

Hordaphos MDAH

Edition 2013-07-25

Phosphate Ester

Chem. Group: Phosphate Ester
Product-No.: 107047

Supply Form:

CAS-No.: 12645-31-7

Product Description

Hordaphos MDAH is a clear, colourless to yellowish liquid with an ester-like odour that may darken during storage. The product is soluble in organic solvents. When the ester is neutralized, it is emulsifiable in water.

Delivery Specification and Technical Data

Characteristics	Unit	Target value	DS ¹⁾ TD ²⁾	Test method
Phosphorus	%(w/w)	11.0 - 12.0	<input checked="" type="checkbox"/> <input type="checkbox"/>	Photometry after oxidizing dissolution; (11/17) or wavelength dispersive X-ray fluorescence spectrometry; (11/23)
Density	g/cm ³	1.00 - 1.04	<input checked="" type="checkbox"/> <input type="checkbox"/>	at 20 °C, flexural resonator; (11/65)
Dynamic Viscosity	mPa*s	approx. 300	<input type="checkbox"/> <input checked="" type="checkbox"/>	at 20 °C
pH Value		approx. 2.5	<input type="checkbox"/> <input checked="" type="checkbox"/>	(10 g/l in Isopropanol/H ₂ O 3:1)
Acid Number	mg KOH/g	290 - 330	<input checked="" type="checkbox"/> <input type="checkbox"/>	titration using alkali, 2nd end point at pH 9-10; (11/11)

¹⁾ Delivery specification: The product is constantly monitored to ensure that it adheres to the specified values. Test methods: Clariant method numbers 11/xx in brackets.

²⁾ Technical data: The technical data are used solely to describe the product and are not subject to regular monitoring.

Applications

As wetting agent with defoaming ability Hordaphos MDAH is mainly used in alkaline cleaning agents and in surface treatment for the printing and coating industry. Furthermore it is used as a dispersing agent in pigment pastes. In metal pigment pastes the ester acts as corrosion inhibitor. Moreover Hordaphos MDAH is used in extraction and flotation agents.

Safety and Handling

For regulatory details such as the classification and labeling as dangerous substances or goods please refer to our corresponding material safety data sheet.

Minimum shelf life is 12 months from the date of shipping when stored according to the said conditions.

Dispatch and Storage

GGVE/RID -
GGVS/ADR -

Packaging

Hordaphos MDAH is despatched in 55 kg net tight head drums (440 kg pallets net), 200 kg net tight head drums (800 kg pallets)

ADNR	-	net), 950 kg net containers or road tankers.
IMDG-Code	-	
UN Number	-	
IATA-DGR	-	

Hordaphos MDAH must be stored in its tightly closed original container in a cool frost-free place away from direct sunlight.

For all specifications, deliveries and services the following applies:
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