

SECTION 1: PRODUCT IDENTIFICATION

PRODUCT NAME	POTASSIUM C	HLORIDE,	USP			
PRODUCT CODE	C6321					
SUPPLIER	Lab Alley LLC 22111 Highway Spicewood, Tey Tel.: 512-668-99	71 West, S kas 78669 918	Suite 601			
EMERGENCY PHONE	InfoTrac: 800-5	35-5053				
USES	Electrolyte; Ton	icity agent.				
GHS CLASSIFICATION	Eye Irritation (C Acute Toxicity -					
PICTOGRAM	Not Applicable	oral (outo	,gory of			
SIGNAL WORD	Warning					
HAZARD STATEMENT(S)	Causes eye irrit May be harmful		ed.			
AUSTRALIA-ONLY HAZARDS	Not applicable					
PRECAUTIONARY STATEMENT(S)	Prevention	Wash t	horoughly after h	andling.		
	Response	presen	t and easy to do.	ously with water for several minute Continue rinsing. RSISTS: Get medical advice/attent	ve contact lens	es, if
	Storage		plicable			
	Disposal	Not ap	plicable			
HMIS CLASSIFICATION	Health Hazard		1	Flammability	0	
	Reactivity		0	Personal Protection	E	

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

 CHEMICAL NAME
 Potassium Chloride

 BOTANICAL NAME
 Not applicable

 SYNONYM
 Not applicable



CHEMICAL FORMULA	КСІ			
CAS NUMBER	7447-40-7			
ALTERNATE CAS NUMBER	Not applicable			
MOLECULAR WEIGHT	74.551			
COMPOSITION	CHEMICAL NAME	CAS NUMBER	% BY WEIGHT	
	POTASSIUM CHLORIDE	7447-40-7	100	
	There are no additional ingredients present which within the current knowledge of the supplier and in the			

NOTES

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as health hazards and hence require reporting in this section.

Equivalence. Each g of potassium chloride represents about 13.4 mmol of potassium. Potassium chloride 1.91 g is equivalent to about 1 g of potassium.

SECTION 4: FIRST-AID MEASURES

IN CASE OF EYE CONTACT	Flush with copious amounts of water for 15 minutes, separating eyelids with fingers. If irritation persists seek medical aid.
IN CASE OF SKIN CONTACT	Wash with soap & water for 15 minutes. If irritation persists seek medical aid.
IF SWALLOWED	Call a physician. Wash out mouth with water. Do not induce vomiting without medical advice.
IF INHALED	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.
SYMPTOMS AND EFFECTS	Not expected to present a significant hazard under anticipated conditions of normal use.

SECTION 5: FIREFIGHTING MEASURES

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL	Not applicable
FLAMMABLE PROPERTIES	May be combustible at high temperature
HAZARDOUS COMBUSTION PRODUCTS	Under fire conditions, hazardous fumes will be present.
EXTINGUISHING MEDIA	Small fire: dry chemical, CO ₂ or water spray. Large fire: dry chemical, CO ₂ , alcohol resistant foam or water spray. Do not get water inside containers.
PROTECTIVE EQUIPMENT AND	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS	Wear respiratory protection. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.
METHODS & MATERIAL FOR CONTAINMENT	On land, sweep or shovel into suitable containers. Minimize generation of dust.
CLEANUP PROCEDURE	Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves. Stop leak if you can do it without risk. Prevent entry into waterways, sewers, basements or confined areas. Shut off all sources of ignition. Evacuate the area. If necessary, employ water fog to disperse the vapors. Absorb the matter with compatible vermiculite or other absorbing material. Place in a suitable container and retain for disposal. Ventilate and clean the affected area. Do not flush into sewerage system or to drains.



SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

Do not inhale. Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated exposure. Wash thoroughly after handling.

STORAGE CONDITIONS

Store in original container, tightly sealed container, protected from direct sunlight, in a dry, and well-ventilated area, away from incompatible materials. Store in accordance with local regulations. Eliminate all ignition sources. Separate from oxidizing materials. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

Preserve in well-closed containers.

SECTION 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION

Chemical Name: POTASSIUM CHLORIDE CAS #: 7447-40-7

	TWA	Ceiling	STEL	REL	IDLH	Remarks
OSHA PEL	N/L	N/L	-	-	-	-
ACGIH TLV	N/L	N/L	N/L	-	-	-
NIOSH	N/L	N/L	N/L	N/L	N/L	-
AIHA WEEL	N/L	N/L	N/L	-	-	-
Safe Work Australia HSIS	N/L	N/L	N/L	-	-	-
HSE	N/L	N/L	N/L	-	-	-

N/L = Not Listed

EXPOSURE GUIDELINES

PERSONAL PROTECTIVE EQUIPMENT

Consult local authorities for provincial or state exposure limits. Particulates not otherwise regulated, respirable fraction: 5 mg/m3.

