

## Technical data sheet

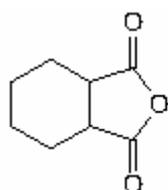
# Methylhexahydrophthalic anhydride (MHHPA/37 – MHHPA/S37)

Version: February 2007

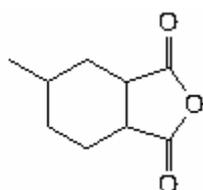
### Chemical composition

MHHPA/37 is a blend of cycloaliphatic anhydrides. Main components are Hexahydrophthalic anhydride (HHPA) and Methylhexahydrophthalic anhydride (MHHPA).

### Structural formula



HHPA



MHHPA

**Equivalent weight (theoretical):** 164.0

### CAS number

19438-60-9 (MHHPA)

85-42-7 (HHPA)

### EINECS number

243-072-0 (MHHPA)

201-604-9 (HHPA)

### Product specification

Characteristics	Unit	Value		Method*	Reference
		37	S-37		
Appearance		Clear liquid	Clear liquid	L000	
Purity	%	99. min	99.0 min	L001	
Colour	HZ	20 max	20 max	GM011	ASTM D-1209
Acid content	%	0.5 max	0.5 max	L002	
Heat stability (2h @ 160°C)	HZ	50 max	50 max	GM011	ASTM D-3366
Iodine number (Wijs)	gl <sub>2</sub> /100g	-	1.0 max	L016	

\* Internal methods available upon request.

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## Typical properties

Characteristics	Unit	Value (37 & S-37)
Density @ 25°C	g/ml	1.162
Viscosity @ 25°C	mPa.s	62
Vapour pressure @ 120°C	mmHg	3.0
Refractive index $n_D^{25}$		1.477

## Main applications

MHHPA/37 is mainly used as hardener for epoxy resins. It's also used as a raw material for coating resins.

Its use is recommended when excellent mechanical, electrical and chemical properties are requested in association with good colour retention.

It is particularly suitable for LED and Displays production.

The "S" version is especially formulated to have the best colour retention in LED applications.

## Handling

Packaging: galvanized steel drum 220 kg;  
bulk;  
upon request other form of packaging can be available.

Storage: it must be stored at no less than 15°C away from open flames or other potential ignition source, and should be protected from moisture.  
MHHPA/37 is a hygroscopic product, it can absorb the humidity from the air producing the corresponding acids. Because of the low solubility of the acids into the anhydrides, a formation of crystal precipitate could occur.

Shelf life: 12 months from production date.

*The information contained in this sheet is correct and accurate and is based on our technical and scientific knowledge and on literature at the date of going to press. Such information relates only to use of the products in the pure state and for the purposes stated herein. Nothing stated here may be taken or construed as implying of any existing patents. Nor is any warranty, whether explicit or implicit, given with regard to results to be obtained through the use of the aforesaid information.*