



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:
POTASSIUM CHLORIDE
CATALOG NUMBER: AB01652

SECTION I - CHEMICAL IDENTIFICATION

CATALOG NUMBER: AB01652
NAME: POTASSIUM CHLORIDE ULTRA PURE

SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS

CAS NUMBER: 7447-40-7
EC NO: 231-211-8

SYNONYMS

CHLORID DRASELNY (CZECH) * CHLOROPOTASSURIL * DIPOTASSIUM DICHLORIDE *
EMPLETS POTASSIUM CHLORIDE * ENSEAL * KALITABS * KAOCHLOR * KAON-CL *
KAON-CL 10 * KAON-CL TABS * KAY CIEL * K-DUR * K-LOR * KLOTRIX * K-
LYTE/CL * K-PREDNE-DOME * MURIATE OF POTASH * MONOPOTASSIUM CHLORIDE *
PFIKLOR * POTASSIUM MONOCHLORIDE * POTAVESCENT * REKAWAN * SLOW K *
SUPER K * SUPER K (SALT) * TRIPOTASSIUM TRICHLORIDE *

SECTION III - HAZARDS IDENTIFICATION

LABEL PRECAUTIONARY STATEMENTS

CAUTION:
AVOID CONTACT AND INHALATION.
TARGET ORGAN(S):
HEART
HYGROSCOPIC

SECTION IV - FIRST-AID MEASURES

IF SWALLOWED, WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS.
CALL A PHYSICIAN.
IF INHALED, REMOVE TO FRESH AIR. IF BREATHING BECOMES DIFFICULT,
CALL A PHYSICIAN.
IN CASE OF CONTACT, IMMEDIATELY WASH SKIN WITH SOAP AND COPIOUS
AMOUNTS OF WATER.
IN CASE OF CONTACT WITH EYES, FLUSH WITH COPIOUS AMOUNTS OF WATER
FOR AT LEAST 15 MINUTES. ASSURE ADEQUATE FLUSHING BY SEPARATING
THE EYELIDS WITH FINGERS. CALL A PHYSICIAN.

SECTION V - FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: WATER SPRAY.
CARBON DIOXIDE, DRY CHEMICAL POWDER OR APPROPRIATE FOAM.
SPECIAL FIREFIGHTING PROCEDURES: WEAR SELF-CONTAINED BREATHING APPARATUS
AND PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES. UNUSUAL FIRE
AND EXPLOSIONS HAZARDS EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

SECTION VI - ACCIDENTAL RELEASE MEASURES

WEAR RESPIRATOR, CHEMICAL SAFETY GOGGLES, RUBBER BOOTS AND HEAVY RUBBER GLOVES.
SWEEP UP, PLACE IN A BAG AND HOLD FOR WASTE DISPOSAL.
AVOID RAISING DUST.
VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.
EVACUATE AREA.
EVACUATE AREA AND KEEP PERSONNEL UPWIND.
AVOID CONTAMINATING WATER SUPPLY.
AVOID CONTAMINATING SEWERS AND WATERWAYS WITH THIS MATERIAL.

SECTION VII - HANDLING AND STORAGE

REFER TO SECTION VIII

SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

SAFETY SHOWER AND EYE BATH.
MECHANICAL EXHAUST REQUIRED.
AVOID INHALATION.
AVOID CONTACT WITH EYES, SKIN AND CLOTHING.
AVOID PROLONGED OR REPEATED EXPOSURE.
NIOSH/MSHA-APPROVED RESPIRATOR.
COMPATIBLE CHEMICAL-RESISTANT GLOVES.
CHEMICAL SAFETY GOGGLES.
KEEP TIGHTLY CLOSED.
STORE IN A COOL DRY PLACE.
WASH THOROUGHLY AFTER HANDLING.
WASH CONTAMINATED CLOTHING BEFORE REUSE.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR:
CRYSTALLINE
SOLID.
PHYSICAL PROPERTIES
BOILING POINT: 1,500 °C
MELTING POINT: 770 °C
SOLUBILITY: WATER -Z1076
SPECIFIC GRAVITY: 2 G/C
PH: 7.0

SECTION X - STABILITY AND REACTIVITY

STABILITY:
STABLE.
INCOMPATIBILITIES
PROTECT FROM MOISTURE.
STRONG ACIDS
STRONG OXIDIZING AGENTS
HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS
POTASSIUM OXIDES
HYDROGEN CHLORIDE GAS
HAZARDOUS POLYMERIZATION
WILL NOT OCCUR.

