GreenData Manager® Workgroup Edition

Environmental Compliance Data Collection and Management Tool For RoHS-2, REACH SVHC, and Other Regulations

The Challenge: Compliance with RoHS-2, REACH SVHC and more

Complying with global chemical regulations and directives like RoHS-2 and REACH SVHC is difficult. Regulations evolve, customers have unique reporting requirements, and collecting and updating information is not easy.

The best way to manage compliance is to collect full material disclosure data (FMD) for all components from suppliers. But how do you manage the data? How do you use the data to prove compliance? And how do you share that information across the enterprise?

The Solution: GreenData Manager

GreenData Manager Workgroup Edition is a powerful client-server application tailored for medium to large enterprises.

- ✓ Manage the collection and storage of compliance data and documents
- ✓ Perform compliance validation and substance analysis for 22 built-in regulations like EU RoHS-2, China RoHS, REACH SVHC, CA Prop 65, Halogen Free and many more, or build your own rules
- ✓ Generate compliance reports and full disclosure reports at the product/BOM and company level
- ✓ Install at your facility behind company firewall so data/BOMs security are protected
- ✓ Import compliance data automatically and import BOMs from ERP/PLM software programs automatically (optional)

Get started with a FREE Risk Analysis & BOM Scrub! +1-323-254-5961 ♦ info@greensofttech.com

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GreenData Manager Workgroup Edition Benefits

GreenData Manager (GDM) Workgroup Edition is an inexpensive comprehensive solution for global regulation compliance and product full disclosure of chemical substances in one easy-to-use package.

The software can be tailored to fit your company needs such as easily integrating with common PLM or ERP systems. The centralized component database for chemical substance data can be accessed by multiple users in the same network. You also have the option to expand the workgroup access globally with Internet users.

Flexible Packages to Fit Your Needs

Starter Package

- Server + 2-seat license
- 1st year of Maintenance free
- Client side can be Windows 7/8/10
- Centralized database on MS SQL Server

Extra

- Additional seat license is available
- Auto Download Module is available
- Auto BOM Import Module is available
- Conflict Minerals Module is available

Feature Highlights

- Report the completeness status on the data or documents you have collected.
- Report the compliance status on all parts or BOMs and generate compliance reports for

EU RoHS-2, China RoHS, CA Prop 65, Halogen-Free, REACH

- Annex-14, REACH Annex-17, REACH SVHC and many other regulations. Or define your own compliance rules per your customers' requirements.
- Receive online updates of changes to regulations and substance data so you're always dealing with the most up to date information.
- Import the component compliance data through Excel, IPC-1752 v1.1 XML or IPC-1752A XML, or have GreenSoft to collect the data and deliver to you through GreenSoft PartData XML format.
- Generate product level full disclosure reports to show the full list of chemicals used in products.
- Generate product disclosure reports in Excel, IPC-1752 v1.1 XML, IPC-1752A XML, and IEC 62474 XML formats.
- Keep data securely stored behind your own company firewall with the software downloaded on your own company server. All BOM level information is kept within your facility.

Bonus:

Sign up for our Data Services and we'll collect and validate the data from your suppliers for you!

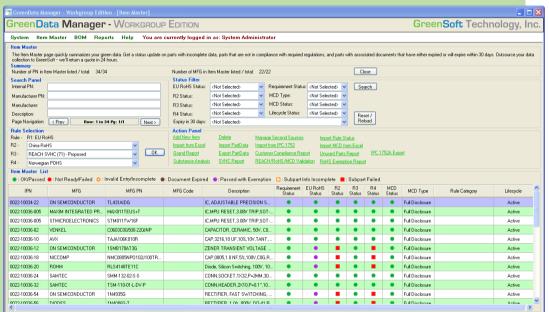


A Complete Compliance Management System

For the full details of how GreenSoft's **GreenData Manager Workgroup Edition (GDM-WE**) can help you manage your data collection, compliance validation, substance analysis and product level full disclosure of chemical substances, read on for a step-by-step example of **GMD-WE** features.

1. Data Collection Management

- Import the data you have collected through Excel, IPC-1752v1.1, IPC-1752A XML, or ask GreenSoft to collect, validate and provide the data in GreenSoft's proprietary PartData format.
- Data can be imported automatically through Auto PartData Import module.
- Examine and validate EU RoHS-2 status and Exemption Status provided by suppliers.
- Validate the aggregated substance weight against the component weight or subpart weight with userdefined tolerance.
- Validate document collection status and expiration status; alert 30days before documents expire.



2. Compliance Validation and Gap Analysis

- Determine compliance status of parts and BOMs immediately; Perform Gap Analysis on selected products (BOMs) for incomplete parts or non-compliant parts inside each BOM.
- Perform compliance validation on one of 22 Built-in regulations or define your own rule per your customer requirements.
- Perform compliance validation on one regulation for one BOM, or perform compliance validation on multiple regulations for multiple BOMs.
- Export compliance report and Gap Analysis report to Excel, or report BOM level compliance in IPC-1752A/IEC-62474.



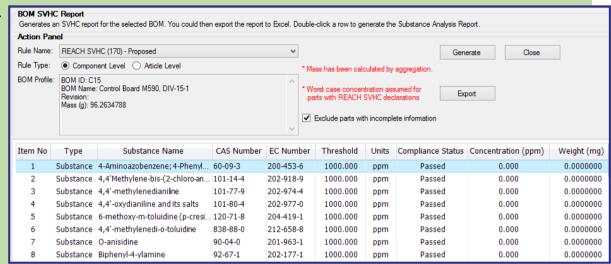


3. Product Compliance Report

- Validate compliance at product level on a specific compliance regulation or any customer-specific requirements.
- Roll-up weight and ppm for each substance or substance group at product level or at component level (for the new component level EU interpretation of the REACH SVHC regulation).
- Generate compliance status for each substance or substance group at product level.
- Conduct partial analysis during the data collection process and generate "GAP Analysis" report for

incomplete parts.

