

Product Information

Product Data Sheet

AMPHISOL® K

Product code: 0452130

Description

AMPHISOL® K is a white to beige, practically odourless powder.

Product identification

Product code: 0452130

Chemical names: phosphoric acid monohexadecyl ester potassium salt (1:1); potassium hexadecyl hydrogen phosphate; potassium monocetyl phosphate; 1-hexadecanol hydrogen phosphate potassium salt

Synonyms: potassium cetyl phosphate

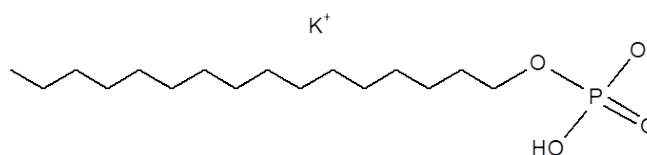
CAS No.: 19035-79-1

EINECS No.: 242-768-1

INCI name: potassium cetyl phosphate

Empirical formula: $C_{16}H_{34}O_4P \cdot K$

Molecular mass: 360.40 g/mol



Specifications

Appearance:	white to beige powder
pH 1 % in aqueous solution:	6.5 - 8.5
Acid value:	130-155 mg KOH per g
IR identification:	matches standard
Water (KF):	max. 2.5 %
Cetyl alcohol content (GLC):	max. 2 %
Potassium:	7.0 - 12.0 %

Solubility and dispersibility

AMPHISOL® K disperses in hot water, producing clear to slightly opaque solutions which gel on cooling if concentrated. AMPHISOL® K is generally dispersible in the heated oil phase of the preparation.

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Stability and storage

AMPHISOL® K is stable at room temperature if protected from light and humidity. The product may be stored for 48 months from the date of manufacture in the unopened original container and at a temperature below 25°C. The 'best use before' date is printed on the label.

Uses

As an oil-in-water anionic emulsifier in cosmetic preparations.

Regulatory status

EEC: permitted

Japan: JCID-XII-17

USA: no restriction

Safety

This product is safe for the intended use. Avoid ingestion and direct contact with eyes by applying suitable protective measures and personal hygiene.

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Additional information

To find out more about our ingredients, please contact your nearest DSM Nutritional Products office.

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