

DUALENE™ 1601 S –

NEXT GENERATION MODIFIED ALCOHOL FOR PROCESS SAFE INDUSTRIAL PARTS CLEANING

THE INCREASING CHALLENGE OF ENSURING PROCESS STABILITY

The cleaning capabilities of modified alcohols in closed cleaning equipment have always been outstanding. To ensure successful cleaning with modified alcohols, process stability is key – a factor that is of increasing concern and growing importance. Outsourcing trends in the supply chain, or changing formulations of manufacturing oils, give rise to uncertainties around the origins and types of contaminations entering the cleaning machine, as well as sources of acids. This can pose a threat to the stability in the cleaning process.

DUALENE™ 1601 S – MODIFIED ALCOHOL FOR HIGH PRECISION CLEANING WITH BEST IN CLASS STABILITY



DUALENE™ 1601 S is the first pre-stabilized, pure and virgin-grade modified alcohol ever developed for a wide range of metal cleaning applications.

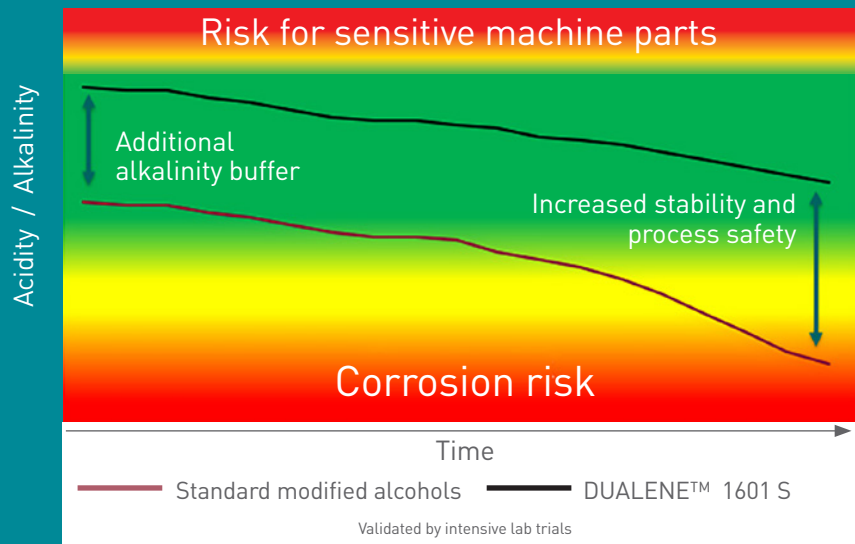
With a built-in alkalinity buffer, DUALENE™ 1601 S has the distinct ability to bolster process stability at the start of the cleaning process compared to other modified alcohols.

DUALENE™ 1601 S improves the process safety of all applications. It is especially recommended for demanding applications with high stability requirements, including when:

- Chlorinated oils are cleaned off. This helps prevent the formation of hydrochloric acids which could lead to corrosion of critical machine parts.
- High amount of particles are present, primarily aluminium, iron, copper, zinc. The particles of such reactive metals can increase the formation of acids in the machine.
- Unknown contaminations are cleaned off (e.g. contract cleaning).

