

MCT Oil Use in Remidose Products

Remidose products contain a small amount of medium chain triglyceride (MCT) oil that is used to help formulate our extracts. Remidose believes that the use of MCT oil in our metered dose inhalers (MDI) presents a much safer alternative to products which are subject to heating prior to inhalation. The FDA has produced a list of Potentially Harmful Constituents in Tobacco Products and Tobacco Smoke. Remidose has referred to this list and confirmed that caprylic acid and capric acid, the two constituents that make up MCT oil are not included on the FDA's list. Studies have shown that toxic decomposition products may be produced when some cannabis oil thinning agents are heated prior to inhalation. These include acetaldehyde, acrolein, and formaldehyde. These chemicals may be produced during the thermal degradation of polyethylene glycol, propylene glycol, vegetable glycerin, and MCT oil. As Remidose's MDI's do not heat the product prior to inhalation, these harmful constituents will not be produced when our MDI's are activated. In addition, the current research into EVALI and lipoid pneumonia caused by vaping shows that the probable cause of the condition is linked to the Vitamin E oil used in these products, not MCT. There is not enough research to conclude that non-heated MCT oil has negative effects or leads to lipoid pneumonia and other pulmonary toxicity.

Below are some of the research articles that support the above.

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6952050/>

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC10034821/>

<https://wjarr.com/sites/default/files/WJARR-2022-0353.pdf>

https://www.cdc.gov/tobacco/basic_information/e-cigarettes/severe-lung-disease.html

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7351931/>