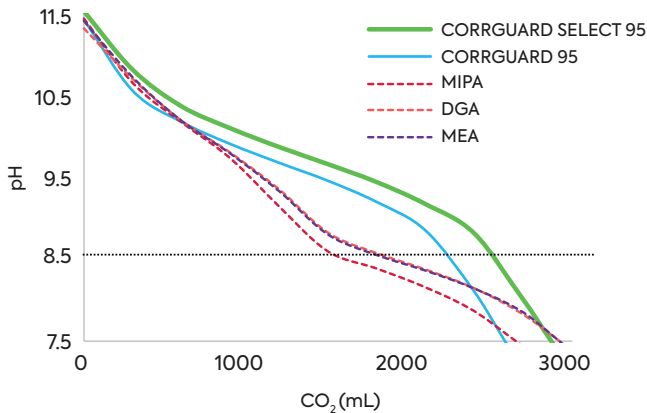




## High-efficiency pH buffering and neutralization

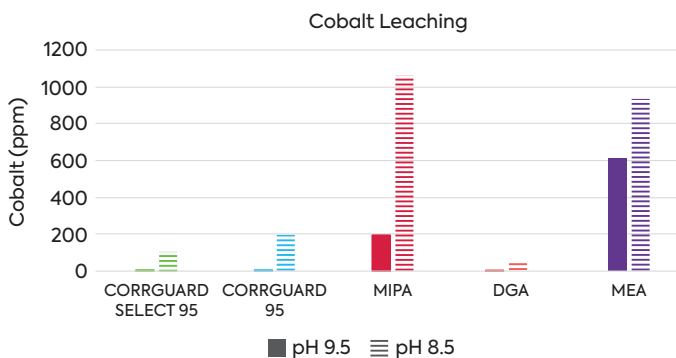
Fig. 2: pH buffering demand curve of 0.1M amino alcohols in deionized water titrated with 30 mL/min carbon dioxide flow.



CORRGUARD SELECT shows improved in-use pH buffering capacity compared to CORRGUARD 95 and other amino alcohols. This functionality enables formulators to effectively improve the stability of fluid formulations while optimizing the use of amines to reduce overall formulation costs.

## Outstanding carbide tool compatibility

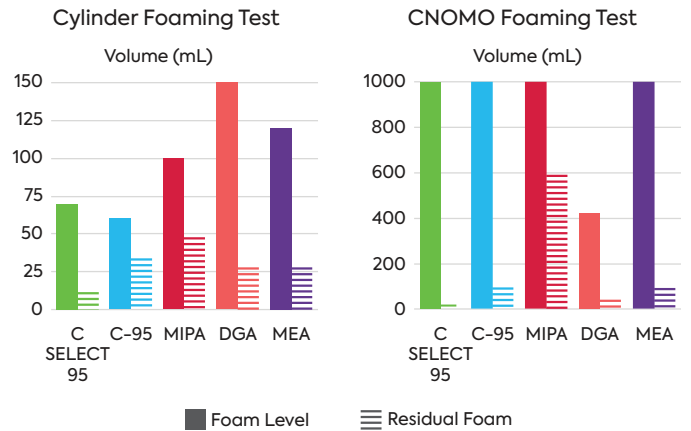
Fig. 4: Comparison of cobalt leaching analysis for CORRGUARD SELECT 95, CORRGUARD 95 and other amino alcohols.



CORRGUARD SELECT has outstanding cobalt leaching performance in the pH range of typical metalworking fluids. This helps protect the carbide tooling by extending tool life and reducing downtime.

## Excellent foam control

Fig. 3: Cylinder and CNOMO foaming test of semi-synthetic metalworking fluids formulated with CORRGUARD SELECT 95 versus CORRGUARD 95 and other amino alcohols.



CORRGUARD SELECT provides enhanced foam control in the semi-synthetic fluids. The results show CORRGUARD SELECT has the lowest residual foam from both cylinder and CNOMO foaming test. This provides benefits of better cooling efficiency, enhanced machining precision, improved surface finish and helps improve emulsion stability and extend fluid life for overall cost savings.

## Product registration status

- REACH registered 1 – 10 MT, registration for higher volume bands in progress
- Registered in China <10 MT, registration for >10 MT in progress
- USA EPA PMN and Canada NSN registration in progress and targeted for completion in 2025
- Registrations for other key geographies in progress; other use-related regulatory registrations will be initiated based on market demand (e.g., FDA FCN, BgVV, Swiss Ordinance, etc.)

CORRGUARD SELECT is commercially available for sampling, evaluation and commercial sale in different concentrations, including CORRGUARD™ SELECT 95 (5% water), CORRGUARD™ SELECT 90 (10% water), CORRGUARD™ SELECT LSA 6000 (5% water, low secondary amine) and CORRGUARD™ SELECT LSA 7000 (10% water, low secondary amine).

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