

Abbott

POTASSIUM CHLORIDE INJECTION, U.S.P.

Potassium Chloride Injection, U.S.P.
ISSUED: 12/27/96

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MATERIAL NAME: Potassium Chloride Injection, USP; Potassium Chloride in Dextrose Injection, USP; Potassium Chloride in Lactated Ringer's and 5% Dextrose, Injection, USP; Intravenous Solutions with Potassium Chloride Injection, USP
LIST NUMBER: 1497; 1498; 1499; 1513; 3907; 3934; 4931; 4932; 4933; 4934; 4938; 4939; 4991; 4992; 4993; 4994; 6635; 6636; 6651; 6653, 7074, 7075, 7076, 7077, 7105, 7106, 7107, 7108, 7109, 7110, 7111, 7112, 7113, 7115, 7116, 7806, 7901, 7902, 7903, 7904, 7905, 7906, 7991, 7992, 7993, 7996, 7997, 7998
MANUFACTURER: HOSPITAL PRODUCTS DIVISION
ABBOTT LABORATORIES
ABBOTT PARK, ILLINOIS 60064
EMERGENCY TELEPHONE NUMBER: 1-847-937-7970
CHEMTREC TELEPHONE NUMBER: 1-800-424-9300

2. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT NAME: Potassium Chloride*
CAS/RTECS NUMBERS: 7447-40-7/TS8050000
OSHA-PEL:
8HR TWA: N/L
STEL: N/L
CEILING: N/L
ACGIH-TLV:
8HR TWA: N/L
STEL: N/L
CEILING: N/L
OTHER LIMITS:
8HR TWA: N/A
STEL: N/A
CEILING: N/A

* Hazardous per OSHA criteria

3. HAZARDS INFORMATION

EMERGENCY OVERVIEW: In clinical use, this material is used for potassium replacement. Target organs include the blood, heart, cardiovascular system, gastrointestinal tract (if ingested) and possibly the eyes.
ROUTE(S) OF ENTRY:
SKIN: Unlikely
INHALATION: Unlikely
INGESTION: Unlikely
INGESTION RATING: None
SKIN ABSORPTION RATING: N/D
INHALATION RATING: N/D
CORROSIVENESS RATING: N/D
SKIN CONTACT RATING: N/D
SKIN SENSITIZATION RATING: N/D
EYE CONTACT RATING: Possible irritant
TARGET ORGANS: Gastrointestinal tract, heart, cardiovascular system, blood, possibly eyes
CARCINOGENICITY RATING: None
NTP: N/L
IARC: N/L
OSHA: N/L
ACGIH: N/L

SIGNS AND SYMPTOMS: N/D. Clinically, overdosage of potassium chloride can result in hyperkalemia with alterations in cardiac conduction, muscle paralysis and cardiovascular collapse. Ingestion of potassium chloride can cause gastrointestinal injury with obstruction, bleeding, ulceration and perforation, nausea, vomiting, abdominal discomfort and diarrhea.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: N/D. Available information suggests hyperkalemia, renal failure, acidosis, dehydration, burns, adrenal insufficiency, diuretic therapy and gastrointestinal ailments.

4. FIRST AID MEASURES

EYES: Remove from source of exposure. Flush with copious amounts of water. If irritation persists or signs of toxicity occur, seek medical attention. No known antidote. Treatment for hyperkalemia includes elimination of potassium intake, intravenous dextrose with insulin, correction of acidosis and dialysis. Provide symptomatic/supportive care as necessary.
SKIN: Remove from source of exposure. Flush with copious amounts of water. If irritation persists or signs of toxicity occur, seek medical attention. No known antidote. Treatment for hyperkalemia includes elimination of potassium intake, intravenous dextrose with insulin, correction of acidosis and dialysis. Provide symptomatic/supportive care as necessary.
INGESTION: Remove from source of exposure. If signs of toxicity occur, seek medical attention. No known antidote. Treatment of hyperkalemia includes elimination of potassium intake, intravenous dextrose with insulin, correction of acidosis and dialysis. Provide symptomatic/supportive care as necessary.
INHALATION: Remove from source of exposure. If signs of toxicity occur, seek medical attention. No known antidote. Treatment for hyperkalemia includes elimination of potassium intake, intravenous dextrose with insulin, correction of acidosis and dialysis. Provide symptomatic/supportive care as necessary.

