

**INDUSTRY
SOLUTIONS.**

**Agricultural
Solutions.**

CHT

**SMART CHEMISTRY
WITH CHARACTER.**

AGRICULTURAL CHEMICALS

**INNOVATIVE ADJUVANT
PRODUCTS**

AGRICULTURAL SOLUTIONS

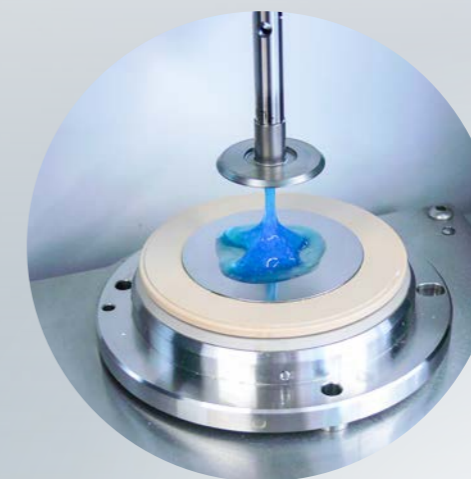
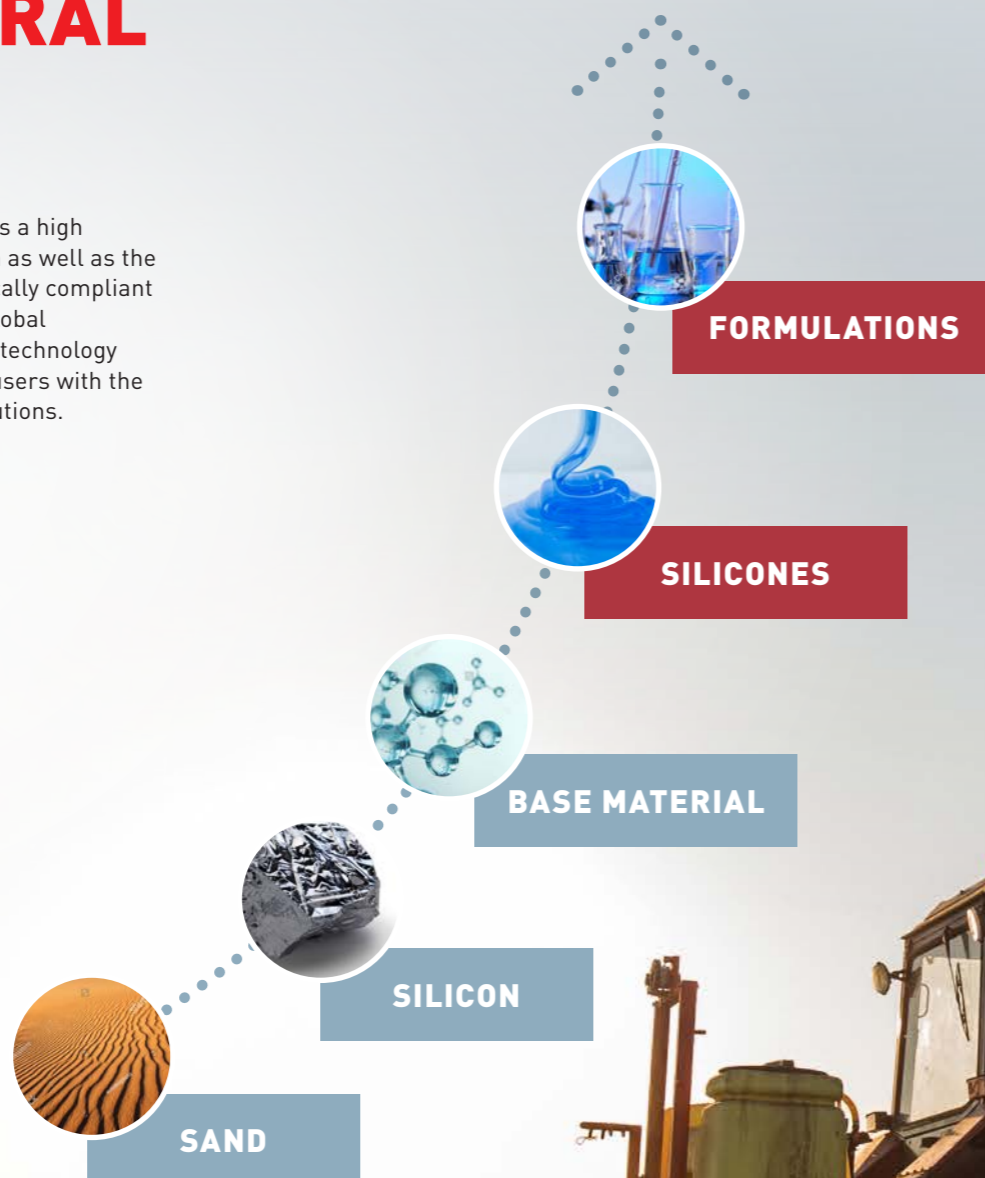
Today's modern farming practice expects a high performance from its chemical program as well as the need to be environmentally and ecologically compliant to best practice and regulation. CHT's global sustainability chemistry philosophy and technology provides today's agriculture chemicals users with the newest supplements and innovative solutions.

