



# SENSENE™

## PRODUCT INFORMATION

### SENSENE™ OF MODIFIED ALCOHOL SOLVENT

SENSENE™ OF is cleaning solution for textile cleaning based on modified alcohols. It can be used for the universal application in the modern textile and leather cleaning industry.

SENSENE™ OF has been developed by SAFECEM, and distributed via a network of SAFECEM channel partners globally.

#### PROPERTIES

The SENSENE™ OF cleaning solvent has a very high solvency power with a KB value of 161. It combines excellent oil and fat-solubilization properties because of its lipophilic groups with the ability to dissolve polar materials through its hydrophilic groups.

SENSENE™ OF realizes an easy and smart process: textiles dry faster, and machine cycle times are shorter. In addition, the cleaning process needs less energy due to a good distillation behaviour, pre-spotting can be reduced, and the finishing is easier as the fabrics wrinkle less.

#### ABSTRACT FROM TEST REPORT

A test program on soil removal, greying and colour fastness in comparison with Hydrocarbon (HCS) and Perchloroethylene (PCE) has been conducted by CTTN.

#### SOIL REMOVAL

The dry-cleaning process using the solvent SENSENE™ OF shows a high cleaning effect generally above the PCE and HCE cleaning process.

#### GREYING EFFECT

The results are generally close to the results obtained with PCE. Compared to the results obtained with HCS, the greying effect using SENSENE™ OF is lower/ better.

#### COLOUR FASTNESS

The results between the three dry cleaning processes are strictly equivalent, showing a very good colour fastness in particular for the solvent SENSENE™ OF.

## APPLICATIONS

SENSENE™ OF is used as cleaning solvent in appropriate closed cleaning machines. The solvent is suitable for regular multi-solvent or hydrocarbon machines. SENSENE™ OF is an alternative to the common dry-cleaning solvents used in the cleaning industry such as hydrocarbon, silicone, chlorinated hydrocarbon and aqueous cleaning systems.

Please consult your machine manufacturer if your machine type has been certified for SENSENE™ OF.

## ENVIRONMENT, HEALTH AND SAFETY INFORMATION

SENSENE™ OF is based on a modified alcohol formulation which is inherently biodegradable and has low aquatic toxicity. Always follow all equipment manufacturers' instructions. Ensure solvent emissions are within the legally permitted range and waste residues are treated by an appropriate waste manager.

For more details, consult the MSDS (Material Safety Data Sheet) or ask for additional advice at SAFECHEM or your local distributor.

Chemical and physical properties			
Category	Modified Alcohol formulation	Auto-ignition temperature, °C	236
Appearance	colourless	Boiling point, °C (est.)	180
Odour	light	Lower explosion limit (g/m³)	38
Physical state	liquid	Upper explosion limit (Vol. %)	7.0
Kauri Butanol (KB) value	161	Relative density (water = 1)	0.839
Flash point, °C	≥58	Vapor Pressure, Pa (20 °C)	54
Water solubility, wt.% (20 °C)	0,5		

## CONTACT WATER TREATMENT

To increase process reliability and to reduce solvent consumption it is strongly recommended to make sure that a technical solution for contact water treatment is installed. The residual concentration of SENSENE™ OF in the contact water can be significantly reduced by treating the contact water with an electrolyte. For detailed information, please refer to the document "Increasing the efficiency of dry cleaning processes with SENSENE™ by contact water separation" and consult your machine agent.

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