

1. DESIGNATION

Chemical name	:	BEHENIC ACID
CAS No.	:	112-85-6
EC no.	:	204-010-8
Origin	:	vegetable



2. SPECIFICATIONS

<u>CHARACTERISTICS (CoA)</u>		<u>UNITS</u>	<u>VALUES</u>	<u>METHODS</u>
Acid Value		mgKOH/g	162 - 168	ISO 660
Iodine Value		gI ₂ /100g	≤ 1.3	ISO 3961
Titer		°C	74 - 79	AOCS Cc 12-59
Lovibond 5¼", Yellow		None	≤ 3.5	BS 684 sec 1.14
Lovibond 5¼", Red		None	≤ 1.0	BS 684 sec 1.14
Fatty acid composition	C16	%(m/m)	≤ 2	AOCS Ce 1b-89
	C18		≤ 5	
	C20		≤ 9	
	C22		86.0 - 89.0	
	C22:1		≤ 1	
	C24		≤ 2.0	

PROPERTIES (indicative values)

Appearance at Room temperature		None	solid	
Colour		None	white	
Odour		None	typical	
Boiling point		°C	>300	
Self ignition temperature		°C	ca. 395	
Flash point		°C	ca. 190	ASTM D92
Vapour pressure	at 70°C	hPa	< 0.1	
	at 100°C		< 1	
Density	at 20°C	kg/m ³	ca. 890	
Solubility in water	at 20°C	g/100ml	< 0.005	
Solubility in organic solvents	at 25°C	g/100ml os	ca. 10	
Viscosity	at 70°C	cSt	ca. 12	

3. PROVISIONS

STANDARD PACKAGING

Bulk (RTC, molten).
As flakes.

TOTAL SHELF LIFE

For any bulk delivery we guarantee the product stays in standard specifications for max.1 month taken from date of departure from our plant stored in stainless steel tanks with nitrogen blanketing at max.90°C. Stored in the original sealed packing at max.40°C we guarantee the product stays in standard specifications for max.2 years.

PARTICULAR PROPERTIES

Once product has been in contact with air colour of product will/can intensify during storage not affecting other quality parameters.

SAFETY & REGULATORY DATA

Please refer to the relevant Safety Data Sheet for more information.

STORAGE RECOMMENDATIONS

Keep packaging unopened and undamaged.

Store at room temperature in a clean and aerated place.