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by WHMIS or OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166. **Skin:** Wear appropriate gloves to prevent skin exposure. **Clothing:** Wear appropriate protective clothing to minimize contact with skin. **Respirators:** Follow WHMIS or OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

SPECIFIC ENGINEERING CONTROLS

Adequate mechanical ventilation. Fumehood, eye wash station, and safety shower.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE	Solid				
DESCRIPTION	Colorless, elongated, pris	smatic, or cubical crystals, or wh	nite, granular powder. Is o	dorless.	
SOLUBILITY	Freely soluble in water an	nd even more soluble in boiling	water; slightly soluble in a	Icohol. Insoluble in ether and ac	etone.
ODOR	Odorless				
FLAMMABILITY	May be combustible at high temperature				
ODOR THRESHOLD	Not available	рН	~ 7 (15 °C)	MELTING POINT	(770-773)°C, (1418-1423,4)°F
BOILING POINT	1500 °C, 2732 °F (sublimes)	FREEZING POINT	(770-773)°C, (1418-1423,4)°F	FLASH POINT	Not available



SPECIFIC GRAVITY	1.987	EVAPORATION RATE	Not available	EXPLOSIVE LIMIT	Not available
UPPER FLAMMABLE/ EXPLOSIVE LIMIT(S)	Not available	LOWER FLAMMABLE/ EXPLOSIVE LIMIT(S)	Not available	VAPOR PRESSURE	< 0.0000001 kPa @ 25 °C
VAPOR DENSITY (AIR = 1)	Not available	RELATIVE DENSITY (WATER = 1)	Not available	log P (OCTANOL-WATER)	Not available
AUTO-IGNITION TEMPERATURE	Not available	DECOMPOSITION TEMPERATURE	Not available	VISCOSITY	Not available

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY	Not established
STABILITY	Stable under recommended storage conditions
MATERIALS TO AVOID	Strong oxidants, Lithium, Bromine trifluoride.
HAZARDOUS DECOMPOSITION PRODUCTS	Toxic fumes of carbon monoxide, carbon dioxide, nitrogen oxides and other gases may occur
HAZARDOUS POLYMERIZATION	Will not occur
POSSIBLITY OF HAZARDOUS REACTION	Not established
CONDITIONS TO AVOID	Moisture, sunlight and extreme temperatures

SECTION 11: TOXICOLOGICAL INFORMATION

Oral: Rat: LD50: (mg/kg): 2600

ACUTE TOXICITY

		LD50: (mg/kg): Not available LD50: (mg /L/4hr): Not available	
SKIN CORROSION/IRRITATION	SION/IRRITATION Due to lack of data the classification is not possible.		
SERIOUS EYE DAMAGE/EYE IRRITATION	Causes eye irrita Eye irritancy test	ation. t: Rabbit: Mild irritation	
RESPIRATORY OR SKIN SENSITIZATION	Due to lack of da	ata the classification is not possible.	
GERM CELL MUTAGENICITY	High concentrati screening assay	ble data, the classification criteria are not met. ions of potassium chloride showed positive results in a range of genotoxic rs using mammalian cells in culture. The action of potassium chloride in culture indirect effect without relevance in the intact body.	
CARCINOGENICITY	OSHA	POTASSIUM CHLORIDE is not listed.	
	NTP	POTASSIUM CHLORIDE is not listed.	
	IARC	POTASSIUM CHLORIDE is not evaluated.	
	California Proposition 65	This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.	