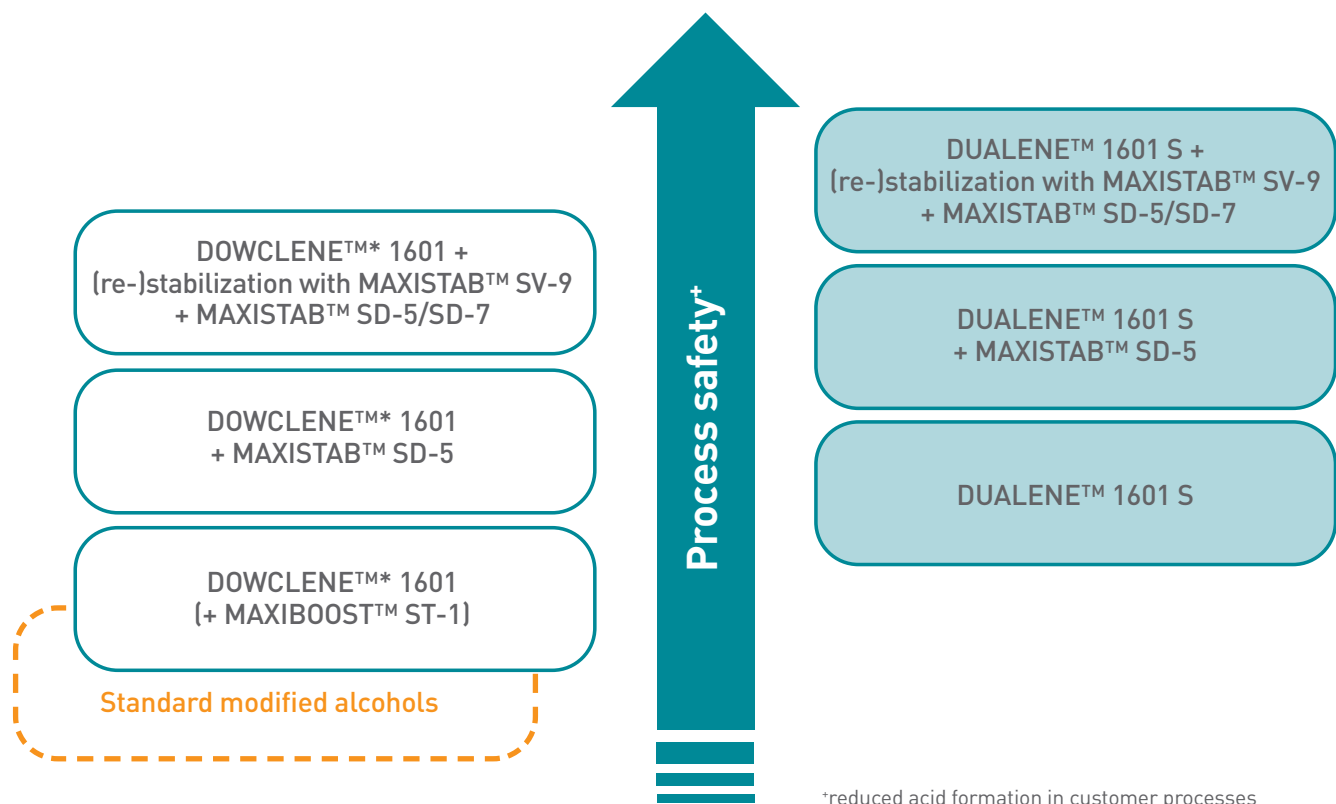
Due to its polar and non-polar properties, DUALENE™ 1601 S can clean off lubricant greases, polar oil additives, corrosion inhibitors, just as effectively as moist emulsion residues.

The alkalinity buffer in DUALENE™ 1601 S reduces acid formation, thereby maximizing machine lifespan and solvent bath lifetime. The inherent alkalinity of DUALENE™ 1601 S readily ensures the start of the cleaning process in a sufficiently high pH environment that safeguards machine equipment. The alkalinity also enables cleaning in a safe pH range for an extended period with a reduced need for stabilizers.



PROCESS SAFE STABILIZATION WITH THE MAXISTAB™ S-SERIES

Used in combination with the MAXISTAB™ S-Series, DUALENE™ 1601 S ensures a consistently high process stability throughout the entire solvent lifespan even for the most challenging applications.



Thanks to its built-in alkalinity buffer DUALENE™ 1601 S readily ensures a very high level of process stability at the start of any cleaning application. With our state-of-the-art stabilizer technology the MAXISTAB™ S-Series, the stability level can be bolstered even further to reinforce process safety for the most demanding precision cleaning requirements.

DUALENE™ 1601 S – THE ADVANTAGES



Outstanding cleaning results

- Cleaning results comparable with DOWCLENETM* 1601



Increased process stability

- Working in ideal pH range from the beginning, precautionary in potential challenging cases



Improved process safety

- Cleaning of chlorinated oils with extra safety due to pre-added alkalinity



Safeguard for cleaning machine

- Extended lifetime of and proven compatibility with gaskets and critical machine parts

EXTRA COST BENEFITS FOR YOUR METAL CLEANING PROCESS

The extra process stability warranted by DUALENE™ 1601 S delivers additional cost benefits including:

- Extended bath lifetime resulting in lower solvent consumption
- Better protection of sensitive/critical machine parts (less parts replacement costs)
- Less machine downtimes and hence less maintenance costs
- Lower waste volumes and waste management cost
- Less consumption of stabilizers

COMPLEMENTARY SERVICE OFFERINGS TO DUALENE™ 1601 S

- Delivery in the SAFE-TAINER™ System ensures safe handling, storage and transport of the solvent. The system enables a safer supply of fresh solvent, and simplifies the return of used solvent for recycling – closing the resource loop and contributing to a circular economy.
- MAXICHECK™ DCL-1S test kit for easy on-site solvent monitoring
- CHEMAWARE™ Lab Services – oil compatibility tests, solvent analyses and special analyses



PIONEER OF MODIFIED ALCOHOLS

As a pioneer of modified alcohols with over 25 years of experience, SAFECHEM has been incessant in developing innovative cleaning solutions that push the boundaries of modified alcohols. Our breakthrough MAXISTAB™ S-Series stabilizers, introduced in 2017, makes even the cleaning of highly chlorinated oils with modified alcohols possible for the first time in the market.

No matter your requirements, we can help you identify the cleaning solution most suited to your needs. Contact us:

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