



A taste of *Rdiamuls*[®] medium chain triglycerides

RADIAMULS
TRADEMARK OF OLEON

A medium chain triglyceride (MCT) is composed of a glycerol backbone linked to three fatty acids with a chain length ranging from 6 to 10 carbons. Because of their shorter chain length, MCTs have a number of unique nutritional and technological properties which give advantages over the more common long chain triglycerides. MCTs have a smaller molecular weight giving the oil a low viscosity. Additionally the oil is completely saturated and therefore very resistant to oxidation.

OUR SOLUTIONS

ANIMAL NUTRITION

Energy source

Rdiamuls MCT 2107V

INFANT NUTRITION

Purified up to infant nutrition requirements

Rdiamuls MCT 2105K

SPORTS NUTRITION

Energy source

Rdiamuls MCT 2107K

FUNCTIONALITY

MCTs have a unique metabolism and are more **easily digested** than other triglycerides. They serve as a direct **energy source** in infant nutrition, clinical nutrition and sports nutrition.

Unlike some other vegetable oils, MCTs are odorless and tasteless. This makes MCT an excellent **solvent** for flavors and a good **lubricating ingredient** for the bakery and confectionery industry.

LUBRICANT

Demolding and anti-sticking agent

Rdiamuls MCT 2107K

FLAVORS AND FRAGRANCES

Solvent for flavors

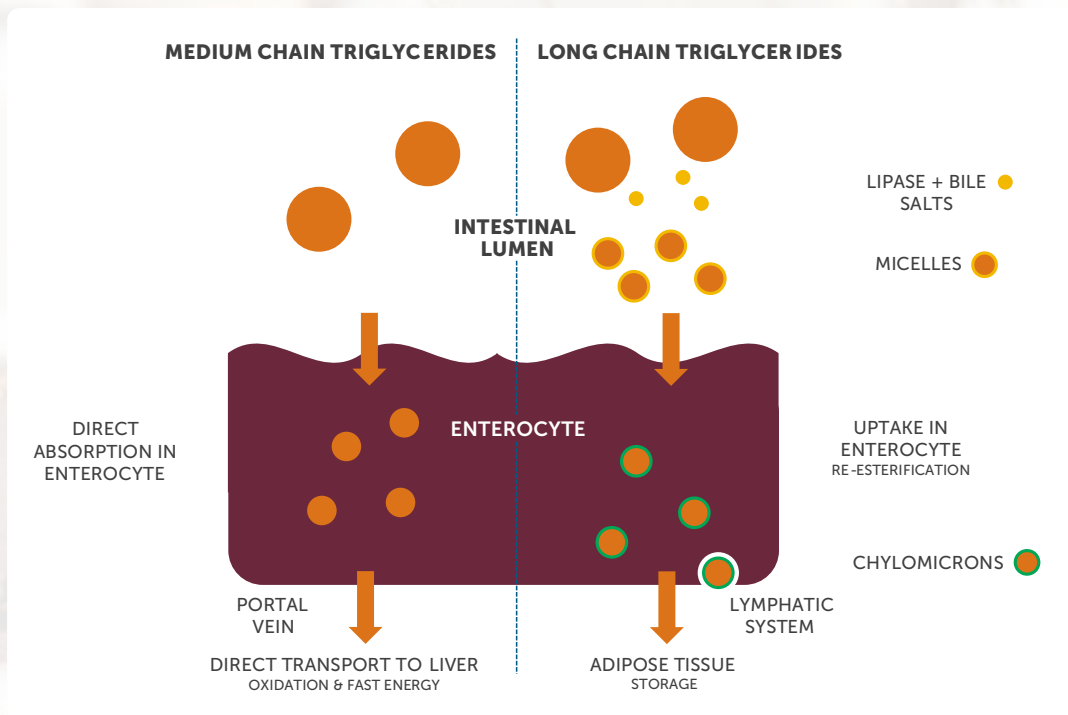
Rdiamuls MCT 2107K
Radia 7102K

ANTI-DUSTING AGENT

Rdiamuls MCT 2107K

METABOLISM OF MCTs & LCTs

Unlike LCTs, low molecular weight MCTs can be absorbed by the intestinal wall without the need for micelle formation or enzymatic hydrolysis unlike the LCTs. The long chain free fatty acids are absorbed into the intestinal wall and re-esterified into LCTs after which they are secreted as chylomicrons. These molecules are transported within the body by the lymphatic system and mostly stored as depot fat in the adipose tissue.



MCTs on the other hand are split into fatty acids and glycerin inside the intestinal wall and are directly taken up in the bloodstream. The portal vein transports the molecules to the liver, where they are used as an immediate source of energy by organs and muscles.

	PACKAGING	SHELF LIFE
Radiamuls MCT 2105K medium chain triglycerides	24kg jerrycan 195kg drum 950kg IBC	24 months
Radiamuls MCT 2107K/V medium chain triglycerides	24kg jerrycan 195kg drum 950kg IBC	24 months
Radiamuls MCT 2109K medium chain triglycerides	195kg drum 950kg IBC	24 months
Radia 7102K medium chain triglycerides	195kg drum 950kg IBC	24 months

Looking for coconut based products?

Radiamuls MCT 2109K

oleon
a natural chemistry

NUTRITION

Oleon NV

Assenedestraat 2 | 9940 Ertvelde | Belgium T +32 (0)9 341 10 11 | E info@oleon.com