

# Technical Data Sheet

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## Ammonium metatungstate

### Product Identification

Product name : Ammonium metatungstate  
Chemical Formula :  $(\text{NH}_4)_6\text{H}_2\text{W}_{12}\text{O}_{40}\cdot x\text{H}_2\text{O}$   
CAS No. : 12333-11-8

### Physical and Chemical Properties

Property	Value / Description
Purity	WO <sub>3</sub> 91% min
Physical State	Solid (powder)
Color	White to slightly off-white
Density	~2.9 g/cm <sup>3</sup>
Melting Point	Decomposes before melting (typically > 300 °C, releasing NH <sub>3</sub> and H <sub>2</sub> O)
Boiling Point	Not applicable (decomposes on heating)
Solubility in Water	Soluble in water (> 1.80 kg/ℓ)
Electrical Properties	Conductive in aqueous solution (forms polytungstate anions)
Stability	Stable under normal conditions
Reactivity	Incompatible with strong oxidizing agents and halogens

### Application

Catalyst precursor (hydrocracking, desulfurization), analytical chemistry, ceramics & tungsten oxide production, electroplating, flame retardants

### Packing

50kg net in sealed containers

### Shipping Regulations

Not subject to transport regulations

### Safety Information

Toxic if swallowed. May cause an allergic skin reaction.  
Suspected of damaging fertility or the unborn child.  
Causes damage to organs through skin exposure.  
May cause damage to organs through prolonged or repeated exposure by inhalation.

\*\*\*The information provided herein is for reference purposes only, and the user is responsible for determining the suitability of the product for their specific application.