

## Safety Data Sheet (SDS)-compiling software-products February 2012

### Important information:

- The list is not complete and open for others.
- If you want to be added, please contact Mrs. Elke Büdeker (E-Mail: [sek4.6@baua.bund.de](mailto:sek4.6@baua.bund.de)).

### 1. Addresses

Software	Firm	Contact person	Street	Town	Telephone	Fax	E-Mail	Internet
Atrion's Compliance Solutions	Atrion International B.V.		Oranjesingel 34	NL-6511 NV Nijmegen	+31 (0) 24 329 7424	+31 (0) 24 324 3277	<a href="mailto:info@atrionintl.com">info@atrionintl.com</a>	<a href="http://www.atrionintl.com">www.atrionintl.com</a>
AuthorITe	ChemWatch						<a href="mailto:chemwatch@chemwatch.net">chemwatch@chemwatch.net</a>	<a href="http://www.chemwatch.net">www.chemwatch.net</a>
Blending Envicon	Infor Global Solutions Deutschland AG		Jarrestr. 8	D-22303 Hamburg	+49 (0) 40 278398-0	+49 (0) 40 278398-300	<a href="mailto:hamburg@infor.com">hamburg@infor.com</a>	<a href="http://www.infor.com">www.infor.com</a>
CHEMETER® - SIAM S.L.	Soluciones Informaticas Ambientales, S. L.	Raquel Ordoyo Garcia	C/ Teruel, 3. Entrepanta – Oficina 6	ES-26006 Logroño	+941 286 749			<a href="http://www.siam-it.net">www.siam-it.net</a>
ChemGes	DR Software GmbH	Dr. Birgit Bauer	Großmittelstr. 32	A-2601 Sollenau	+43 (0) 2628 61900	+43 (0) 2628 61900-2	<a href="mailto:info@dr-software.com">info@dr-software.com</a>	<a href="http://www.dr-software.com">www.dr-software.com</a>
Chemical Check® Sichdat	Chemical Check GmbH Gefahrstoffberatung	Karen Schnurbusch	Woebbeler Str. 2-4	D-32839 Steinheim	+49 (0) 5233 9417-0	+49 (0) 5233 9417-90	<a href="mailto:info@chemical-check.de">info@chemical-check.de</a>	<a href="http://www.chemical-check.de">www.chemical-check.de</a>
ChemSDS+ (M)SDS Authoring Software	ChemADVISOR Europe sprl	Nathan Peters	Rue des Palais 44, Bte32	B-1030 Brussels	+32 (0) 2 211 3413		<a href="mailto:info@chemadvisor.com">info@chemadvisor.com</a>	<a href="http://www.chemadvisor.com">www.chemadvisor.com</a>
CSB-System	CSB-System AG	Dr. Marc Mackenstedt	An Fürthenrode 9-15	D-52511 Geilenkirchen	+49 (0) 2451 625-0	49 (0) 2451 625-291	<a href="mailto:info@csb-system.com">info@csb-system.com</a>	<a href="http://www.csb-system.com">www.csb-system.com</a>
CS Studio	ChemicalServ Software & Consulting		Weserstr. 2	D-65549 Limburg	+49 (0) 6431 590798	+49 (0) 6431 284 779	<a href="mailto:info1@chemicalserv.de">info1@chemicalserv.de</a>	<a href="http://www.chemicalserv.de">www.chemicalserv.de</a>