Perform Failure
 Analysis on
 BOMs that fail to comply with regulations or customer requirements and generate report.



4. Due Diligence Report for EU RoHS-2

- Generate BOM level due diligence reports as part of the technical documents for CE Mark per EN50581:2012.
- List unique parts list from the BOM with EU RoHS compliance status and due diligence documents such as Certificates of Compliance (CoC) or lab test reports or FMD documents. All documents are hyperlinked and accessible through simple clicks.

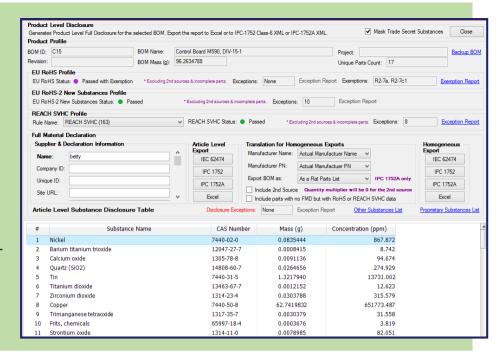
					_	_	_				
Item		Manufacturer	Manufacturer					EU RoHS		EU RoHS PoC	
No	Internal PN	Name	PN	Description	2ND	QTY	Units	Status	EU RoHS CoC Status	Status	Exemptions
1	0022-10034-22	ON SEMICONDU CTOR	TL431AIDG	IC, ADJUSTABLE PRECISI ON SHUNT REGULATOR, 2 .5 to 36 V, SO- 8 Package, 30ppm; RoHs Compliant		3	each	Passed	CoC2 ON TL431AIDG.pdf	Not Present	
2	0022-10036- 005	MAXIM INTEGRA TED PRODUCTS	MAX811TEUS+T	IC,MPU RESET,3.08V TRI P,SOT-143- 4,RoHS COMPLIANT	N	14	each	Passed	CoC2 MAXIM MAX811TEU S+T.pdf	Not Present	
3	0022-10036-02	VENKEL	C0603C0G500- 220JNP	CAPACITOR, CERAMIC, 5 0V, C0G, 5%, 0603, 22 P F, ROHS COMPLIANT	N	15	each	Passed	CoC VENKEL C0603C0G50 0-220JNP.pdf	Not Present	
4	0022-10036-10	AVX	TAJA106K010R	CAP,3216,10 UF,10%,10V ,TANT,RoHS COMPLIANT	N	8	each	Passed	CoC AVX TAJA106K010R.p df	Not Present	
5	0022-10036-12	ON SEMICONDU CTOR	1SMB170AT3G	ZENER TRANSIENT VOLT AGE SUPPRESSOR, 170V, 600W, DO- 214AA, ROHS COMPLIAN	N	2	each	Passed with Exemption	CoC2 ON 1SMB170AT3G	Not Present	R2-7a
6	0022-10036-18	NICCOMP	NMC0805NPO10 2J100TRPLPF	CAP,0805,1.0 NF,5%,100 V,COG,RoHS COMPLIANT	N	4	each	Passed	CoC2 NICCOMP NMC0805 NPO102J100TRPLPF.pdf	Not Present	
7	0022-10036-20	ROHM	RLS4148TE11C	Diode, Silicon Switching, 100V, 100mA, 500mW, 4 nS, JEDEC LL- 34 package, Operating Ju	N	2	each	Passed with Exemption	CoC ROHM RLS4148TE11. pdf	Not Present	R2-7c1



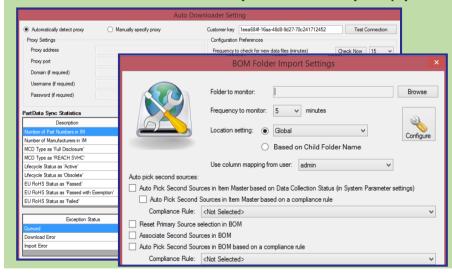
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5. Product Level Full-Disclosure

- List of all substances used in the product (Product DNA).
- Roll-up weight and ppm for each substance to product level.
- Product level RoHS-2 compliance status included.
- Product level SVHC compliance status included.
- Export product level full-disclosure report to Excel, IPC-1752v1.1, IPC-1752A, or IEC 62474 XML format.
- Exception Report lists parts unable to be included in product rollup.



6. Automation of PartData Import & BOM Import (optional)



- Complete automation of importing the PartData files if GreenSoft is doing data collection for you.
- Complete automation of importing BOMs from your ERP/PLM system.
- Frees you from manual work of updating PartData. Simply select the desired BOM and click to generate compliance reports instantly.

Minimum Requirements

Server:

- Windows Server 2003/2008/2012 (including R2)/2016
- .NET Framework 2.0 and 3.5
- Microsoft SQL Server 2005/2008/2012/2014 Standard/Enterprise Edition
- CPU: Dual or Qual Core with 2 GHz or above
- RAM: 8 GB or above
- HD: 100 GB or above

Client:

- MS Windows XP or MS Windows Vista or Windows 7/8/10 or Windows Server 2003/2008/2012 (including R2)/2016
- .NET Framework 2.0 and 3.5
- Adobe Acrobat Reader V 9.0 or above
- Microsoft Office tools (such as Excel)
- CPU: 2 GHz or above; RAM: 2 GB or above; HD: 100 MB or above

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