SECTION XI - TOXICOLOGICAL INFORMATION

ACUTE EFFECTS

MAY CAUSE SKIN IRRITATION.
MAY BE HARMFUL IF ABSORBED THROUGH THE SKIN.
MAY CAUSE EYE IRRITATION.
MAY BE HARMFUL IF INHALED.
MATERIAL MAY BE IRRITATING TO MUCOUS MEMBRANES AND UPPER
RESPIRATORY TRACT.
MAY BE HARMFUL IF SWALLOWED.
TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND
TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.

CHRONIC EFFECTS

TARGET ORGAN(S):HEART

RTECS #: TS8050000

POTASSIUM CHLORIDE

IRRITATION DATA

EYE-RBT 500 MG/24H MLD 28ZPAK -,8,1972

TOXICITY DATA

ORL-INF LDLO:938 MG/KG/2D JAMAAP 240,1339,1978

ORL-MAN LDLO:20 MG/KG LANCAO 2,919,1980

ORL-RAT LD50:2600 MG/KG 28ZPAK -,8,1972

IPR-RAT LD50:660 MG/KG FCTXAV 3,597,1965

IVN-RAT LD50:142 MG/KG ARZNAD 14,1128,1964

ORL-MUS LD50:1500 MG/KG IYKEDH 21,257,1990

IPR-MUS LD50:620 MG/KG COREAF 256,1043,1963

IVN-MUS LD50:117 MG/KG EJTXAZ 8,188,1975

TARGET ORGAN DATA

BEHAVIORAL (CONVULSIONS OR EFFECT ON SEIZURE THRESHOLD)

BEHAVIORAL (CHANGE IN MOTOR ACTIVITY)

BEHAVIORAL (COMA)

CARDIAC (ARRYTHMIAS)

LUNGS, THORAX OR RESPIRATION (DYSPPNAE)

LUNGS, THORAX OR RESPIRATION (CYANOSIS)

LUNGS, THORAX OR RESPIRATION (OTHER CHANGES)

GASTROINTESTINAL (NAUSEA OR VOMITING)

BLOOD (CHANGE IN CLOTTING FACTORS)

NUTRITIONAL AND GROSS METABOLIC (CHANGES IN: K)

ONLY SELECTED REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES

(RTECS) DATA IS PRESENTED HERE. SEE ACTUAL ENTRY IN RTECS FOR COMPLETE

INFORMATION.

SECTION XII - ECOLOGICAL INFORMATION

DATA NOT YET AVAILABLE.

SECTION XIII - DISPOSAL CONSIDERATIONS

CONTACT A LICENSED PROFESSIONAL WASTE DISPOSAL SERVICE TO DISPOSE OF
THIS MATERIAL.

DISSOLVE OR MIX THE MATERIAL WITH A COMBUSTIBLE SOLVENT AND BURN IN A
CHEMICAL INCINERATOR EQUIPPED WITH AN AFTERBURNER AND SCRUBBER.

OBSERVE ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

SECTION XIV - REGULATORY INFORMATION

EUROPEAN INFORMATION

S 22

DO NOT BREATHE DUST.

S 24/25

AVOID CONTACT WITH SKIN AND EYES.

REVIEWS, STANDARDS, AND REGULATIONS

OEL=MAK

NOHS 1974: HZD 60360; NIS 97; TNF 14471; NOS 88; TNE 122749

NOES 1983: HZD 60360; NIS 147; TNF 16061; NOS 125; TNE 387624; TFE
175287

EPA TSCA SECTION 8(B) CHEMICAL INVENTORY

EPA TSCA TEST SUBMISSION (TSCATS) DATA BASE, JANUARY 2001

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