



SAGE PFW

FORMULAS

■ **STREAMLINE INTEGRATION**

Take control of your most valuable assets—formulas! Sage PFW seamlessly integrates aspects of your business operations to eliminate redundant data entry and automate your workflow.

■ **ENHANCED DATA ACCURACY**

Meet and exceed the needs of your business by providing fast and dependable formula management that provides reliable and accurate information.

■ **POWERFUL FLEXIBILITY**

Gain a competitive advantage! Extensive formula capabilities empower your technicians with the tools they need to cost-effectively manage formulations.

■ **COMPREHENSIVE REVISION TRACKING**

Improve efficiency and eliminate costly mistakes utilizing automatic revision tracking and formula roll-back functionality.

■ **INSIGHTFUL REPORTS**

Transform your data with extensive, instant reporting capabilities that provide the insight you need for more strategic formula management.

■ **SECURE BUSINESS INTEGRITY**

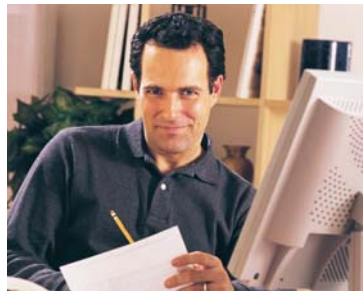
Safe, secure, and controlled formula management is a must! Protect the most sensitive information in your business. Sage PFW Formulas module assures complete security at user, menu, and company levels, protecting your formulations data from unauthorized and even authorized access or manipulation.

Type	Item Key	Item	Loc	Qty	Reqd/Std	Unit	Cost/Std	Ext. Cost	Loss
1	IRON DODE	IRON DODE	SLBCH	125.000	LB	0.98	121.88	0	
2	TALC	SILVER LAKE TALC	SLBCH	12.500	LB	0.21	2.60	0	
3	BARYTES	BARYTES 200R	SLBCH	25.000	LB	0.18	4.50	0	
4	ALUMINUM STEARATE	ALUMINUM STEARATE	SLBCH	1.000	LB	0.88	0.88	0	
5	SOYAL LECTIN	SOYAL LECTIN	SLBCH	1.00	PINTS	0.64	0.64	0	
6	SYNTEX 143	SYNTEX 143	SLBCH	38.000	GAL	4.00	152.00	0	
7	NAPHTHA	VMP NAPHTHA	SLBCH	19.830	GAL	1.51	29.74	0	
8	RESINANT	RESIN RESINOSE INTER	SLBCH	10.000	LB	0.64	6.43	0	
9		Grind above in steel ball mill 12-16 hrs. Add the following:							
10									
11	SYNTEX 143	SYNTEX 143	SLBCH	37.000	GAL	4.00	148.00	0	
12	MANGANESE NAPHTHENATE 4%	MANGANESE NAPHTHENATE 4%	SLBCH	1.00	PINTS	2.09	2.09	0	
13	COBALT NAPHTHENATE 06%	COBALT NAPHTHENATE 06%	SLBCH	1.00	PINTS	0.44	0.44	0	
14	ASA	ANTI-SKINNING AGENT	SLBCH	0.900	GAL	28.19	25.38	0	
15									
16		Drain and rinse with the following:							
17									
18	NAPHTHA	VMP NAPHTHA	SLBCH	0.900	GAL	1.51	0.76	0	
19									
20	SEM LABOR HOUR	STEEL BALL MILL LABOR HOUR #14		2.000	FDOP	0.00	0.00	0	
21	WALLPOL 40136	WALLPOL 40136	RMLDC	2.000	LB	0.42	0.84	0	
22	NATROSOL 250SR 60%	NATROSOL 250SR 60%	RMLDC	1.000	LB	0.05	0.05	0	
23	TAMOL 731 25%	TAMOL 731 25%	RMLDC	1.000	LB	0.60	0.60	0	
24	INITIALS	BE SURE TO FILL IN YOUR INITIALS AFTER EACH DRAW AND RINSE.							
25									
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The ability to accurately manage, maintain and protect your formulations is imperative in today's highly competitive process manufacturing industry. The Sage PFW Formulas module simplifies and streamlines the complex and often costly process of formulation management. Empower your R&D staff with tight formula configuration control to reap the benefits of introducing new and modified products quickly. Tight integration will keep your planning and scheduling department up-to-date with the right quantity of resources at the right time and provide finance with the most accurate cost information. Make smarter, more proactive decisions—the powerful and precise capabilities of Sage PFW ERP put you in control of your formula management.

The Formulas module gives you the speed, power and reliability of computerized formulation! It reduces the man hours spent on tedious, error-prone calculations, and delivers a wealth of useful information quickly and accurately. This gives you the time and the data required to focus your efforts on the more creative aspects of product development. You can change an ingredient, quantities, and units of measure in just a matter of minutes. In addition, interactive analysis tools allow you to view and compare properties of two formulas side-by-side. Track all aspects of your formulas including materials, quantities, units of measure, specifications, manufacturing instructions, quality control tests and target values, revision history, and much more. Sage PFW puts you in control so you can satisfy your unique business requirements now and easily adapt to changes in the future.