FORMULATION KNOW-HOW

- ▶ Six production sites worldwide
- ▶ International development team

SILICONE TECHNOLOGY

- ▶ Backwards integration
- ▶ Hydrosilylation & equilibration process



UNIVERSAL THICKENER

HANSA® T 750 is a modified **Xanthan Gum** suitable as thickener, suspension aid, and dispersant in aqueous formulations for the agricultural industry.

The rheological profile and special surface treatment provides the following product properties:

- ▶ Easy introduction into aqueous systems through controllable hydration
- ▶ Stable at low application concentrations
- ▶ High viscosity stability within a wide pH range
- ▶ Excellent electrolyte stability
- ▶ Compatible in a water and/or selected organic solvents with water-miscible, organic solvents
- ▶ Easy to pump due to a distinct pseudoplasticity

Application fields of our Agricultural Solutions:

- ▶ Plant protection / Fertilisation
- ▶ Optimized irrigation
- ▶ Cleaning and maintenance of irrigation systems



Polyether-modified trisiloxanes are super spreaders and can be used in various applications. The very low surface tension of this chemistry guarantees highest spreading & wetting performance.

Polyether siloxanes are not as efficient as trisiloxanes in terms of spreading behavior, however they show a better pH stability and are compatible in multiple formulations.

HANSA®OPTIMIZE

Superspreaders are trisiloxane-based adjuvants designed for the agriculture industry to improve efficiency of spray solutions.

PRODUCT OVERVIEW

Product	Chemistry	Surface tension	Active content	Description	Country availability
		0.10 %			
HANSA ADD 1050	Polyether modified trisiloxane	21 mN/m	100 %	Universal spreading agent	Worldwide
HANSA ADD 1055	Polyether modified trisiloxane	20 mN/m	100 %	Low foaming spreading agent	Worldwide
HANSA ADD 1060-RP	Polyether modified trisiloxane	20 mN/m	100 %	High performance spreading agent	Worldwide
HANSA AC 1461	Polyether modified trisiloxane solution in glycols	21 mN/m	40 %	Universal spreading agent compound for easy dilution	Colombia, Mexico
HANSA AC 1500	Polyether modified trisiloxane solution in glycols	21 mN/m	10 %	Cost-effective spreading agent compound	India
HANSA AC LSN	Polyether modified siloxane	30 mN/m	100 %	Levelling agent stable under acid and alkaline conditions	Worldwide
HANSA AC 2001	Cationic polyether siloxane	23 mN/m	100 %	Spreading & levelling agent stable under acid and alkaline conditions	Worldwide

CHT HANSA® antifoams are used as processing aid for the manufacturing and application of pesticide or fertilizer formulations.

PRODUCT OVERVIEW

Product	Chemistry	Active substance	Suitable for transparent formulations	Polarity	Country availability
HANSA AC 1085	Polyether modified siloxane	100 %	Yes	high	Worldwide
HANSA AC 5033 D	Polyether modified siloxane	100 %	Yes	high	Worldwide
HANSA AC 5070 D	Polyether modified siloxane	100 %	No	low	Worldwide
HANSA AC 5097	Polyether modified siloxane	100 %	Limited	low	Worldwide
HANSA AC 5610	Polyether modified siloxane	70 %	No	medium	Worldwide
HANSA AC 5705	Blend of siloxanes with fatty acid surfactants	10 %	Limited	high	Worldwide
HANSA AC 5755	Polyether modified siloxane	17 %	No	medium	Worldwide
JPA 15	PDMS powder	15 %	No	medium	North America
TC-3023	PDMS	30 %	No	low	North America

HANSA® XFOAM

Polysiloxanes are chemistry of choice preventing and destroying foam in agricultural formulations with high surfactant content.



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**Please contact us to discuss how
we can show you the benefits of
CHT Chemistry on your crops.**

**Technical Service
Agricultural Solutions**
+49 7071 154 202
agriculture@cht.com

www.cht.com