

**Identification**

NH<sub>4</sub>VO<sub>3</sub>  
M = 116,98 g/mol  
CAS [7803-55-6]  
EC number: 232-261-3  
Taric code: 2841 90 30

**Synonyms**

Ammonium metavanadate, Ammonium vanadate

**Applications**

for the identification of: phosphates, analytical chemistry.

**Specifications**

assay (permanganometric).....	min. 99,0 %	carbonates (CO <sub>3</sub> ).....	passes test
solubility in ammonium hydroxide.....	passes test	chlorides (Cl).....	max. 0,2 %
		sulfates (SO <sub>4</sub> ).....	max. 0,05 %

**Physical data**

- Appearance: granular powder, yellowish
- Bulk density: ~ 600 kg/m<sup>3</sup>
- Solub. in water: (15 °C): 5,2 g/l
- Melting point: ~ 200 °C (decomposes)
- pH(5 g/l H<sub>2</sub>O, 20 °C) ~ 6,5

**Safety - GHS**

**Signal Word:** Danger

**Hazard Statements:**

- H301: Toxic if swallowed.  
H332: Harmful if inhaled.  
H315: Causes skin irritation.  
H319: Causes serious eye irritation.  
H335: May cause respiratory irritation.

**Precautionary Statements:**

- P261: Avoid breathing dust / fume / gas / mist / vapours / spray.  
P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P321: Specific treatment (see on this label).  
P405: Store locked up.  
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

**Transport/storage**

- ADR: 6.1 T5 II • UN 2859 • AMMONIUM METAVANADATE
- IMDG: 6.1 II • UN 2859 • AMMONIUM METAVANADATE
- IATA/ICAO: 6.1 II • UN 2859 • AMMONIUM METAVANADATE
- PAX: 613
- CAO: 615
- 10°C - 30°C