

PLM That Runs on the Whole Recipe

Manage the product lifecycle on the formulation and the process that makes it, from first experiment to commercial launch, through every reformulation, cost-down and market variant that follows. Deployed across chemicals and coatings, adhesives, food and beverage, and personal care.

Uncountable's AI end-to-end platform is deployed by 175+ teams globally



Your PLM has the formula. The plant has the recipe.

Traditional PLM stores an approved formula. How it is actually made lives in a spreadsheet or a binder beside it: sub-recipes, order of addition, mixing and cure conditions. So one base formula becomes ten SKUs nobody can version, a single ingredient swap takes weeks to reach every spec it touches, and the document on the line may not be the one that was approved.

46%

shorter formula reviews

Behr Paint Company

800

People onboarded in <10 months

Clariant

"Whether they're working in China or Mexico, they should be able to maintain global material connectivity while making plant-specific adjustments."

Benoît Beaubreuil, Material Data Engineer, Cooper Standard

Modules across the lifecycle

DEFINE

01

Formulations
Bill of materials
Specs & documents

CONTROL

02

Change control
Where-used
Stage gates

PUBLISH

03

ERP publication
ESG attributes
Regulatory attributes

How it works in practice



Stage-gate approvals in one system

Reviewers approve each phase before the project moves on.



The recipe and how it is made

Order of addition, mixing and cure conditions held with the formulation, not beside it.



One versioned source of truth

R&D, quality, and manufacturing all work from the same record.



One change filters all the way down

Change control runs an impact assessment and routes multi-level approval.

What happens to a formulation after approval

One record, followed from sign-off through every change that comes after.


Favorites
Dashboard
Projects
Experiments
Inputs / Outputs
Lab
Files
Visualize
Calculate
Design

Coatings & Paints
AquaShield 200 · rev 14
 Dana Whitmore

AquaShield 200 — Bill of Materials

rev 14 · Formulation-driven · Synthetic demo data

INGREDIENT	STAGE	WT %	\$/kg	COST (\$/kg)
Water	Prethin	24.4	0.01	\$0.00
Thickener 1 (sub-recipe)	Prethin	0.3	0.64	\$0.00
Dispersant 1	Prethin	0.8	3.50	\$0.03
Titanium Dioxide (rutile)	Grind	21.4	3.35	\$0.72
Mineral Oil Defoamer	Grind	0.2	2.50	\$0.00
Calcined Clay (Extender)	Grind	5.8	0.35	\$0.02
Acrylic Binder	Thindown	40.8	2.30	\$0.94
Coalescent (Ester Alcohol)	Thindown	2.1	4.00	\$0.09
Defoamer 1 (sub-recipe)	Thindown	0.1	1.80	\$0.00
Biocide (in-Can Preservative)	Filling	0.1	7.00	\$0.01
Rheology Modifier (HEUR)	Filling	0.9	8.00	\$0.07
Amino Methyl Propanol (pH Adjuster)	Filling	0.2	3.20	\$0.01
Acrylic Resin	Filling	2.9	3.60	\$0.10
Rolled-up cost per kg				\$1.99

Total mass 103 g · cost is calculated from the recipe and unit costs, not a hand-keyed parts list.

A flat ingredient list gives you cost and total percentages, which is what costing and regulatory declarations need. It cannot tell an operator how to make the product, or tell change control which sub-recipe a substituted ingredient sits in.

- ✓ Approved formulation enters PLM as a controlled spec
- ✓ It advances through defined stage gates with reviewer sign-off
- ✓ Where-used shows every product that change affects
- ✓ It carries its bill of materials, documents, and approvals
- ✓ An ingredient change triggers an impact assessment
- ✓ Once cleared, it reaches QC specs and manufacturing together

What Sets Uncountable Apart for PLM

Built for formulations, not assemblies

Quantities are proportions that have to balance, not parts you count.

The development layer

Traditional PLM captures version history. We also capture how each version was developed.

Adopt it without replacing your LIMS

A one-time load of active product data plus targeted integration is often enough.

Regulatory data travels with it

REACH, CLP and GHS attributes sit on the formulation, not in a separate file.

Your product is a recipe. Your system of record should be too



See it on your own product record

Bring one formulation and its change history. uncountable.com/contact-us

