT. INHALATION: REMOVE TO FRESH AIR.
INGESTION: REMOVE DENTURES IF ANY.

SECTION VI - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS IF MATL RELEASED/SPILL: SMALL: USE APPROPRIATE TOOLS IN A WASTE DISPOSAL CONTAINER. FINISH CLEANING BY SPREADING WATER ON CONTAMINATED SURFACE & DISPOSE OF. LARGE: USE A SHOVEL TO PUT THE MATERIAL INTO A CONVENIENT WASTE DISPOSAL CONTAINER. (SEE SUPP)

WASTE DISPOSAL METHOD: RECYCLE TO PROCESS, IF POSSIBLE. DISPOSE OF IAW/ FEDERAL, STATE & LOCAL REGULATIONS.

PRECAUTIONS-HANDLING/STORING: KEEP CONTAINER DRY. KEEP IN A COOL WELL VENTILATED PLACE. KEEP AWAY FROM HEAT & SOURCES OF IGNITION. KEEP CONTAINER TIGHTLY CLOSED.

OTHER PRECAUTIONS: EMPTY CONTAINERS POSE A FIRE RISK, EVAPORATE RESIDUE UNDER A FUME HOOD. GROUND ALL EQUIPMENT MATERIAL. DON'T INGEST/BREATH DUST. STORE COMBUSTIBLE MATERIALS AWAY FROM EXTREME HEAT & STRONG OXIDIZING AGENTS. AVOID CONTACT W/EYES.

SECTION VII - CONTROL MEASURES

RESPIRATORY PROTECTION: USE DUST/MSHA/NIOSH APPROVED RESPIRATOR/ EQUIVALENT. WEAR APPROPRIATE RESPIRATOR WHEN VENTILATION IS INADEQUATE. A SCBA SHOULD BE USED TO AVOID INAHALTION OF PRODUCT.

VENTILATION: LOCAL EXHAUST/OTHER ENGINEERING CONTROLS TO KEEP AIRBORNE LEVELS BELOW RECOMMENDED EXPOSURE LIMITS.

PROTECTIVE GLOVES: REQUIRED

EYE PROTECTION: SPLASH GOGGLES

OTHER PROTECTIVE EQUIPMENT: LAB COAT, FULL SUIT, BOOTS.

WORK HYGIENIC PRACTICES: REMOVE/LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

SUPPL. SAFETY & HEALTH DATA: FIRST AID CONT'D: IF CONSCIOUS GIVE SEVERAL GLASSES OF WATER/MILK. INDUCE VOMITING BY STICKING FINGER IN THROAT. LOWER THE HEAD SO VOMIT WILL NOT REENTER MOUTH & THROAT. NEVER GIVE ANYTHING TO AN UNCONSCIOUS PERSON. SPILLS CONT'D: FINISH CLEANING BY SPREADING WATER ON CONTAMINATED SURFACE & ALLOW TO EVACUATE SYSTEM.

SECTION VIII - LABEL DATA

LABEL REQUIRED: YES

COMMON NAME: SODIUM CITRATE, TRISODIUM SALT, DIHYDRATE

SPECIAL HAZARD PRECAUTIONS: EYES/SKIN: MAY IRRITATE UPON CONTACT.

INHALATION: THE SUBSTANCE IS TOXIC TO LUNGS, MUCOUS MEMBRANES. REPEATED/ PROLONGED EXPOSURE CAN PRODUCE TARGET ORGAN DAMAGE. IRRITATION.

REVISION DATE 10/05/01