



Product Specification

Product Name: STEARIC ACID LR

Alternate Name(s) Octadecanoic acid; n-octadecanoic acid; 1-heptadecanecarboxylic acid.

Description

White or yellowish-white flakes. Odour resembles fats and oils. It is a mixture of solid organic acids obtained from fats consisting chiefly of Stearic Acid and Palmitic Acid.

Properties

Chemical Formula:

Molecular Weight: 284.48

Product Code: SL049

CAS No. 57-11-4

General Information:

Insoluble in water. Soluble in alcohol, ether, chloroform, carbon disulfide and carbon tetrachloride. Incompatible with strong oxidisers and strong bases. Combustible.

Hazard and Safety Data

UN Group: None Allocated

Class: None Allocated

UN Number: None Allocated

Hazchem code: None Allocated

CS MSDS Code: 1CH6Y

Poison schedule: Not Scheduled

Emergency

Procedure Guide No.: N/A

Quality Specification

Assay: 48 - 56% (as C18)

Specific Properties and Impurities [Typical levels]:

Acid value	206 - 211
Saponification value	207 - 212
Iodine value	≤ 0.5
Titre, °C	55 - 56
Colour, Lovibond 5.25"	≤ 0.3 Red, ≤ 3.0 Yellow
Fatty acid composition, %	
C12	< 1
C14	< 2
C16	43 - 50
C18	48 - 56
C18-1	Trace
C20	< 1

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