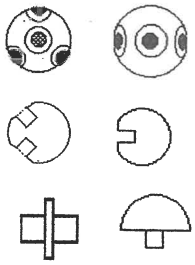
molymod® molecular models - Organic

Fat
Art. Nr. MKS-114-U

Contents:

Quantity	Atoms	Colour	Holes	Type		Angle	Diameter
54	Carbon	Black	4	tetrahedral	sp3	109 °	23 mm
3	Carbon	Black	3	trigonal	sp2	120 °	23 mm
3	Oxygen	Red	2	angular		105 °	23 mm
3	Oxygen	Red	1				23 mm
110	Hydrogen	White	1	Atom-link			16 mm
65			Links short				
1			Link Extractor Tool				



Notes:

1. This set has been designed for demonstration of a compact model of Fat (Tripalmitin) by the teacher.
2. Use the short NV links between the Carbon atoms.
3. The links can be left in the Carbon atoms after the model has been dismantled.
4. The white atoms in the shape of a mushroom represent Hydrogen.
5. Two types of Carbon atom are supplied. The sp2 (three holes) is used to make the Carboxyl group ring and the sp3 (four holes) is used for the chain.
6. The inter-atom scale is approximately 1.45 cm/Angstrom.
7. The links can be removed using the extractor tool (supplied with this set) as explained below.

Formula of Fat

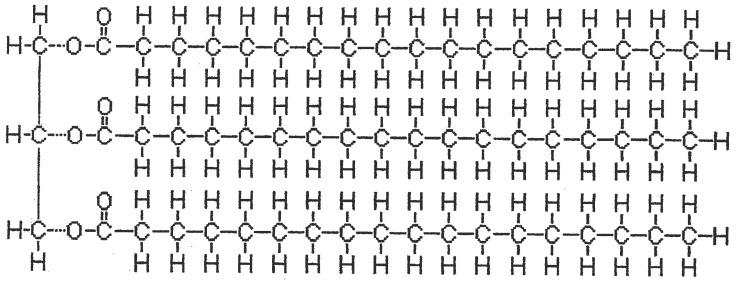
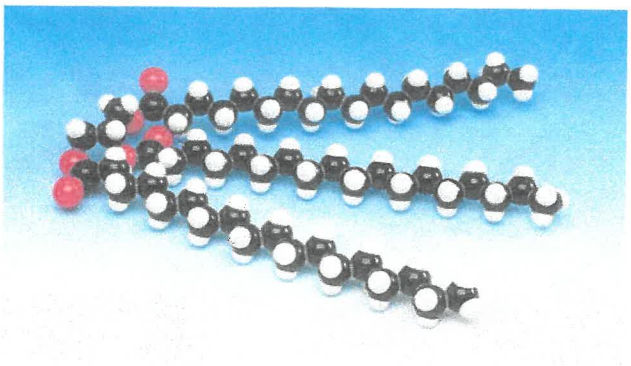
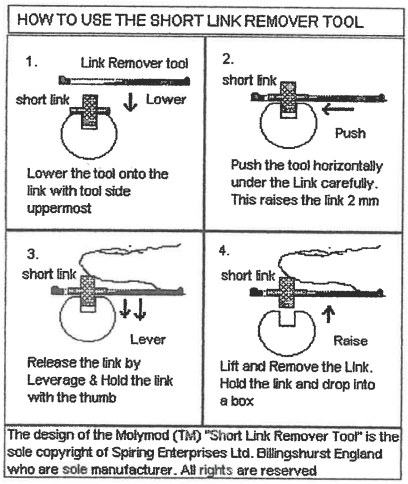


Photo of Fat (Glyceryl tristearate)



How to Use the Short Link Remover Tool:

1. Lower the tool onto the link with the top-side of the tool uppermost.
2. Push the tool horizontally under the link completely which will raise the link 2 mm. Do NOT attempt to lever too soon as this puts unnecessary strain on the edge of the tool.
3. Release the link by careful leverage, holding the link with the thumb.
4. Lift and remove the link holding it by the thumb, and drop the link into the box.



The molymod® system of molecular models is made in England by
Spiring Enterprises Ltd., Billingshurst, West Sussex, RH14 9EZ.
This dual-scale system of molymod® molecular models using connectors having a distinctive curved shape of the links with "shoulders" is the original design and invention of Mr. James C. Spiring of England. The trade-marks molymod®, molydome™ and atomod™ are the exclusive property of Spiring Enterprises Ltd. England and all rights are reserved.