

# POTASSIUM METAVANADATE

GfE Article no. 2008797

## Formula

$KVO_3$

## Grade

chemically pure

## Appearance

white powder

## Application

**catalyst industry** - used for sulfuric acid

**glass industry** - used for absorption of ultraviolet light (pentavalent vanadium)

**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

## Origin

Germany

## Packaging

steel drums 50 - 250 kg  
other packing on request

## 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. . . . . 13769-43-2

UN no. . . . . 2864

Tariff no. . . . . 2841 9030

## Chemical Analysis

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

V . . . . . min 36

$V_2O_5$ . . . . . min. 64.3

K . . . . . min. 26

$K_2O$  . . . . . min. 31.3

Na . . . . . max. 0.2

Fe . . . . . max. 0.02

other elements on request

## Physical Data

density . . . . . 2.84 g/cm<sup>3</sup>

bulk density . . . . . 1.1 g/cm<sup>3</sup>

melting point . . . . . 520 °C

molecular weight . . . . . 138.04

size . . . . . less than 1 mm