

VANADIUM PENTOXIDE

GfE Article no. 2008620

Formula

V_2O_5

Grade

chemically pure

Appearance

orange brown powder

Application

catalyst industry - used for sulfuric acid, adipic acid

fertilizer (ammonia, urea) hydrogen (H_2O_2 , 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

Origin

Germany

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

Tariff no. 2825 3000

Chemical Analysis

. spec. (wt. %)

V in total

as V_2O_5 min. 99.6

V_2O_4 max. 1

Na max. 0.02

K max. 0.02

Fe max. 0.03

Cr max. 0.01

Si max. 0.02

P max. 0.01

S max. 0.02

other elements on request

Physical Data

density 3.47 g/cm³

bulk density 0.9 g/cm³

melting point abt. 690 °C

molecular weight 181.88

size less than 1 mm

GfE Metalle und Materialien GmbH
has implemented and maintains a
DIN ISO 9001:2000 quality system.