5. FIRE FIGHTING PROCEDURES

FLASH POINT: Non-flammable
FLASH POINT METHOD: N/A
LOWER EXPLOSIVE LIMIT (%): N/D
UPPER EXPLOSIVE LIMIT (%): N/D
AUTOIGNITION TEMPERATURE: N/D
FIRE & EXPLOSION HAZARDS: None
EXTINGUISHING MEDIA: Use media appropriate for primary cause of fire.
FIRE FIGHTING INSTRUCTIONS: Wear protective clothing and self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

SPILL OR RELEASE PROCEDURES: Absorb with suitable material, flush with water.

7. HANDLING AND STORAGE

HANDLING: Avoid excessive heat. Protect from freezing.
STORAGE: Store at controlled room temperature of 15-30 degrees C (59-86 degrees F).
SPECIAL PRECAUTIONS: Avoid excessive heat. Protect from freezing.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: No special provisions are required under normal use conditions.
RESPIRATORY PROTECTION: Respiratory protection is not needed during normal product use.
SKIN PROTECTION: If skin contact is likely, impervious gloves are recommended.
EYE PROTECTION: Eye protection is not required during typical product use conditions. Eye protection is recommended if contact is likely.
OTHER PROTECTION: N/A

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9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE/PHYSICAL STATE: Clear liquid
 ODOR: N/A
 BOILING POINT: N/A
 MELTING/FREEZING POINT: N/D
 VAPOR PRESSURE (mm Hg): N/A
 VAPOR DENSITY (Air = 1): N/A
 EVAPORATION RATE: N/A
 BULK DENSITY: N/D
 SPECIFIC GRAVITY: Water (approx.)
 SOLUBILITY: Aqueous solution. Slightly soluble in alcohol.
 pH: 3.5 - 8.0
 VISCOSITY: Water (approx.)

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable.
 INCOMPATIBILITIES: Violent reaction with BrF3 (H2SO4 and KMnO4).
 HAZARDOUS DECOMPOSITION PRODUCTS: When heated to decomposition, it emits toxic fumes of Cl.
 HAZARDOUS POLYMERIZATION: N/D

11. TOXICOLOGICAL INFORMATION

ORAL TOXICITY: N/D. LD50 = 1500-2600 mg/kg in rats, mice, and guinea pigs for potassium chloride.
 DERMAL TOXICITY: N/D
 INHALATION TOXICITY: N/D
 CORROSIVENESS: N/D
 DERMAL IRRITATION: N/D
 OCULAR IRRITATION: N/D. Potassium chloride was a severe eye irritant in rabbits when applied for 24 hours.
 DERMAL SENSITIZATION: N/D
 SPECIAL TARGET ORGAN EFFECTS: N/D. Clinically, overdose of potassium chloride can cause hyperkalemia and, by ingestion, injury to the gastrointestinal tract.
 CARCINOGENICITY INFORMATION: N/D

12. ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: N/D

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHODS: Dispose of in accordance with local, state and federal regulations.

14. TRANSPORTATION INFORMATION

DOT STATUS: Not Regulated
 PROPER SHIPPING NAME: N/A
 HAZARD CLASS: N/A
 UN NUMBER: N/A
 PACKING GROUP: N/A
 REPORTABLE QUANTITY: N/A
 IATA/ICAO STATUS: Not Regulated
 PROPER SHIPPING NAME: N/A
 HAZARD CLASS: N/A
 UN NUMBER: N/A
 PACKING GROUP: N/A
 REPORTABLE QUANTITY: N/A
 IMO STATUS: Not Regulated
 PROPER SHIPPING NAME: N/A
 HAZARD CLASS: N/A
 UN NUMBER: N/A
 PACKING GROUP: N/A
 REPORTABLE QUANTITY: N/A
 FLASH POINT: Non-flammable

15. REGULATORY INFORMATION

TSCA STATUS: N/A
 CERCLA STATUS: N/L
 SARA STATUS: N/L
 RCRA STATUS: N/L
 PROP 65 (CA): N/L

16. OTHER INFORMATION

LEGEND:

N/A = Not Applicable
 N/D = Not Determined
 N/L = Not Listed
 L = Listed
 C = Ceiling
 S = Short-term
 (R) = Registered Trademark of Abbott Laboratories
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