

PURE**PERFORMANCE**

DST-DEGREEZ® · DERUST® · DST-PAS® · DST-DEBURR®



DST-CHEMICALS®
PURE PERFORMANCE

Pure Performance

An integrated concept based on careful preparation from investigation and solution to after-sales services. Our success depends on our customers' profits – that's why.



DEVELOPMENT – ORGANIC AND NATURAL

Chemists and engineers at DST-CHEMICALS' lab work hard every day to develop innovative products that work at low temperatures. Products which meet the challenges we face every day at our customers; challenges such as long bath lives and reduced energy consumption.

All products are being developed from the outside in: All products have been developed based on an actual challenge from a customer; we can also help meet your challenge.

ASSESSING REQUIREMENTS – ANALYTICALLY AND ENGAGING

DST-CHEMICALS helps optimise production flows. A thorough review of washing machine and the actual production process helps provide an overview. The customer clearly states the actual challenges as well as the result they want. Oil samples and components for the washing tests are taken to DST-CHEMICALS' Tech Center in Kolding.

TESTS AND ANALYSES – THOROUGH AND DETAILED

DST-CHEMICALS' Tech Center carries out separation tests of oils/emulsion plus washing tests. Oils are checked and analysed against DST-CHEMICALS' products to ensure that the proper product is chosen.

IMPLEMENTATION – CAREFULLY AND COMPLETELY

Machine cleaning and conversion are handled by experienced service technicians from DST-CHEMICALS. The service technician keeps up to date about developments at the customer throughout the test period to ensure that the result agreed is obtained and prove satisfactory to the customer.

SUCCESS – WILLPOWER AND QUALITY

The result agreed in advance is obtained. The staff is trained to use DST-CHEMICALS' products for subsequent dosage, bath control, etc. An agreement is made regarding conversion of additional machines and about regular service visits in future.

SERVICE – VERSATILITY AND FLEXIBILITY

DST-CHEMICALS' service technicians make the visits agreed to check the quality of purity, the condition of the bath and the entire washing process in general. If possible, the entire process will be assessed in collaboration with the customer. The service technician completes the service report and consults with the persons responsible for the washing machines.



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More than a product

There is no room for errors in a state-of-the-art industrial production process, and given the increasingly strong range of competitors, margins will often be the decisive factor.

DST-CHEMICALS' products have been developed based on specific customers' needs which means that all products are both relevant and required and, not least, tested when they reach the market.

The product technology from DST-CHEMICALS enables degreasing and parts cleaning from room temperatures. The research and development invested in the high-tech lab in Kolding ensure our customers the improved results which are so crucial.

Rasmus Petræus
Professional Triathlete



DEGREASING AND PARTS CLEANING

DST-CHEMICALS' DST-DEGREEZ® degreasers are a documented enviro-friendly concept for degreasing and cleaning all types of metal items from copper and brass to aluminium, steel and cast iron.

The products' pH varies from slightly acid, to neutral and slightly alkaline and work from 35°C.

The products are demulsifying which means that the oil is separated from the washing solution and can be removed from the bath using an oil skimmer. This improves bath life significantly and involves fewer stoppages and less waste water for disposal.



CORROSION PROTECTION

DST-CHEMICALS has various water-based agents to add corrosion protection to metal surfaces: DST-PAS®. The products differ in that they should be used for specific metal types, finishing and passivation requirements.

Correct corrosion protection of a given item depends on the cleanliness of the metal items before corrosion protection, the metal alloy used, humidity, etc.



RUST REMOVAL

The demand for detergents which are safe to work with is increasing. In order to meet the demand DST-CHEMICALS has introduced the incredibly efficient products under the DERUST® brand. DERUST® even removes stubborn rust quickly and efficiently.

At the same time products are 100% biodegradable, pH neutral and do not require labelling which means a definite departure of acid and pickling baths.



CLEANING AFTER THERMAL OR CHEMICAL DEBURRING

The DST-CHEMICALS® product range includes a series of cleaning products to be used after thermal or chemical deburring. The DST-DEBURR® products, replacing the well-known pickling baths, are pH neutral, readily biodegradable and do not irritate the skin.

The quality of the washed items increases significantly as the DST-DEBURR® process removes the oxide layer at once while providing a temporary corrosion protection as opposed to traditional pickling which causes rapid corrosion of the components.



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Product development based on consideration

In product development we keep a constant focus on developing the best products on the market in our field of work.

At the same time, it is crucial to us that we are able to protect both the working environment and our surroundings to the benefit of those who use our products every day and to the benefit of future generations.

DST-CHEMICALS' products have been tested as being:

- **Biodegradeable**
- **Not biologically accumulative**
- **Not irritating to skin**

DST-CHEMICALS works according to the REACH regulation. That means that the R and D department in all aspects pays attention to and keeps up-to-date with the problematic substances (SVHC) as specified on the REACH shortlist. Resultingly, these substances are not found in DST-CHEMICALS' products. Furthermore, the MSDS' are always updated according to the latest REACH regulation.

The facts that the products are biodegradeable and not accumulative mean that they do not harm the environment during use and that washing solutions can be disposed of safely.

All products from DST-CHEMICALS are water-based and do not contain any substances which are hazardous or problematic to the environment. At the same time they do not irritate the skin, which means that the employees can use the products safely without any working environmental problems, provided they observe the usual precautions, of course.



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We create the **future** together

Product development combined with a unique concept ensures clear benefits to the customers

Our customers are challenged every day as regards their ability to reduce delivery times and to deliver improved qualities while at the same time reducing energy consumption, CO₂ emissions and the load on the surrounding environment.

At DST-CHEMICALS, we focus intensely on being able to meet these challenges. One of the biggest competitive advantages to us is to be able to keep the company on the leading edge of developments in the industry.

This is why it is so important to stress that the Pure Performance concept benefits all. It ensures the customer confidence and peace of mind knowing that we have the right product that meets their challenge. When the product has been implemented, we still come to check that everything works according to plan. At the same time, existing customers are the first to benefit from the on-going research and development at the lab in Denmark. This means that we ensure the optimum solution together, thus creating the future.





Rasmus Petráus
Professional Triathlete



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About DST-CHEMICALS

Since its foundation in 1987, DST-CHEMICALS has been able to develop and produce innovative products in de-greasing, cleaning and surface treatment.

The company has been growing steadily ever since. Today, our products are exported to a large number of markets in Europe, Asia and North America. In 2011, DST-CHEMICALS set up a subsidiary in Bangalore in India and nearby markets. We also have subsidiaries in Sweden, Germany and France and a sales office in Poland. We also support various markets via carefully selected distributors who are working hard to expand the use of our efficient, cost-effective and enviro-friendly products.

DST-CHEMICALS® own the DST-DEGREEZ®, DERUST®, DST-PAS® and DST-DEBURR® brands which each represent their separate areas in surface treatment.

It is crucial to our business philosophy that the products we launch on the market provide our customers with the benefit that matters most to them.

That's why DST-CHEMICALS are making continuous, massive investments in our development department. The departments is a crucial and natural part of our concept and an all-important factor to us to stay ahead. The entire product development still takes place at our state-of-the-art lab at our headquarters in Kolding where the majority of the production also takes place.



Increased output, **reduced** **con-** **sumption**

FACTS

- Significantly lower energy consumption
- Process optimisation
- Longer bath lives
- Less waste water
- Reduced water consumption
- Reduced CO₂ emissions
- Clearly superior working environment



www.dstchemicals.com



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