

## SUSTAINABLE METALWORKING

HAKUFORM SE Water-miscible cooling lubricants



Harmony in Chemistry

www.kluthe.com

## WATER-MISCIBLE COOLING LUBRICANTS

## SUSTAINABLE EMULSIONS FOR MACHINING AND FORMING

With our **HAKUFORM SE** series we take the standard in water-miscible cooling lubricants to the next level. Combining the properties and advantages of our long running and established products with those of sustainable and aromatic-free base oils.

The lubricants bring maximum performance to cutting operations and enhance tool lifetime. Corrosion protection is outstanding and the fluid provides both pH- and bio-stability.

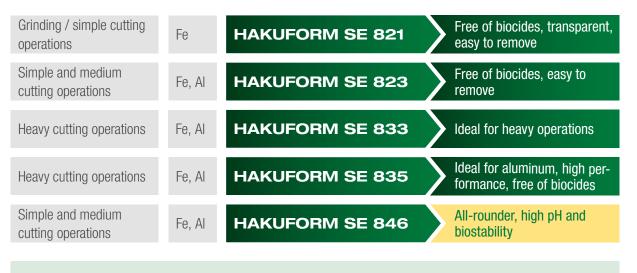
As always, our focus is on workplace safety! Through the use of aromatic-free base oils, the fluid is skinsafe with very little odor and minimal evaporation. These factors increase user safety and reduce your consumption!

**HAKUFORM SE** cooling lubricants also provide CO<sub>2</sub> savings! For the exact savings, based on NSF and IFEU institute data, we will gladly issue you with a certificate.

All products are free of labeling and are classified in water hazard class 1. All formulations are without the use of boron, FAD, DCHA, 2-Aminoethanol and Phenoxyethanol.



This is #SustainableMetalworking



Legend: Fe = Ferrous alloys, AI = Aluminum alloys