Sage PFW is developed to meet the needs of your business, providing fast, dependable, customizable formula management and data security. Unlike the majority of manufacturing software, Windows-based Sage PFW is the only software of its kind that was developed specifically to address the unique challenges of process manufacturing. Its complete solution of powerful financial and process manufacturing modules provide specifically targeted capabilities to boost production, maximize profits, and increase efficiency in your supply chain. For more information about Sage PFW and to reach a higher level of performance and profitability, please contact your local business partner, or call us directly toll free at 888-473-5135 or contact us via e-mail at sagepfwinfo@sage.com. You may also visit our Web site at: www.sagesoftware.com



Sage PFW

Formulas

"Sage PFW is the workhorse for our daily operations. All of our formulations are now done on computer. This saves an enormous amount of time, and provides a more accurate product for customers."

Mike Grivna, Senior Chemist
Sierra Corporation

FEATURES

Streamlined Integration

As the heart of your manufacturing system, Formulas will be used by almost every Sage PFW module, including Inventory, Production, Costing, Laboratory, MSDS/Compliance, Labeling and MRP. Capitalize on the ability to work within a central database, sharing uniform, consistent and secure information without double entry or duplicate efforts. Formulas and all associated information can be easily accessed throughout Sage PFW. The smooth and accurate flow of data through Sage PFW ensures that you have complete control over the pulse of your business.

Enhanced Data Accuracy

Formulate strategic business decisions based on insight from accurate formula and costing numbers. Store, retrieve and revise every formula that you use in your business, and classify them to your specifications. A formula in Sage PFW consists of a list of ingredients and their associated quantities, along with manufacturing instructions, quality control test requirements and other details about the formula such as its description, class, status, and the date and reason for its last revision. In addition, each formula tracks complete costing information, including the cost of materials plus fixed and variable labor and overhead costs to produce the formula in any size batch. You may also designate each formula as active, experimental, obsolete, so you can control when it is rolled into production. From the essential details to the big picture, this module has been designed to promote accurate data entry and formula management.

Powerful Flexibility

Save time and resources with complete control over your formulations and automated tasks. You can express each ingredient quantity in any unit of measure that you define and Sage PFW will convert them for you. In addition, you can automatically scale a formula to any weight or volume you desire. Then use the Sage PFW Production module to automatically size the formula to match the quantity of a customer order, or any percentage of the master formula, or to the limit of available materials, or the availability of any one material. The Formulas module also provides extended functionality for used materials and material substitution. You can automatically substitute one ingredient for another when a third ingredient is also present, and use a different amount than the original. If the change affects the master batch size, you can automatically re-scale it back to its original weight or volume, or adjust a specific ingredient. This built-in flexibility equals maximum functionality and you'll quickly realize the benefit in your bottom line.

Comprehensive Revision Tracking

Robust and versatile revision tracking will improve your analytic capabilities and drive better formulation decisions. Automatically maintain an archive of each version of every formula you have entered. Each time you change an ingredient or quantity Sage PFW records it, so you can access a list of changes made to a particular formula at any time. You can compare prior versions with the current version of a formula, print hard copies of past versions, or even make a past version current. Authorized formulators can also easily undo changes to master formulas with the "revert to prior version" feature. Since old versions of formulas are kept separate from current master formula data files, it's virtually impossible to confuse them. These powerful capabilities take the guesswork out of formulation management—providing your organization with a significant competitive advantage.

Insightful Reports

Sophisticated, customizable reporting transforms your data into strategic, decision-making tools that will help you more effectively manage your formulations. The Formulas module provides extensive "where-used" information that lists every formula that uses a particular material and the material's relative quantity. If you have formulas within formulas (intermediates), Sage PFW can display or print a "family tree" showing all of the components of the formula at every level. Sage PFW utilizes one of the most powerful reporting tools on the market—Business Objects™ Crystal Reports®. You receive the abilities to export data in more than 20 formats, quickly send reports via e-mail, and perform snap customizations. Accurate, powerful and reliable—everything you need your formulations software to be and more.

Secure Business Integrity

Sophisticated, multi-level security protects your proprietary data from unauthorized access or manipulation. Powerful security options allow you to control which groups have access to your sensitive data. Additionally, you can create and assign an unlimited number of user IDs and passwords. You can even utilize our formula approval process to protect your formulations from unauthorized access and manipulation. Approved formulas can not be manipulated or updated and Unapproved formulas can not be used in production or other areas. These and other user-defined safeguards, such as easy to follow audit trails that identify who made each change by date and time provide a high level of security for your highly sensitive formulation data. With Sage PFW you can rest assured knowing your data remains protected and private.