ADDITIONAL CARCINOGENICITY INFORMATION		e data, the classification criteria are not met: ong-term carcinogenicity study, administered in diet ears		
REPRODUCTIVE TOXICITY	235 mg/kg/day De Result: No fetotoxi Species: Mouse 310 mg/kg/day De	c or teratogenic effects		
SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE	Due to lack of data	a the classification is not possible.		
SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE	Due to lack of data	a the classification is not possible.		
ASPIRATION HAZARDS	Due to lack of data	a the classification is not possible.		
SIGNS AND SYMPTOMS OF EXPOSURE	Not expected to present a significant hazard under anticipated conditions of normal use.			
	Symptoms related to the physical, chemical, and toxicological characteristics: Nausea. Vomiting. Diarrhea. Stomach pain. Gas. Dizziness. Confusion. Anxiety. Fast heartbeat. Irregular heartbeat. Numbness, pain, tingling, or weakness in hands or feet. Shortness of breath. Tiredness. Weakn Muscle pain. Heaviness of legs. Paralysis.			
	Delayed and immediate effects of exposure: Hyperkalemia. Low blood pressure. Heart block.			
	Sickle cell or relate acidosis. Respirate	aggravated by exposure: ed anemias. Heart problems. Impaired kidney function. Adrenal insufficiency. Metabolic ory acidosis. Dehydration. Gastrointestinal constrictions. Familial periodic paralysis. betes. Heat cramps .		
POTENTIAL HEALTH EFFECTS	Inhalation	May be harmful if inhaled. May cause irritation to mucous membranes and respiratory tract.		
	Ingestion	May be harmful if swallowed. Causes diarrhea, nausea, vomiting, weakness, convulsions.		
	Skin	May be harmful if absorbed through skin. May cause skin irritation		
	Eyes	Causes eye irritation. Redness, pain.		

SECTION 12: ECOLOGICAL INFORMATION

ΤΟΧΙΟΙΤΥ	EC50: 48 Hr: Daphnia magna: (mg/L): Not available LC50: 96 Hr: Freshwater fish: (mg/L): Not available IC50: 72 Hr: Algae: (mg): Not available			
PERSISTENCE AND DEGRADABILITY	Not available			
BIOACCUMULATIVE POTENTIAL	Will not bio-accumulate.			
MOBILITY IN SOIL	Soluble in water (34g/100 mL (20 °C))			
OTHER ADVERSE EFFECTS	Not available			
	This product is not intended to be released into the environment			

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL

Dispose of in accordance with federal / local laws and regulations. Avoid release into the environment.



SECTION 14: TRANSPORT INFORMATION

UNITED STATES & CANADA			
UN PROPER SHIPPING NAME	Not dangerous good		
UN NUMBER	Not applicable		
CLASS	Not applicable		
PACKING GROUP	Not applicable		
AUSTRALIA			
UN PROPER SHIPPING NAME	Not dangerous good		
UN NUMBER	Not applicable		
CLASS	Not applicable		
PACKING GROUP	Not applicable		
HAZCHEM	Not Applicable		
ENVIRONMENTAL HAZARDS	Not available		
SPECIAL SHIPPING INFORMATION	Not applicable		

SECTION 15: REGULATORY INFORMATION

Chemical Name & CAS	CERCLA 40 CFR Part 302.4	SARA (Title III) 40 CFR Part 372.65	EPA 40 CF Appendix A	R Part 355 Appendix B	Pennsylvania	Right-to-know New Jersey	Massachusetts	California Prop 65
POTASSIUM CHLORIDE 7447-40-7	N/L	N/L	N/L	N/L	N/L	N/L	N/L	N/L

N/L = Not Listed; X = Listed

AUSTRALIAN REGULATIONS

Chemical Name & CAS	Poisons and Therapeutic Goods Regulation	Therapeutic Goods Act	Code of Practices - Illicit Drug Precursors
POTASSIUM CHLORIDE 7447-40-7	N/L	N/L	N/L

SECTION 16: OTHER INFORMATION

REFERENCES

Available upon request



ABBREVIATIONS AND ACRONYMS	CAS – Chemical Abstract Service; GHS – Global Harmonized System; OSHA PEL – Occupational Safety & Health Administration Permissible Exposure Limits; TWA – Time Weighted Average; HSIS – Hazardous Substances Information System; STEL – Short Term Exposure Limit; AIHA WEEL – American Industrial Hygiene Association Workplace Environment Exposure Levels; LD50 – Lethal Dose, 50%; IARC – International Agency for Research on Cancer; NTP – National Toxicology Program; WHMIS – Workplace Hazardous Materials Information System; SARA – Superfund Amendments and Reauthorization Act; EPA – Environmental Protection Agency; CERCLA – Comprehensive Environmental Response, Compensation, and Liability Act; HMIS – Hazardous Materials Information System; NIOSH – National Institute for Occupational Safety and Health; MSHA - Mine Safety and Health Administration; ACGIH - American Conference of Governmental Industrial Hygienists; IDHL - Immediately Dangerous to Health or Life; TLV – Threshold Limit Value; HSE – Health and Safety Executive; REL - Recommended Exposure Limit	
LAST REVISION	03/2016	
SUPERSEDES	06/2013	
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