

CHEMICAL IP

CHEMISTRY / SYSTEMS / SCALE

CORE PRODUCT CATEGORIES / PRODUCT PLATFORM

CrystalGuard™

Wax & organic deposits

Control organic crystal formation and deposition in a defined product or process.

APPLICATION • PROOF • COMMERCIAL SCALE



01 / 04



CRYSTALGUARD™ / 01

Where the platform fits

Control organic crystal formation and deposition in a defined product or process.

ENERGY

Explore wax, paraffin and organic-deposit management in production and transport.

FORMULATION

Develop crystal-control concepts for selected wax-based specialty products.

PROCESS

Adapt chemistry to temperature cycling, composition and residence time.

CONNECTED SYSTEM

Chemical IP R&D, OFI supply and Kane engineering can be combined when the process requires more than a product.

Select the treatment around the customer stream, objective and operating constraints.



CRYSTALGUARD™ / 02

Prove the operating value

Application-specific tests connect a technical response to a customer decision.

CHARACTERIZE

Determine wax appearance, composition and deposit behavior.

SCREEN

Compare pour point, deposition, viscosity and stability response.

PILOT

Track plugging, cleaning or product-texture metrics in use.

VALUE METRIC

Lower deposit burden or improved product quality in the selected application.

Bench and field results define the commercial claim for this application.



CRYSTALGUARD™ / 03

From trial to program

Qualified chemistry becomes a repeatable supply and service arrangement.

QUALIFY

Agree on the specification, sampling plan and acceptance criteria.

ENGINEER

Select product form, production route, equipment and safe operating envelope.

SUPPLY

Choose bulk, toll, private label or regional manufacture as volume supports.

IMPROVE

Connect batch quality, dose and field data to an ongoing technical review.

A representative sample and a measurable target are the best starting point.