Metal Packaging Solutions
Henkel is the world leader in the supply of products, services and technical expertise for the food and beverage container industry. With a proven track record of delivering new and innovative technologies to keep pace with the can makers’ changing requirements, Henkel offers full frontend solutions for two-piece aluminum and tin-plate steel cans. Products include:

- Post lubricants
- Cupper lubricants
- Bodymaker coolants
- Cleaners
- Conversion coatings
- Mobility enhancers

These products help meet demands for environmentally sustainable products, increased line speeds, reduced maintenance and longer tool life. Additionally, Henkel offers a complete range of process control equipment to ensure reliable and efficient consumption of chemicals.

Combined with our broad portfolio of innovative chemistries, equipment solutions and unmatched technical support, Henkel provides the total solution to optimize the process and maximize success. Our technical service representatives provide hands-on help to ensure our customers’ needs are met wherever they are in the world.

With more than 47,000 employees, including 3,000 chemists and engineers, Henkel continues to expand its diversified range of products and services. Facilities in over 80 countries help ensure that Henkel remains a worldwide market leader.
Metal Can Value Chain

Henkel offers a variety of solutions throughout the metal packaging value chain. Henkel’s lubricants paired with the company’s washer technologies offer the metal packaging industry unique solutions capable of reducing overall process costs and adding value to our customers’ production.

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Henkel offers front-end solutions for aluminum beverage cans. When Henkel’s lubricants are paired with the company’s washer technologies, the outcome forms a unique package for the can making industry.

### Features and Benefits

- Excellent corrosion protection
- Maximum bleedthrough protection
- Excellent cleanability and interior brightness

### Post Lubricants

Henkel offers a complete lubricant package, beginning with BONDERITE post lubricants which are electrostatically applied to aluminum can stock. Our formulations are designed for specific resistance requirements and coil storage conditions. The post lubricants Henkel supplies are designed to provide additional lubricity to the can-forming process, improving can concentricity, reducing tear-off and improving the cosmetic appearance of the finished cans.

BONDERITE L-FM 9310 and BONDERITE L-FM 8410 post lubricants are key parts of Henkel’s integrated lubricant program and have been developed around the successful BONDERITE cupper lubricants. BONDERITE L-FM 9310 and BONDERITE L-FM 8410 Post Lubricants enhance cupper lubricant performance for greater latitude in cup/can forming, extended tool life and reduced bleedthrough on finished cans.

### Cupper Lubricants

Henkel’s BONDERITE cupper lubricants are designed to handle a wide range of cupping requirements while ensuring excellent can interior cleanliness, long tool life and increased productivity.

Henkel’s cupper lubricants are at the core of Henkel’s total lubrication package, including the newest product additions in the form of BONDERITE L-FM SNL series cup lubricants.
**Bodymaker Coolants**

Henkel offers a wide portfolio of biostable bodymaker coolants with a range of different polymer levels to help tramp control, fine-tuned to fit each individual plant’s requirements and all offering superior lubricity and corrosion protection at low concentrations.

Henkel’s latest bodymaker coolant range, the BONDERITE L-FM 400 series, has been formulated with an enhanced biostatic package. This eliminates the requirement for routine additions of biocides and is proven to improve coolant control, enhance performance and improve worker conditions.

**Features and Benefits**

- Biostable formulas to reduce or eliminate tank-side additions
- Proven lubricity and detergency package
- Improved coolant control
- Low accumulation of system sludge
Mobility Enhancers

Henkel’s BONDERITE mobility enhancer technologies are uniquely formulated to provide excellent can mobility and water drainage. They offer environmental benefits by saving energy, with a shorter dry time at lower oven temperatures.

Henkel’s newest product, BONDERITE M-PT ME-77 mobility enhancer, is designed to improve the flow of formed cans through the high speed printers. It also accelerates the drainage of water from cans, which decreases the quantity of water carried into the oven. As a result, less energy is needed to dry the cans, and oven temperatures can be reduced.

Features and Benefits

- Reduced energy consumption
- Shorter dry time
- Lower oven temperature
Conversion Coatings

Henkel’s inorganic conversion coatings chemically bond to the surface to provide protection against corrosion and staining during pasteurization and retort, and also improve adhesion of can coatings.

Cleaners

Over the last two years Henkel has implemented the latest in cleaner technology, the BONDERITE C-IC 700 series of environmentally sustainable, acid cleaners. These are designed with highly efficient cleaning surfactants and a unique brightener technology to help reduce the requirement for fluoride encountered in conventional cleaners.

In addition to this development, Henkel is also now able to offer a fully fluoride-free cleaning technology. BONDERITE C-IC 90174 in combination with the accelerator BONDERITE C-IC 62174 will enable our customers to completely avoid the need to store highly toxic and corrosive fluorides at their sites. In addition this will dramatically reduce the requirement to remove fluorides from the waste stream. The environmental benefits are obvious and are a clear reflection of the targets for development within Henkel.

Features and Benefits

- Free-rinsing for water conservation and reduced washer maintenance
- APE-free and fully biodegradable
- Compliant with REACH and EU detergent regulations
Tin-Plate Steel Cans

Henkel offers a full range of product solutions for tin-plate cans, including lubricants, cleaners and conversion coatings.

**Steel Lubricants**

Henkel offers synthetic copper lubricants and bodymaker coolants for forming tin-plated steel food and beverage cans. These products are designed to disperse tin and steel fines, while minimizing build-up on tooling, to give a superior can surface finish.

The BONDERITE L-FM series provides superior lubricity and tooling protection, ensuring low tear-off rates, excellent can stripping and improved tool usage.

**Cleaners**

Henkel’s washer products for tin-plate steel cans clean the surface of organic lubricant soils and emulsified tramp oil. They are available in silicate- and phosphate-free formulations.

**Conversion Coatings**

Henkel is a global leader in surface technologies. Our conversion coatings for tin-plate steel cans provide optimum corrosion protection, reduced metal exposure, improved coating adhesion and protection against flash rusting.
These custom equipment solutions, combined with our global technical support, will keep your operations running smoothly.
Sustainability

Henkel is founded on a deep commitment to deliver services and chemical products that consistently exceed customer expectations, while encompassing product safety and ecological compatibility.

These guiding principles of Henkel inspire long-term customer relationships based on reliability, credibility and mutual trust. Henkel continuously develops innovative products and technologies that offer customer benefits in environmental and health protection, as well as economic and efficiency advantages.

Henkel’s metal packaging product development strategy is focused on green solutions to keep pace with the changing requirements of can manufacturers, including the drive toward more environmentally sustainable products. This is why Henkel is dedicated to providing the industry environmentally safe lubricants, cleaners, superior mobility enhancers and conversion coating options.