

# MATERIAL SAFETY DATA SHEET

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## SECTION 1 Product Identification

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**CHEMICAL NAME:** GADOLINIUM VANADATE  
**CAS REGISTRY NUMBER:** Not determined  
**FORMULA:** GdVO<sub>4</sub>

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## SECTION 2 Composition and Information on Ingredients

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INGREDIENT:	CAS#	%	ACGIH (TWA)	OSHA (PEL)
Title Compound	No Data	100	No Data	No Data

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## SECTION 3 Hazards Identification

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**EMERGENCY OVERVIEW:** The properties of this material have not been fully investigated. For Research and developmental use only. The information provided is to the best of our knowledge.

**PRIMARY ROUTES OF EXPOSURE:**

**EYE CONTACT:** May cause irritation.

**SKIN CONTACT:** No initial effect on skin.

**INHALATION:** May cause mild irritation.

**INGESTION:** No Data

**CHRONIC HEALTH EFFECTS:** None Known

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## SECTION 4 First Aid Measures

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**EYE EXPOSURE:** Immediately flush the eyes with copious amounts of water (lukewarm if possible). Assure flushing under eyelids. A victim may need assistance in keeping their eyelids open. If redness or irritation persists, get medical attention.

**SKIN EXPOSURE:** Wash affected area with soap and water. Remove contaminated clothes if necessary. Seek medical assistance if irritation or redness develops.

**INHALATION:** Remove victim to fresh air. Consult physician if needed.

**INGESTION:** Seek medical attention.

## SECTION 5 Firefighting Measures

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**FLASH POINT:** Not applicable

**AUTOIGNITION TEMPERATURE:** Not applicable

**EXPLOSION LIMITS:** Not applicable

**EXTINGUISHING MEDIUM:** Material is not combustible. Use media suitable for other materials in area.

**SPECIAL FIREFIGHTING PROCEDURES:** If this product is involved in a fire, fire fighters should be equipped with a NIOSH approved positive pressure self-contained breathing apparatus and full protective clothing.

**HAZARDOUS COMBUSTION AND DECOMPOSITION PRODUCTS:** Toxic fumes of vanadium oxides.

**UNUSUAL FIRE OR EXPLOSION HAZARDS:** None known

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## SECTION 6 Accidental Release Measures

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**SPILL AND LEAK PROCEDURES:** In the case of a spill, sweep up and place in a well-marked container for disposal. Avoid raising dust. Avoid contact with material. Wear appropriate protective gear when handling.

**DISPOSAL:** Dispose of in accordance with all waste disposal regulations.

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## SECTION 7 Handling and Storage

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**HANDLING AND STORAGE:** Keep in a tightly sealed container.

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## SECTION 8 Exposure Controls and Personal Protection

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**EYE PROTECTION:** Always wear approved safety glasses w/side shields, or safety goggles when handling a chemicals substance in the laboratory.

**SKIN PROTECTION:** Wear appropriate chemical resistant gloves.

**VENTILATION:** Local exhaust

**RESPIRATOR:** If ventilation if not available, a respirator should be worn. The use of respirators requires a Respirator Protection Program to be in compliance with 29CFR 1910.34.

**ADDITIONAL PROTECTION:** Use in a controlled environment. Wear adequate protection to avoid contact with skin, eyes, clothing, shoes. Eyewash and shower capable of sustained flushing should be readily available.

Do not eat, smoke, drink in area.

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## SECTION 9 Physical and Chemical Properties

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**COLOR AND FORM:** mustard brown powder

**MOLECULAR WEIGHT:** No Data

**MELTING POINT (DEG. C.):** No Data

**SPECIFIC GRAVITY (WATER = 1):** No Data

**BOILING POINT:** No Data

**VAPOR PRESSURE:** Not applicable

**VAPOR DENSITY (AIR = 1):** No Data

**% VOLATILE BY VOLUME:** Non volatile

**SOLUBILITY IN WATER:** No Data