

# EP11

## Technical Data Sheet

EP11

Ethylenediamine-o-phosphate, EDAP

Registration	
CAS No.	14852-17-6
EINECS No.	238-914-9

Handling and Safety
Avoid skin and eye contact. Wear protective clothing. Storage at dry condition.
Avoid dust formation. For more information see material safety data sheet.

Standard Packaging
Bag 40 kg

Chemical & Physical Properties	
Appearance	white powder
Assay (%)	min. 98
Bulk density (unmilled) (g/l)	700 - 900
pH value (saturated sol.; 20 °C)	6.9 – 7.1
Water content (%)	max. 0.5
Water solubility (20 °C) (g/l)	50
Phosphorus content (%)	18 – 21
Nitrogen content (%)	17 – 19
Decomposition starts at (°C)	230

Description
EP11 is a neutral halogen-free flame retardant, it is a salt of Ethylenediamine and Phosphoric acid.

Applications
EP11 is especially suited for polyolefins and in most thermoset applications.
It is self-intumescent and does not require a char-forming synergist.

November 2014

The information contained in this document is given in good faith based on our current knowledge. It is only an indication and is in no way binding, particularly as regards infringement of or prejudice to third party rights through the use of our products. This information must on no account be used as substitute for necessary prior tests which alone can ensure that a product is suitable for a given use. Users are responsible for ensuring compliance with local legislation and for obtaining the necessary certifications and authorisation.