A. Chemical Specification

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

Formula: Na₃VO₄
CAS# 13721-39-06
SARA 313: No
RTECS Number: YW1120000
MW: 183

B. Classification

<table>
<thead>
<tr>
<th>Emergency Overview</th>
<th>HMIS Rating</th>
<th>NFPA Rating</th>
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<tbody>
<tr>
<td>Toxic (USA) Harmful (EU).</td>
<td>Health: 2</td>
<td>Health: 2</td>
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<tr>
<td>Harmful in contact with the skin and if swallowed.</td>
<td>Flammability: 0</td>
<td>Flammability: 0</td>
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<td>Reactivity: 0</td>
<td>Reactivity:</td>
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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.

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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