

SAFETY DATA SHEET

POTASSIUM DICHROMATE

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 dichromate
Catalog Number: PTD001

SECTION 2 HAZARDS IDENTIFICATION

GHS Classification:

Carc. 1B
Muta. 1B
Repr. 1B
Ox. Sol. 2
Acute Toxicity Dermal cat. 4
Acute Toxicity Oral cat. 3
Acute Toxicity Inhalation cat. 2
Skin Corr. 1B
Resp. Sens 1
Skin Sens. 1
Aquatic Acute 1
Aquatic Chronic 1

Pictogram:



Signal word: Danger

Hazard statement:

H272 May intensify fire; oxidizer.
H301 Toxic if swallowed.
H312 Harmful in contact with skin.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H330 Fatal if inhaled.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335 May cause respiratory irritation.
H340 May cause genetic defects.
H350 May cause cancer.
H372 Causes damage to organs through prolonged or repeated exposure.
H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements:

P260-Do not breathe dust
P264-wash skin thoroughly after handling.
P270- Do not eat or drink or smoke when using this product.
P280-Wear protective gloves/protective clothing/ eye protection/ face

protection.

P301+P310+P330 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Rinse mouth.

P304-P340+P310- IF INHALED remove person to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER/doctor

P303+P361+P331- IF ON SKIN: take off immediately all contaminated clothing. Rinse skin with water.

P305+P351+P338+P310- IF IN EYES: rinse cautiously with water for several minutes. remove contact lenses if present and easy to do. Continue rinsing.

.Immediately call POISON CENTER/doctor.

P363-wash contaminated clothing

P405-Store locked up

P501- Dispose of contents/ container to an approve waste disposal plant.

Target Organs: None known.

Eyes: Causes eye burns.

Skin: Causes skin irritation. Causes burns.

Inhalation: Causes irritation. Causes burns.

Ingestion: Harmful if swallowed.

CHRONIC HEALTH HAZARDS:

Corrosive. Harmful If swallowed. Causes severe eye and skin Irritation. Cause burns.

SECTION 3 COMPOSITION/ INGREDIENTS

CAS #	%
Potassium dichromate	
7778-50-9	99%

Molecular Formula: Cr₂K₂O₇

Molecular Weight: 294.18

SECTION 4 FIRST AID MEASURES

Eyes: Flush eyes with water for at least 15 minutes, occasionally lifting the upper and lower eyelids. GET MEDICAL ATTENTION

Skin: In case of contact, flush area immediately with soap and water while removing contaminated clothing and shoes. Wash clothing before reuse. Discard contaminated clothing in a manner which limits further exposure. GET MEDICAL ATTENTION.

Inhalation: GET MEDICAL ATTENTION IMMEDIATELY. Remove from exposure to fresh air. If not breathing give artificial respiration .If breathing is difficult, give oxygen.

Ingestion: If swallowed wash mouth out with water if person is conscious. GET MEDICAL ATTENTION. > Do Not induce vomiting.

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

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SECTION 6 ACCIDENTAL RELEASE MEASURES

Ventilate the area. Wear appropriate protective equipment. Sweep and place in a closed container. In the event of a fire always wear self-contained breathing apparatus, NIOSH/MSHA approved or equivalent.

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. Minimize dust generation.

Storage Conditions: Room temperature.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits:
0.05mg/m3, Canada

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: Crystalline solid

Appearance and Odor: N/A

Melting Point: 398C

Boiling Point: N/A

Specific Gravity: N/A

Vapor Density: N/A

Water Solubility: yes

pH: 3-5

SECTION 10 STABILITY AND REACTIVITY:

Stability: Stable under normal temperatures and pressure

Conditions to avoid: dust generation

Incompatibility: Organic materials, Do not store near acids., Powdered metals, Hydrazine

Hazardous Decomposition Product: potassium oxides chromium oxides

Hazardous Polymerization: Will not occur

SECTION 11 TOXICOLOGICAL PROPERTIES

Exposure Limits:

LD50 Oral - Rat - 90 mg/kg

LC50 Inhalation - Rat - 4 h - 0.083 mg/l

LD50 Dermal - Rat - 1,170 mg/kg

Skin corrosion/irritation

Skin - Rabbit

Result: Causes burns. - 4 h

Epidemiology: No data available

Teratogenicity: No data available

Reproductive Effects: No data available

Neurotoxicity: No data available

Mutagenicity: may cause genetic defects

Carcinogenicity: IARC, group 1, carcinogenic to Humans

SECTION 12 ECOLOGICAL INFORMATION

Toxicity:

Toxic to fish, algae, bacteria

SECTION 13 DISPOSAL CONSIDERATION

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

SECTION 14 TRANSPORT INFORMATION

TDG (Canada)

UN number: 3086 Class: 6.1 (5.1) Packing group: II

Proper shipping name: TOXIC SOLID, OXIDIZING, N.O.S.

IMDG

UN number: 3086 Class: 6.1 (5.1) Packing group: II EMS-No: F-A, S-Q

Proper shipping name: TOXIC SOLID, OXIDIZING, N.O.S. (Potassium dichromate)

Marine pollutant: yes

IATA

UN number: 3086 Class: 6.1 (5.1) Packing group: II

Proper shipping name: Toxic solid, oxidizing, n.o.s. (Potassium dichromate)

SECTION 15 REGULATORY INFORMATION

US : TSCA: listed

European/International: N/A

Canada: N/A

SECTION 16 ADDITIONAL INFORMATION

Prepared By: M.Kierdelewicz (President)

Date Prepared Jan 1/2025

Phone: (800) 234-1179

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.

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