



Safety Data Sheet

1. Product and Company Identification

Product Name:	Sodium Vanadium Phosphate
Chemical Formula:	Na ₃ V ₂ (PO ₄) ₃
Identified uses:	Laboratory chemicals, Synthesis of substances
Contact Information:	MTI Corporation 860 South 19 th Street Richmond, CA 94804, USA Tel: 510-525-3070 Fax: 510-525-4705 Email: info@mtixtl.com Website: www.mtixtl.com
Non-emergency assistance:	1-888-525-3070
Emergency assistance:	Company: CHEMTEL (MTI Contract# MIS2559467) Day or Night Tel (Within USA and Canada): 1-800-255-3924 Tel (Outside USA and Canada): 1-813-248-0585

2. Hazards Identification

Emergency Overview:

Toxic if swallowed

May cause irritation if inhaled.

For the full text of the H-Statements mentioned in this Section, see Section 16.

HMIS Rating

Health hazard: 1

Chronic Health Hazard:

Flammability: 0

Physical Hazard: 0

NFPA Rating

Health hazard: 1

Fire Hazard: 0

Reactivity Hazard: 0

GHS Label elements, including precautionary statements

No data available.

Hazards not otherwise classified (HNOC) or not covered by GHS

No data available.

3. Composition/Information on Ingredients

Substance Name

Formula Na₃V₂(PO₄)₃

Molecular weight 455.77 g/mol

CAS-No. N/A

4. First Aid Measures

Description of first aid measures

**General advice**

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

In case of eye contact

Flush eyes with water plenty of water. Consult a physician.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

5. Firefighting Measures

5.1 Extinguishing media**Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Avoid using stream of water for environment contamination.

5.2 Special hazards arising from the substance mixture

No data available.

5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting.

Move container to an open area.

Recycle the water used for firefighting to avoid environment contamination.

5.4 Further Information

No data available

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear self-contained breathing apparatus, anti-static clothing, and oil resistant rubber gloves.

Do not make direct contact of step over the spilled chemicals.

All the surrounded equipment should be well grounded.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

6.3 Methods and materials for containment and cleaning up

Recover and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For disposal see section 13.

7. Handling and Storage

7.1 Precautions for safe handling

Operator should be well trained and strictly follows the operating procedures.

Operation should be done in a well-ventilated area.

Avoid direct contact with skin or eye, avoid breath in dust.

Keep away from the fire and heat sources; smoking is strictly prohibited in the work place.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a cool, dry and well-ventilated place.

Recommended storage temperature: 35°C or lower.

Keep away from fire or heat source.

7.3 Specific end use(s)



8. Exposure Control/ Personal Protection

8.1 Control parameters

Components with workplace control parameters

No data available.

8.2 Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

If used in solution, or mixed with other substances, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Body Protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

a) Appearance	Form: Black Powder
b) Odor	none
c) Odor Threshold	No data available
d) pH	8
e) Melting point/freezing point	No data available
f) Initial boiling point and boiling range	No data available
g) Flash point	No data available
h) Evaporation rate	No data available
i) Flammability (solid, gas)	Non-flammable
j) Upper/lower flammability or explosive limits	No data available
k) Vapor pressure	No data available



l) Vapor density	No data available
m) Relative density	1.66 g/ml
n) Water solubility	Not soluble in water
o) Partition coefficient: n-octanol/water	No data available
p) Auto-ignition temperature	No data available
q) Decomposition temperature	No data available
r) Viscosity	No data available
s) Explosive properties	No data available
t) Oxidizing properties	No data available

9.2 Other safety information

No data available

10. Stability and Reactivity

10.1 Reactivity

No data available

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

Moist and heat

10.5 Incompatible materials

No data available

10.6 Hazardous decomposition products

Other decomposition products - No data available

In the event of fire: see section 5

11. Toxicological Information

11.1 Information on toxicological effects

Acute toxicity

Inhalation: No data available

Dermal: No data available

No data available

Skin corrosion/irritation

No data available

Serious eye damage/eye irritation

No data available

Respiratory or skin sensitization

Germ cell mutagenicity

No data available

Carcinogenicity

No data available

Reproductive toxicity

No data available

No data available

Specific target organ toxicity - single exposure

No data available

Specific target organ toxicity - repeated exposure

No data available

Aspiration hazard

No data available

12. Ecological Information

12.1 Toxicity

No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

13. Disposal Considerations

13.1 Waste treatment methods

Product

Recycle and reuse if possible.

Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging

Offer to a licensed disposal company.

14. Transport Information

DOT (US)

Not dangerous goods

IMDG

No data available

IATA

No data available

15. Regulatory Information

SARA 302 Components

No data available

SARA 313 Components

No data available

SARA 311/312 Hazards

No data available

16. Other Information

The information above is believed to be accurate and represents the best information currently available to us. However, it does not represent any guarantee of the properties of the product. We make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we shall not be held liable for any damage resulting from handling or from contact with the above product. Users should make their own investigations to determine the suitability of the information for their particular purposes.