



TRI-TECH CHEMICAL COMPANY Pty Ltd.

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TRILUBE 368 – MEDIUM CHAIN TRIGLYCERIDE (MCT)

Trilube 368 is a high purity mixture of triglycerides of saturated fatty acids, mainly Capric Acid and Caprylic acid. It is a clear, low viscosity liquid which is suitable for use in cosmetic applications topical medicinal preparations and some food applications.

APPLICATIONS

Trilube 368 is predominantly used in personal care applications as an emollient and a carrier for actives and is also used in food applications. It is commonly used in the formulation of lipstick, eye makeup, foundations, blushers, perfumes, moisturizers, suntan/sunscreen products and many other products. It is also used in food applications such as nutritional drinks, infant formulas and other nutritional supplements

Trilube 368 has the following physical properties:

PARAMETERS	SPECIFICATION	TEST METHOD
Appearance	Colourless or slightly yellowish oily liquid (70APHA MAX)	-Visual -AOCS (LICO 400)
Acid Value, mgKOH/g	0.1 MAX	AOCS Te2a-64
Saponification Value, mgKOH/g	325 – 345	ISO 3657
Hydroxyl Value, mgKOH/g	8 MAX	AOCS Cd 1b-87
Iodine Value, gI ₂ /100g	0.5 MAX	AOCS Cd13-60
Peroxide Value, meq/kg	1 MAX	AOCS Cd 8-53
Moisture, %	0.15 MAX	AOCS (Karl Fischer)
Fatty Acid Composition, %		ISO 5509
C8	55 – 65	
C10	35 – 45	
Others	2 MAX	
PARAMETERS	SPECIFICATION	TEST METHOD
Relative density at 20/20°C	0.93 – 0.96	AOCS Ea 7-95
Refractive Index N ₂₀ /D	1.440 – 1.452	AOCS Cc 7-25
Viscosity at 20°C, mPas	25 – 33	AOCS Tb 2-64
Unsaponifiable Matter, %	0.5 MAX	ASTM D445
Alkaline Impurities, ml	0.15 MAX	EP
Total Ash, %	0.1 MAX	ISO 2098
PARAMETERS	SPECIFICATION	TEST METHOD
Heavy metals (as Pb), ppm	10 MAX	ICPMS
Chromium, ppm	0.05 MAX	ICPMS
Copper, ppm	0.1 MAX	ICPMS
Lead, ppm	0.1 MAX	ICPMS
Nickel, ppm	0.1 MAX	ICPMS
Tin, ppm	0.1 MAX	ICPMS

The above product complies to USP 35 NF 30 (year 2012), EP 7.0 Edition (year 2011), BP 7th Edition (year 2012) specifications.

PACKAGING AND STORAGE

Trilube 368 is available in 190kg metal drums. Packages should be closed after decanting. Shelf life if stored appropriately is 2 years. The product must be stored in a sheltered and well-ventilated warehouse; not exposed to moisture and direct sunlight. The product must be stored in a place where the temperature does not exceed 30 Degrees centigrade. Deviation from these conditions may affect the stability of the product.