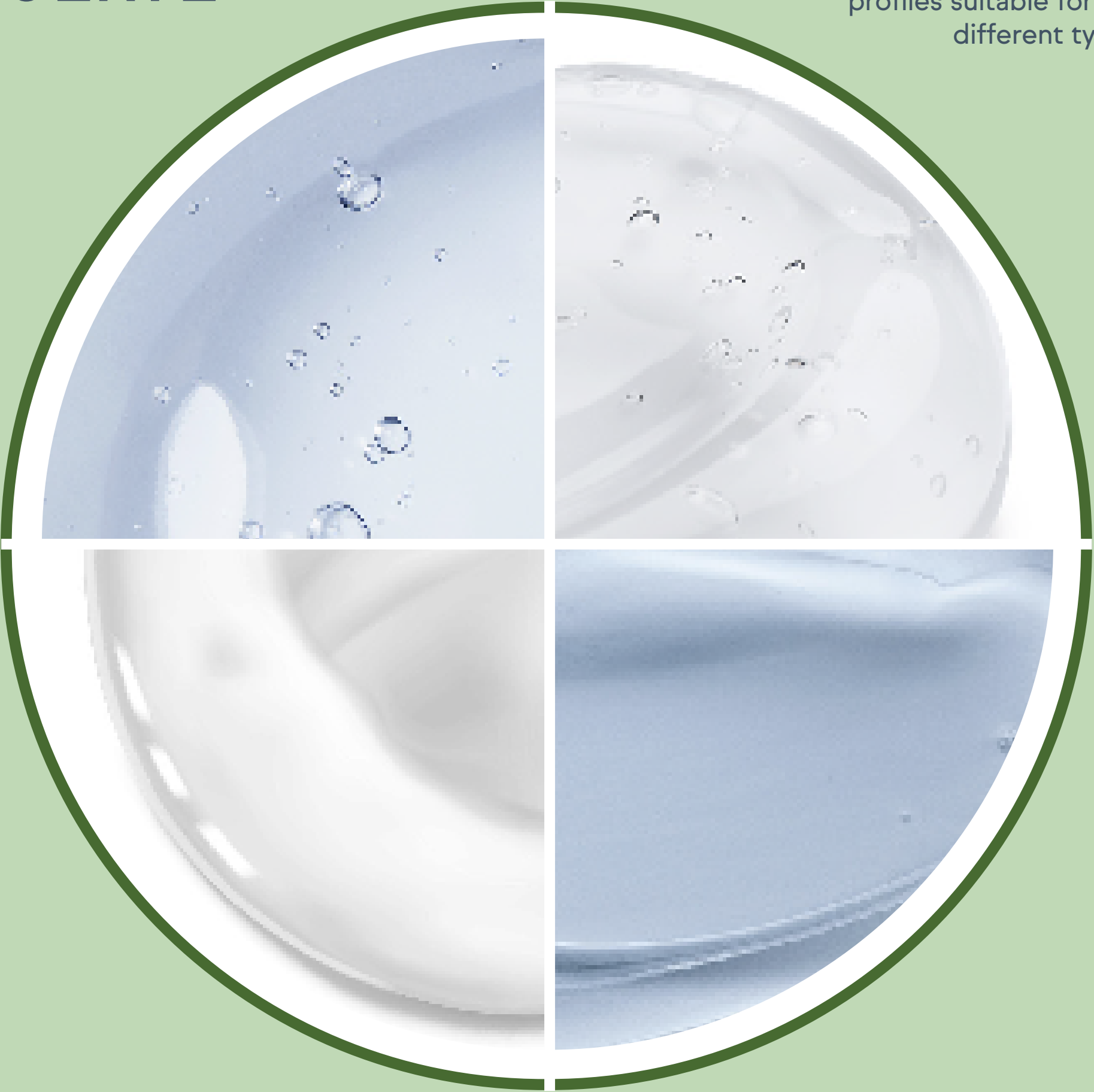


TIPS ON HOW TO FORMULATE WITH AURIST™ GHI

AURIST™ GHI is a flexible natural rheology modifier with unique sensory profiles suitable for all applications. In this infographic, we demonstrate different types of formulation AURIST™ GHI is compatible with.



FORMULATION AT LOW PH

Example formulation: Formula with AHA
AURIST™ GHI is stable in a wide range of pH as demonstrated in the chart.

Brooklyn Viscosity (mPa.s)

pH	Brooklyn Viscosity (mPa.s)
3.0	6200
4.5	6800
6.0	7000
7.5	6500
9.0	6600
10.5	6400
12.0	6000

Fig 1. Brookfield Viscosity (1% AURIST™ GHI)

COLD PROCESSING

Example formulation: Hair conditioner
AURIST™ GHI can be processed in both hot and cold water.

Cold processing can translate into overall production cost saving.

FORMULATION WITH CATIONIC COMPONENTS

Example formulation: Serum with LAE
Unlike the anionic charged Xanthan gum, AURIST™ GHI is uncharged and hence compatible with both cationic and anionic components.

Guar gum

Xanthan gum

NATURAL FORMULATION WITH GOOD SENSORY

Example formulation: Moisturizing lubricant
Using a combination of AURIST™ GHI and xanthan gum can deliver higher viscosity than xanthan gum alone, but with better overall sensory. This synergy effect allows to reduce the total amount of polymer in the final formula.

Fig 3: The combo of AURIST™ GHI and Xanthan gum shows reduced stickiness compared to using Xanthan alone.