

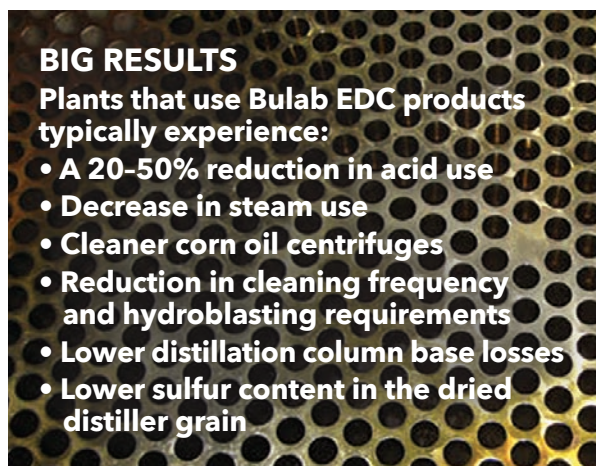
Watch the
savings build up,
not the scale.

Control deposits in your evaporators and improve heat transfer with Bulab[®] Evaporator Deposit Control products.

Hard scales and organic deposits in evaporators and heat exchangers can require excessive acid and steam use and frequent, costly maintenance. That's why Buckman developed a series of evaporator deposit control (EDC) products. Buckman's proprietary blend of inhibitors and dispersants effectively prevents mineral scaling and reduces organic fouling in the process, so you can scale back on acid use, cleaning frequency and all the related costs.

It's simple: clean less, save more.

Every deposit you keep off your equipment surfaces is savings you can put on your bottom line. Bulab[®] EDC products can save your facility thousands—even hundreds of thousands—of dollars every year. It's the kind of return on investment Buckman customers have come to expect from the world leader in deposit control.



BIG RESULTS

Plants that use Bulab EDC products typically experience:

- A 20–50% reduction in acid use
- Decrease in steam use
- Cleaner corn oil centrifuges
- Reduction in cleaning frequency and hydroblasting requirements
- Lower distillation column base losses
- Lower sulfur content in the dried distiller grain

Easy to apply

Depending upon where your deposition issues are most severe, Buckman EDC products can be fed into the thin stillage line or further back in the process. The rate of product addition can be easily controlled

using existing process flowmeters and programmable metering pump. Buckman will help determine just the right feed location and application rate for your operation. And because it's a simple system, startup costs are low.

Regulatory status

The components in Bulab EDC products are FDA-allowed for use as deposit control agents to prevent deposition in evaporators and other processing equipment when used according to instructions.

Learn more

Ready to see savings on a big scale? Control deposits in your process equipment with Bulab EDC products. For more information, contact your Buckman representative, or visit us at buckman.com.

CASE STUDY

An ethanol plant making 115 million gallons per year was consuming 1.75 truckloads of acid per week. Buckman incorporated Bulab EDC products into the system and monitored steam and ethanol vapor pressures carefully.

The results were dramatic. Acid usage was reduced by 42%, resulting in 0.75 fewer truckloads per week. Steam use was curtailed. The plant required fewer CIP and acid washes, and hydroblasting time was reduced.

As a result, safety was enhanced, maintenance was minimized, and production was increased. Total cost savings was more than \$450,000 per year.

BuckmanTM
Chemistry, connected.

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Seller warrants that this product conforms to its chemical description and is reasonably fit for the purpose referred to in the directions for use when used in accordance with the directions under normal conditions. Buyer assumes the risk of any use contrary to such directions. Seller makes no other warranty or representation of any kind, express or implied, concerning the product, including **NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS OF THE GOODS FOR ANY OTHER PARTICULAR PURPOSE**. No such warranties shall be implied by law and no agent of seller is authorized to alter this warranty in any way except in writing with a specific reference to this warranty. W848H (05/18)

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