

MATERIAL SAFETY DATASHEET

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Section 1. - - - - - chemical identification - - - - -

- a) Name: KCl solution for sb REF (30 or 50 mL)
- b) Catalog #: 250.2005
- c) For use with electrochemical flow cell

Section 2. - - - - - composition/information on ingredients - - - - -

cas #: 7447-40-7

mf: ClK

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 3. - - - - - hazards identification - - - - -

- a) label precautionary statements: irritant, irritating to eyes, respiratory system and skin.
- b) in case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- c) wear suitable protective clothing.

Section 4. - - - - - first-aid measures- - - - -

- a) if swallowed, wash out mouth with water provided person is conscious. call a physician.
- b) if inhaled move to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.
- c) in case of contact, immediately wash skin with soap and copious amounts of water.
- d) in case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes.

Section 5. - - - - - fire fighting measures - - - - -

- a) extinguishing media: water spray. carbon dioxide, dry chemical powder or appropriate foam.
- b) special fire fighting procedures: wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
- c) unusual fire and explosions hazards: emits toxic fumes under fire conditions.

Section 6. - - - - - accidental release measures- - - - -

Use proper personal protective equipment.

Absorb on sand or vermiculite and place in closed containers for disposal.

Ventilate area and wash spill site after material pickup is complete.

Section 7. - - - - - handling and storage- - - - -

refer to section 8.

Section 8. - - - - - exposure controls/personal protection- - - - -

Mechanical exhaust required. Safety shower and eye bath. Wash thoroughly after handling. Do not breathe vapor. 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.

Section 9. - - - - - physical and chemical properties - - - - -

appearance and odor: odorless clear liquid.

physical properties

boiling point: 106 c

specific gravity: 1.175

pH: ca. 7 (saturated aq. sl. @ 15°C)

Section 10. - - - - - stability and reactivity - - - - -

- a) Stability: stable.
- b) incompatibilities: strong oxidizing agents
- c) hazardous combustion or decomposition products: nature of decomposition products not known.
- d) hazardous polymerization: will not occur.

Section 11. - - - - - toxicological information - - - - -

- a) Acute effects : causes skin irritation. May be harmful if absorbed through the skin. Causes eye irritation. May be harmful if inhaled. Material is 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.

b) rtecs #: ts8050000

potassium chloride

c) irritation data

eye-rbt 500 mg/24h mld 28zpak -,8,1972

d) 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 (dyspnae)

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 12. ----- ecological information -----

data not yet available.

Section 13. ----- 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 14. ----- transport information -----

US DOT, TDG, IATA, RID/ADR: No information available. UN# ----

Section 15. ----- regulatory information -----

europaean information

irritant

r 36/37/38

irritating to eyes, respiratory system and skin.

s 26

in case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

s 36

wear suitable protective clothing.

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

Section 16. ----- other information -----

This information is taken from sources believed to be accurate. Antec Leyden however makes no warranty as to the accuracy of the information or suitability of the recommendations as to your operations and assumes no liability to any user thereof.

Date: April, 2002