

# Material Safety Data Sheet

FIVEphoton Biochemicals  
4907 Morena Blvd, Ste 1403  
San Diego, CA 92117  
Tel. (800) 462-4507  
Fax. (858) 345.5291  
[technicalsupport@FIVEphoton.com](mailto:technicalsupport@FIVEphoton.com)

## A. Chemical Specification

**Product Name: Sodium Orthovanadate (Vanadate) (Activated)** (Part No. ActVO-4)  
200 mM Activated Sodium Orthovanadate Solution

Formula: Na<sub>3</sub>VO<sub>4</sub>  
CAS# 13721-3906  
SARA 313: No  
RTECS Number: YW1120000  
MW: 183

## B. Classification

Emergency Overview	HMIS Rating	NFPA Rating
Toxic (USA) Harmful (EU).	Health: 2	Health: 2
Harmful in contact with the skin and if swallowed.	Flammability: 0	Flammability: 0
	Reactivity: 0	Reactivity:

## C. First Aid

**Skin Exposure:** Flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. Call physician.

**Eye Exposure:** In case of contact with eyes, immediately flush eyes with copious amounts of water for at least 15 minutes. Call physician.

## D. Fire Fighting

**Extinguishing Media:** Suitable: Water spray, carbon dioxide, dry chemical powder or appropriate foam.

**Special Fire fighting Procedures:** Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

**Specific Hazard(s):** Emits toxic fumes under fire conditions.

**Flash point:** N/A

**Flammability:** N/A

## E. Accidental Release

**Procedure To Be Followed in Case Of Leak or Spill:** Evacuate area.

**Procedure(s) Of Personal Precaution(s):** Wear self-contained breathing apparatus, rubber boots and heavy rubber gloves

**Methods For Cleaning Up:** Siphon and hold for waste disposal. Ventilate area and wash spill site after material pickup is complete.

**Procedure To Be Followed in Case Of Leak or Spill:** Evacuate area.

**Procedure(s) Of Personal Precaution(s):** Wear self-contained breathing apparatus, rubber boots and heavy rubber gloves and Chemical safety goggles.

**Methods For Cleaning Up:** Siphon and hold for waste disposal. Ventilate area and wash spill site after material pickup is complete.

## G. Handling

**Handling:**

**User Exposure:** Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated exposure.

**Storage:** Suitable: Keep tightly closed.

## H. Exposure, protection

**Engineering Controls:** Safety shower and eye bath. Mechanical exhaust required.

**Hand:** Compatible chemical-resistant gloves.

**Eye:** Chemical safety goggles.

**General Hygiene Measures:** Wash hands thoroughly after handling.

**EXPOSURE LIMITS, RETCS**

## I. Physical Properties

**Appearance: Physical State:** Solid

## J. Stability and Reactivity

**Stability:** Stable

**Materials to Avoid:** Strong oxidizing agents.

**Hazardous Decomposition Products:** Nature of decompositions not known.

**Hazardous Polymerization:** Will not occur.

## K. Toxicology

Not Available

## M. Disposal

### Appropriate Method of Disposal of Substance or Preparation

Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state and local environmental regulations.

## N. Transportation

### DOT

Proper Shipping Name: None.

Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport.

### IATA

Non-Hazardous for Air Transport: non-hazardous for air transport.

## O. Regulatory Information

### EU ADDITIONAL CLASSIFICATION

Symbol of Danger: X

Indication of Danger: Harmful

R: 20/21/22

Risk Statement: Harmful in contact with skin and if swallowed.

S: 22-36

Safety Statements: Wear suitable protective clothing.

### US Classification and Label Text

Indication of Danger: Toxic (USA) Harmful (EU)

Risk Statement: Harmful by contact with skin



and if swallowed.

Safety Statements: Wear suitable protective clothing.

**United States Regulatory Information:**

**Sara Listed:** No

TSCA Inventory Item: Yes

**Canada Regulatory Information** WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

**DSL:** Yes

**NDSL:** No

**P. Disclaimer**

**DISCLAIMER**

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