

## Vanadium Pentoxide

GfE Article no. 2008 620

### Formula



### Grade

Chemically pure

### Appearance

Orange powder

### Application

- **CATALYST INDUSTRY**  
Used for sulfuric acid, adipic acid.
- **FERTILIZER (AMMONIA, UREA) HYDROGEN (H<sub>2</sub>O<sub>2</sub>, METHANOL)**  
Used for corrosion inhibition in carbon dioxide scrubbers (gas sweetening) of types Benfield, Ventrocoke, Catacarb, Carbosolvan, Carsol and Girbotol.
- **CERAMIC INDUSTRY**  
Used for colorizing and glaze.
- **ENAMELLING INDUSTRY**  
Used for low melting enamel frits, e.g. for coating of aluminum.
- **GLASS INDUSTRY**  
Used for absorption of ultraviolet light or infrared light.
- **METALLURGY INDUSTRY**  
Used for manufacturing vanadium aluminum and for grain refining in tungsten carbides.

### Packaging

Steel drums 25 - 180 kg  
Big bags  
Other packing on request.

ADR/RID, IMDG, ICAO/IATA class 6.1

CAS no. 1314-62-1

UN no. 2862

### Chemical Analysis in wt%

V in total

as V<sub>2</sub>O<sub>5</sub> ≥99.6

V<sub>2</sub>O<sub>4</sub> ≤1

Na ≤0.02

K ≤0.02

Fe ≤0.03

Other elements on request.

### Physical Properties

Size: less than 1 mm