

PAI-KOR *SACHE Line*

**Water based, NO-RINSE, NO-WASTE
Cleaning & Degreasing of metal surface**



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What is it?

The **SACHE Line** includes a **new water** based product range developed for cleaning & degreasing of metal surface.

It works in **ONE-STAGE** as it is a **NO-RINSE** process. In fact the **SACHE** products are free of conventional surfactants. Wetting energy reduction is given by a new system of volatile surfactants: the solid content of the **SACHE** product is zero.

The **SACHE Line** products, due to their low surface tension, clean by **displacing the oily contaminants** from the treated surfaces. The removed oily contaminants are not soluble in the product solution, so it is possible, using an oily skimmer, to **purify the recovered product** and re-use it again.



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How does it work?

The products of the **SACHE Line** range works by **dipping** or by **spraying**.

It is necessary to supply **strong mechanical energy** to the **SACHE** products: high temperature and strong pressure are required.

The **energy** used for this purpose is actually **saved**: the higher the temperature, the faster the drying off.

On dip application the use of **ultrasonic** could be necessary to supply the necessary mechanical energy.

The **SACHE Line** products can be used on **steel, aluminum, galvanized, cast iron, stainless steel**, etc, any time it is necessary to get EXCELLENT DEGREASING.



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Main features

- **one-step**
- **no rinse**
- **water based – no VOC**
- **excellent cleaning & degreasing power**
- **no waste water**
- **no metals**
- **no conventional surfactants**
- **no daily analysis**
- **environmental friendly**
- **user friendly (highly flexible and simple)**
- **large cost reduction in comparison with conventional systems**



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Industrial use

- **industrial washing machine (even for in-plant degreasing)**
- **steam cleaner / cleaning lance**
- **conventional degreasing tunnel (use only the 1st stage)**
- **manual cleaning (whipping with cloth)**



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The product range

- **SACHE 3 & 30**

supplied as ready to use for manual cleaning with cloth.

- **SACHE B/118**

Industrial cleaning, used @ 2 - 3 % in DI water

On steel, aluminium, galvanized, cast iron, etc.

- **SACHE B/264**

Industrial cleaning, used @ 2 - 3 % in DI water

On aluminium when uncoated or coated with transparent coating.

- **SACHE B/089**

Industrial cleaning, supplied as ready to use.

For hard & heavy dirty.

Rinsing is required.



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Economical advantages

- **one stage: reduction of space in the factory**
- **one stage: faster process and high productivity**
- **no cost for rinsing**
- **no cost for waste water disposing or treatment**
- **energy saving (the energy for heating is used for drying off)**
- **no analysis cost**
- **very low product concentration means low chemical consumption**
- **with a filter and an oil skimmer the life of the product is significantly extended**



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Environmental advantages

- **No aromatic or halogenated solvents**
- **No water pollution (no waste water)**
- **No VOC according to European Directive 1999/13/CE**
- **No metals (Zinc, Chrome)**
- **No solid sludge**
- **No CFC, HCFC, HAPS**
- **No NOx or SOx**
- **No material classified as environmental pollutant**

