

PRODUCT FOCUS

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AKOPOL™ NH

– non-hydrogenated compound coatings for CLEAN labelling

## AKOPOL™ NH for non-hydrogenated compounds

AKOPOL™ NH 60 is non-lauric Cocoa Butter Replacers (CBRs) manufactured without the use of hydrogenation and free from trans fatty acids. It is highly suited for compound-coating applications where chocolate-rich flavour and clean labelling are the objectives.

Just like traditional CBRs the AKOPOL™ NH 60 do not require a tempering process and may be recycled together with chocolate products due to the non-lauric properties. AKOPOL™ NH 60 is a flexible ingredient for use in a wide range of coating application. On top of this AKOPOL™ NH 60 has a healthier profile where the sum of trans fatty acids plus saturated fatty acids is significantly lower than that of standard coating fats (see figure 1).

The sensory profile of AKOPOL™ NH 60 is close to traditional high trans CBR, see figure 2.

## Nutrition labelling of AKOPOL™ NH

AKOPOL™ NH 60 should be labelled as “vegetable fat” since no hydrogenation was applied during production. As a manufacturer you can thus get a clean label when using the non-hydrogenated AKOPOL™ NH 60 and therefore avoid a growing barrier for having your product accepted by retailers.

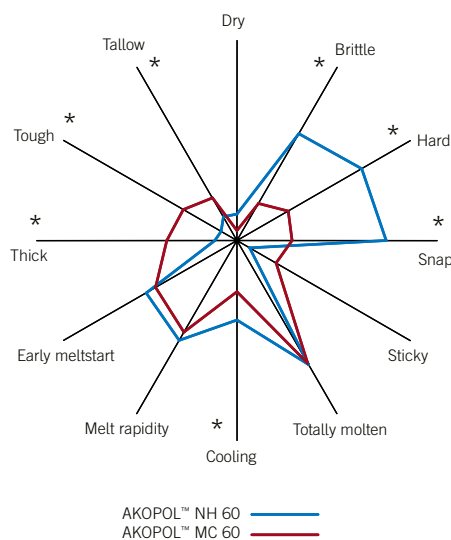
## Using AKOPOL™ NH 60 in your compound offers you the following advantages:

- A non-lauric and non-hydrogenated compound free from trans fatty acids.
- A low sum of saturated fatty acids and trans fatty acids, which improves the nutritional profile of the final product.
- A chocolate-rich flavour from the use of some cocoa mass.
- The final product will be hard and stable at room temperature and non-greasy.

Figure 1: Fatty acid composition of AKOPOL™ NH 60 and usual alternatives

	AKOPOL™ NH 60	Standard CBR	Standard CBS
Saturates	65	32	100
Cis-mono unsaturated	30	15	0
Cis-poly unsaturated	5	0	0
Trans	<1	53	<1
Saturated + trans	65	85	100

Figure 2: Sensory evaluation between a standard CBR and AKOPOL™ NH 60



\* Stars indicate a significant difference at a 5 percent level.

Figure 3: Recipe suggestion

	Contents
Sugar	49
AKOPOL™ NH 60	29
Cocoa powder (10-12 %)	13
Skim milk powder	6
Cocoa mass	3
Lecithin	0.2-0.4