



Product Specification

Product Name: OLEIC ACID LR

Alternate Name(s) cis-9-Octadecenoic acid; cis-Octadec-9-enoic acid; 9,10-Octadecenoic acid;

Description

Water-white liquid. If exposed to air, may develop a yellow to brown colour. Lardy odour.

Properties

Chemical Formula: $C_{17}H_{33}COOH$

Molecular Weight: 282.47

Product Code: OL004

CAS No.: 112-80-1

General Information:

Insoluble in water. Soluble in alcohol, benzene, chloroform, ether and most organic solvents, fixed and volatile oils.

Hazard and Safety Data

UN Group: None Allocated

Class: None Allocated

UN Number: None Allocated

Hazchem code: None Allocated

CS MSDS Code: 1CHFA

Poison schedule: Not Scheduled

Emergency

Procedure Guide No.: N/A

Quality Specification

Assay:

Specific Properties and Impurities [Typical levels]:

Specific gravity	0.891
Melting point	13-14°C
Boiling point	360°C
Acid value (mg KOH/g)	195 - 203
Saponification value (mg KOH/g)	196 - 204
Iodine value (I ₂) (mg/100g)	86
Titre (°C)	8.5
Colour (APHA)	225
Fatty Acid Composition (%)	
C18:1 Oleic	75
C18:2 Linoleic	13

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