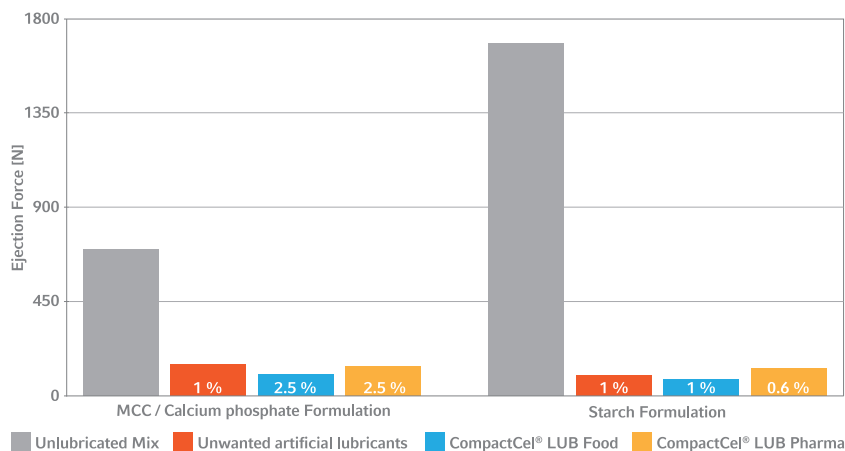


An easy-to-use
lubricant premix
which supports your
clean label strategy?
Why not!

Formulated with sustainable ingredients that are plant-based, gluten-free and vegan.

The efficiency of a lubricant is reflected in a low ejection force



Product Information CompactCel® LUB

BIOGRUND's one-step ingredient premix **CompactCel® LUB** enhances the flow of tablet production by reducing friction between particles at the interface between the tablet and the die wall. The compound reduces wear on punches and prevents sticking to punch faces. Furthermore **CompactCel® LUB** is also suitable for filling and closing hard gelatin capsules to achieve a smooth filling process.

When tableting processes are required it is always a challenge to find the right amount of lubricant for the blended powder formulation. By using a too low content of lubricant it may cause punch filming during the compaction in the tableting machine. By using too much the tablet hardness or the tablet disintegration times could be negatively impacted. These effects occur particularly when magnesium stearate is used.

Therefore, **CompactCel® LUB** is formulated with ingredients that prevent these side effects. It provides good lubrication without affecting the requirements of the tablet and a fluent compression process will be achieved. The premix is available in

different formulations, depending on individual tablet or capsule requirements. The natural ingredient-based formulations are plant-based, gluten-free and vegan to support your clean-label strategy. **CompactCel® LUB** can be used to replace unwanted artificial lubricants, which are often the cause of many problems with solid oral dosage forms, to reduce undesirable side effects to a minimum.

For a direct compression process just add the premix to the tablet formulation shortly before the tableting process. Depending on the formulation it is recommended using 0.5-3% **CompactCel® LUB** within the core formulation to achieve best results. For the wet granulation process it has to be added after the granulation process. The technological functions of the ingredients develop their effect during the manufacturing process and have no more significance for your final product.

CompactCel® LUB can be used for pharmaceutical products and for nutritional or dietary supplements.

General Information on BIOGRUND

Since 1999, **BIOGRUND** has been the specialist for the homogeneous mixing of excipients and carriers. With locations in Germany, Switzerland, America and Russia, we support the food supplement and pharmaceutical industry in the development, formulation and production of solid oral dosage forms. The tailor-made and ready-to-use special powder mixtures for film coating, sugar-coating, coloring and tableting enable optimum results in a short time. Easy, fast and reliable!

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