

Poly-Unsaturated Soya Fatty Acids (vegetable origin) Product Datasheet

Item number: 40-075

General Information

Chemical name:	Poly-Unsaturated Soya Fatty Acids
INCI name:	Soy Acid
CAS no.	68308-53-2
EC no.	269-657-0
Storage Recommendations:	<ul style="list-style-type: none">• Keep packing unopened and undamaged• store at room temperature in a clean and aerated place

Typical Values

Parameter	Unit	Typical	Min.	Max.	Method
Appearance at room temperature		Clear liquid			
Colour		white			
Odour		typical			
Flash point	°C		150		
Vapour pressure					
at 70 °C	hPa			0.1	
at 100 °C	hPa			1	
Density at 20 °C	kg / m ³	890			
Solubility in water at 70 °C	g / 100 ml			0.005	
Solubility in organic solvents at 25 °C	g / 100 ml os	10			
Viscosity at 40 °C	cSt	81			
Titer	°C		20	25	DGF-C-IV 3c
Iodine Value	gI ₂ / 100 g		129	139	AOCS Cd 1c-85
Acid Value	mg KOH / g		198	204	DGF-C-V 2
Gardner				1	EN 1557
Lovibond 5 ¼'', Yellow				5	EN 1557
Lovibond 5 ¼'', Red				1	EN 1557



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Fatty Acid Composition

Parameter	Unit	Typical	Min.	Max.	Method
</= C14	%			1	DGF-C-VI 11e
C16	%		10	12	DGF-C-VI 11e
C18	%		2	5	DGF-C-VI 11e
C18:1	%		22	27	DGF-C-VI 11e
C18:2	%		49	56	DGF-C-VI 11e
C18:3	%		6	9	DGF-C-VI 11e

Packaging

- Bulk in road tankers

Shelf Life

When stored in sealed original packaging at temperatures of max. 30 °C product is stable for approx. 1 year.
When stored in stainless steel or aluminum tank at temperatures of 30-40 °C the product is stable for approx. 2 weeks; if kept under nitrogen blanket for approx. 6 weeks.