

Vanadium Pentoxide

GfE Article no. 2008 620

Formula

V_2O_5

Grade

Chemically pure

Appearance

Orange powder

Application

- CATALYST INDUSTRY**
 Used for sulfuric acid, adipic acid.
- FERTILIZER (AMMONIA, UREA) HYDROGEN (H₂O₂, METHANOL)**
 Used for corrosion inhibition in carbon dioxide scrubbers (gas sweetening) of types Benfield, Ventrocoke, Catacarb, Carbosolvan, Carsol and Girbotol.
- CERAMIC INDUSTRY**
 Used for coloring 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 - 200 kg.
 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_2O_5 ≥99.6

V_2O_4 ≤1

Na ≤0.02

K ≤0.02

Fe ≤0.03

Cr ≤0.01

Si ≤0.03

P ≤0.01

S ≤0.02

Other elements on request.

Physical Properties

Melting point abt.: 690 °C

Size: less than 1 mm

d(90) <300 μm