

# VANADIUM DIOXIDE

GfE Article no. 2008623

## Formula

VO<sub>2</sub> (V<sub>2</sub>O<sub>4</sub>)

## Grade

chemically pure

## Appearance

black powder

## Application

**alloy industry** - used for manufacturing Vanadium Aluminum

**carbides** - used for manufacturing hard metals

## Packaging

steel drums 25 - 200 kg  
other packing on request

## Origin

Germany

## Quality

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

ADR/RID, IMDG, ICAO/ IATA class 6.1

CAS no. . . . . 1314-34-7

UN no. . . . . 3285

Tariff no. . . . . 2825 3001

## Chemical Analysis

. . . . . spec. (wt. %)

V . . . . . min. 61

N . . . . . max. 0.02

K . . . . . max. 0.02

Fe . . . . . max. 0.03

Cr . . . . . max. 0.01

Si . . . . . max. 0.02

P . . . . . max. 0.01

other elements on request

## Physical Data

density . . . . . 5 g/cm<sup>3</sup>

bulk density . . . . . 1.2 g/cm<sup>3</sup>

melting point abt. . . . . 1900 °C

molecular weight . . . . . 149.88

size . . . . . less than 3 mm

. . . . . d(90) = 300µm