

# AMMONIUM POLYVANADATE

GfE Article no. 2008629

## Formula

$(\text{NH}_4)_2\text{V}_6\text{O}_{16}$

## Grade

filter cake

## Appearance

orange filter cake

## Application

**catalyst industry** - used for sulfuric acid, adipic acid

**ceramic industry** - used for colorizing, glazing

**enamelling industry** - used for low melting enamel frits e.g. for coating of aluminum

**fertilizer (ammonia, urea) hydrogen ( $\text{H}_2\text{O}_2$ , 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 25 - 200 kg  
other packing on request

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. . . . . 11115-67-6

UN no. . . . . 2861

Tariff no. . . . . 2841 9030

## Chemical Analysis

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

$\text{H}_2\text{O}$  . . . . . 15-30

in dry matter

$\text{V}_2\text{O}_5$  . . . . . min. 87.5

V . . . . . min. 49

Na . . . . . max. 0.05

K . . . . . max. 0.015

Fe . . . . . max. 0.03

Cr . . . . . max. 0.01

S . . . . . max. 0.01

P . . . . . max. 0.01

other elements on request

## no residue when dissolved in:

alkaline hydroxide and -carbonate,  
nitric acid, MEA (monoethanolamine)

## Physical Data

density . . . . . 3.03 g/cm<sup>3</sup>

bulk density . . . . . 0.9 g/cm<sup>3</sup>

melting point . . . . . decay 350 °C

molecular weight . . . . . 597.72