SAFETY DATA SHEET SODIUM ORTHOVANADATE

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: Sodium orthovanadate Catalog Number: SOV850/SOV664 Recommended use: for research purposes only

SECTION 2 HAZARDS IDENTIFICATION

Emergency overview:

GHS Classification:

Acute toxicity, Oral (category 4) Acute toxicity, Inhalation (category 4) Acute toxicity, Dermal (category 4)

Pictogram



Signal word: WA

WARNING

Hazard statements:

H302+H312+H332- Harmful if swallowed, in contact with skin or if inhaled

Precautionary statement: P280 Use personal protective equipment as required.

Potential health effects:

Inhalation: harmful if inhaledSkin:May be harmful if absorbed through skinEyes:May cause eye irritationIngestion:Toxicif swallowed

SECTION 3	COMPOSITION/ INGREDIENTS	
	CAS #	%
Sodium orthoyan	adate 13721-39-6	100%

Molecular Formula: Na3O4V Molecular Weight: 183.91 g/mol

SECTION 4 FIRST AID MEASURES

Eyes: Flush eyes with plenty of water for at least 15 minutes. If irritation persists get medical attention. **Skin:** Flush area immediately with plenty of soap and water . **Inhalation:** Remove victim to fresh air. If not breathing give artificial respiration .Get medical attention if symptoms persist. **Ingestion:** Wash mouth with water.

SECTION 5 FIRE FIGHTING MEASURES

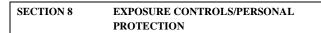
General Information: Always wear full protective gear in the event of a fire. Toxic gases and vapors may be generated by decomposition or combustion. Excessive dust in combination with air can create an explosive mixture. Flammable: No Flash Point: N/A Autoignition Temperature: N/A Extinguishing Media: 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. 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. Avoid generating dust.

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: 4.



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.

 $\label{eq:Ventilation: Ventilation: Ventilation} Ventilation: Use appropriate exhaust ventilation .$

Respiratory protection: use OSHA/MSHA approved dust masks.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Solid Appearance and Odor: white powder, no odor Freezing/Melting Point: n/a Boiling Point: N/A Specific Gravity: N/A

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Vapor Density: N/A Solubility: very poorly soluble in water pH: N/A

SECTION 10 STABILITY AND REACTIVITY:

Stability: Stable under normal temperatures and pressure
Conditions to avoid: dust generation. Excess heat
Incompatibility: Strong oxidizing agents
Hazardous Decomposition Products: Nitrogen oxides, carbon monoxide, carbon dioxide,
Hazardous Polymerization: Will not occur

SECTION 11 TOXICOLOGICAL PROPERTIES

Exposure Limits:

LD50 / LC50: LD50 Oral, rat: 330mg/kg

Epidemiology: No data available Teratogenicity; No data available Reproductive Effects: No data available Neurotoxicity: No data available Mutagenicity: No data available Carcinogenicity: No data available

SECTION 12 ECOLOGICAL INFORMATION

Toxicity:

No information found.

SECTION 13 DISPOSAL CONSIDERATION

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

SECTION 14 TRANSPORT INFORMATION

Shipping Information:

DOT (US): not regulated IMDG: not regulated IATA: not regulated

SECTION 15 REGULATORY INFORMATION

US: TSCA: listed Canada: WHMIS: D1B

SECTION 16 ADDITIONAL INFORMATION

Prepared By: M.Kierdelewicz (President) Date Prepared: Dec 29/2021 Phone: (800) 234-1179

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safety and pollution.