



OCTYL STEARATE (OS)

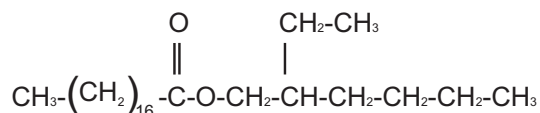
OCTYL STEARATE (OS)

Primary plasticizer for PVC and PVC copolymers

Chemical Nature

Stearate acid ester of C₈alcohol

Chemical Name	:-	2-Ethylhexyl Stearate.
Trade Name	:-	OS
Molecular Formula	:-	C ₂₆ H ₅₂ O ₂
Molecular Weight	:-	396
Molecular Structure	:-	C ₁₇ H ₃₅ COOC ₈ H ₁₇



CAS Number	:-	22047-49-0
UN. NO	:-	
EINECS NO	:-	

Specification

Characteristics

Unit

Test Method

Value

Colour	HU	ASTM-D-1045-86	60 max.
Volatile Loss (130°C/3 Hrs)	wt. %	KLJTM	0.20 max.
Ester Value	mg KOH/g	ASTM-D-1045-86	140-145.
Acidity	wt. %	ASTM-D-1045-86	0.50 max.
Moisture	wt. %	ASTM-E-203	0.10 max.
Specific Gravity (27°C)	-	ASTM-D-1045-86	0.855-0.865.
Ester content	wt. %	ASTM-D-1045-86	99.50 min.
Heat Stability (180°C/2 Hrs)	HU	ISI-9591-96	No Change.
Acidity after heat treatment	wt. %	ASTM-D-1045-86	NA.
Plasticizing Esters by GC	% by area	KLJTM	99.00 min.

Typical Properties

Flash Point	°C	KLJTM	425.
Refractive Index (25°C)	--	ASTM-D-1045-86	1.440-1.450
Viscosity at 25°C	cp	KLJTM	18-20.
Iodine Value	ppm	KLJ TM	2.5

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Properties

OS is low colour and low odour oily liquid, free of foreign materials.

Application

It is used widely in the metal working industry as a lubricant. Commonly used emollient in makeup and skin care products.

Packing & Storage

OS is packed in 190/200 kg iron drum / HDPE drum, 20 - 22 MT in Flexi tank / ISO tank / road tanker. It is stored in tightly closed container, in a cool, dry, ventilated area.

Shelf Life

Original characteristics remain intact for 24 months, if kept in recommended storage.

Safety

The MSDS can be provided on request.

Disclaimer

The data contained in this publication are based on our current knowledge and experience. During processing, there are so many factors which may affect the application part of OS, so these data neither imply any guarantee of certain properties, nor the suitability of the product for the specific purpose. Any data given in this publication may change without prior information and do not constitute the agreed quality of our product.

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