

SAFETY DATA SHEET

POTASSIUM CHLORIDE

ACS Grade

SECTION 1: CHEMICAL AND COMPANY IDENTIFICATION

BioShop Canada Inc.
5480 Mainway
Burlington, Ontario L7L 6A4
1-800-234-1179
Emergency Telephone No.: 1-905-466-3832
Chemical Name: Potassium chloride
Catalog Number: POC308 POC888, POC999

SECTION 2 HAZARDS IDENTIFICATION

GHSClassification:
Not hazardous according to GHS

Target Organs: none
Eyes: May cause eye irritation.
Skin: May cause skin irritation.
Inhalation: may cause irritation. The toxicological properties of this substance have not been fully investigated.
Ingestion: May cause irritation of the digestive tract. The toxicological properties of this substance have not been fully investigated.

CHRONIC HEALTH HAZARDS: no information found

SECTION 3 COMPOSITION/ INGREDIENTS

	CAS #	%
Potassium Chloride :	7447-40-7	100

Molecular Formula: KCl
Molecular Weight: 75.54

SECTION 4 FIRST AID MEASURES

Eyes: Flush eyes with plenty of water for at least 15 minutes. GET MEDICAL AID.
Skin: Flush area immediately with plenty of soap and water while removing contaminated clothing and shoes..
Inhalation: Remove victim to fresh air. If not breathing give artificial respiration. If breathing is difficult give oxygen . GET MEDICAL ATTENTION.
Ingestion: Wash mouth with water..

SECTION 5 FIRE FIGHTING MEASURES

Flammable: No
Flash Point: N/A
Autoignition Temperature: N/A

Extinguishing Media: Use water spray, foam, dry chemical or carbon dioxide.

Explosion Data: Not available

SECTION 6 ACCIDENTAL RELEASE MEASURES

Ventilate the area. Wear appropriate protective equipment. Sweep and place in a closed container.

Leak and Spill Procedures: Ventilate the area. Wear appropriate protective equipment. Cover with dry lime or soda. Sweep and place in a closed container

SECTION 7 HANDLING AND STORAGE

Handling: Avoid contact. Do not get in eyes, on skin, or clothing. Wash thoroughly after handling. Wash contaminated clothing before reuse.

Storage Conditions: Room temperature.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits: none listed
Use adequate ventilation. AVOID DUST GENERATION.
Wear appropriate protective equipment to prevent eye and skin exposure. Wear appropriate respirator to prevent lung irritation.

Personal Protection: Lab coat, safety goggles, rubber gloves.

Ventilation: Local exhaust systems. Use fume hood

Respiratory protection: use OSHA/MSHA approved respirator.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Physical State: solid crystals
Appearance and Odor: white crystals, odorless
Melting Point: 773sublimes @ 1500° C
Specific Gravity: 1.987
Vapor Density: N/A
Water Solubility: yes
pH: N/A

SECTION 10 STABILITY AND REACTIVITY:

Stability: Stable at normal room temperature and pressure
Conditions to avoid: dust generation, moisture heat.
Incompatibility bromide trifluoride
Hazardous Decomposition Products: oxides of potassium, chlorine gas
Hazardous Polymerization: Has not been reported

SECTION 11 TOXICOLOGICAL PROPERTIES

Exposure Limits:
LD50 / LC50:
Not available

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Epidemiology: No data available
Teratogenicity: No data available
Reproductive Effects: No data available
Neurotoxicity: No data available
Mutagenicity: No data available
Carcinogenicity: Not listed by ACGIH, IARC, NTP, or OSHA

SECTION 12	ECOLOGICAL INFORMATION
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No information found.

SECTION 13	DISPOSAL CONSIDERATION
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Waste Disposal: Burn in chemical incinerator. Observe all Federal, provincial and local regulations.

SECTION 14	TRANSPORT INFORMATION
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Shipping Information: Not regulated

SECTION 15	REGULATORY INFORMATION
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US : TSCA: listed
European/International: N/A
Canada: WHMIS: **not controlled**

SECTION 16	ADDITIONAL INFORMATION
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Hazard Rating System

NFPA	Health	Fire	Reactivity
	1	0	0

Prepared By: M.Kierdelewicz (President)
Date Prepared: Jan 1/2025
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The information provided on this Material Safety Data Sheet is furnished in good faith and without warranty of any kind. The above information is believed to be correct and should be used only as a guide. BioShop Canada Inc. shall not be held liable for any damage resulting from the handling or from the contact with the above product.
Observe all federal, provincial and state laws concerning health, safety and pollution.