Software	Firm	Contact person	Street	Town	Telephone	Fax	E-Mail	Internet
DIBAC	RSW Orga GmbH	Mr. Klusen	Max-Reger-Straße 49-53	D-41171 Mönchengladbach	+49 (0) 2161 2930-0	+49 (0) 2166 2930130	<a href="mailto:info@rsw-orga.de">info@rsw-orga.de</a>	<a href="http://www.rsw-orga.de">www.rsw-orga.de</a>
EGSIDA	eska Ingenieurgesellschaft mbH		Neue Große Bergstr. 20	D-22767 Hamburg-Altona	+49 (0) 40 30 68 17-0	+49 (0) 40 30 68 17-99	<a href="mailto:service@eska.eu">service@eska.eu</a>	<a href="http://www.eska.eu">www.eska.eu</a>
<b>epos</b> Hazard Substances Manager	PES-Ingenieurgesellschaft mbH	Dirk Menzel	Am Wingert 11	D-63828 Kleinkahl	+49 (0) 6024 63 04 23	+49 (0) 6024 63 04 25	<a href="mailto:dirk.menzel@gefahrstoff.com">dirk.menzel@gefahrstoff.com</a>	<a href="http://www.gefahrstoff.com">www.gefahrstoff.com</a>
ExESS	LISAM S.A.	Frans Lemaire	Vlaanderenstraat 3A	B-8501 Heule	+32 56 372637	+32 56 372324	<a href="mailto:fransL@lisam.com">fransL@lisam.com</a>	<a href="http://www.hemmis.be">www.hemmis.be</a> <a href="http://www.lisam.com">www.lisam.com</a> <a href="http://www.msdssexess.com">www.msdssexess.com</a>
GeSi SDB-Profi	Feitsch GmbH	Mrs. Feitsch	Kaiserstr. 22	D-97070 Würzburg	+49 (0) 931 465 33-00	+49 (0) 931 465 33-33	<a href="mailto:vertrieb@feitsch.de">vertrieb@feitsch.de</a>	<a href="http://www.feitsch.de">www.feitsch.de</a>
Hazardous Substance Management module for the Microsoft Dynamics™ NAV	TECTURA AG – Prosisoft GmbH	Dr. Hans-Albert Beul	Otto-Hahn-Str. 20a	D-65520 Bad Camberg	+49 (0) 6434 90 48 65	+49 (0) 6434 90 67 35	<a href="mailto:info@prosisoft.de">info@prosisoft.de</a>	<a href="http://www.prosisoft.de">www.prosisoft.de</a>
Lisam	Trade Wind B.V.	Harro Elsberg	Sprengenweg 95	NL-8161 ND EPE Niederlande	+31 (0) 75876219 19703926151	+31 (0) 84747 2499	<a href="mailto:info@twnl.com">info@twnl.com</a>	<a href="http://www.twnl.com">www.twnl.com</a>
Lycos Athena 4	Chemie & Vorschrift	Dr. Peter Bursch	Ernst-Lemmer-Straße 27	D-35041 Marburg	+49 (0) 6421 88 65 63	+49 (0) 6421 88 69 68	<a href="mailto:info@chemie-vorschrift.de">info@chemie-vorschrift.de</a>	<a href="http://www.chemie-vorschrift.de">www.chemie-vorschrift.de</a>
MSDgen	3E Company	Andrea Verspray	Lyngbyvej20, 3	DK-2100 Copenhagen	+45 70 22 81 70	+45 39 15 82 69	<a href="mailto:info@3ecompany.com">info@3ecompany.com</a>	<a href="http://www.3ecompany.com">www.3ecompany.com</a>
SAP EH&S	SAP AG SAP AG		Neurottstr. 16	D-69190 Walldorf	+49 (0) 6227 747474	+49 (0) 6227 757575	<a href="mailto:info.germany@sap.com">info.germany@sap.com</a>	<a href="http://www.sap.com">www.sap.com</a>
	Development partner: TechniData AG	Stefan Breyer	Dornierstraße 3	D-88677 Markdorf	+49 (0) 7544 970 - 0	+49 (0) 7544 970 - 110	<a href="mailto:contact@technidata.de">contact@technidata.de</a>	<a href="http://www.technidata.de">www.technidata.de</a>
SDSProfessional	Safeware Quasar Ltd	Tim Peberday	83 Melton Road West Bridgford	Nottingham. NG2 6EN. United Kingdom	+44 (0) 115 982 1185	+44 (0) 115 982 0995	<a href="mailto:sales@safeware.co.uk">sales@safeware.co.uk</a>	<a href="http://www.safeware.co.uk">www.safeware.co.uk</a>

Software	Firm	Contact person	Street	Town	Telephone	Fax	E-Mail	Internet
SoCaL	KISTERS AG	Klaus Mehler	Arnold Dehnen Str. 49	D-47138 Duisburg	+49 (0) 6483 805530	+49 (0) 203 3788 105	<a href="mailto:Klaus.Mehler@Kisters.de">Klaus.Mehler@Kisters.de</a>	<a href="http://www.kisters.de">www.kisters.de</a>
STYLTIME – New media for new responsibilities	Cylteha	Dimitri Dragoumis	17. Place des Tulpiers	F-71000 Mâcon (Frankreich)	+33 359 08 22 50	+33 359 08 22 53	<a href="mailto:mngt@cylteha.com">mngt@cylteha.com</a>	<a href="http://www.cylteha.com">www.cylteha.com</a>
SUMDAT	Qualisys GmbH		Bahnhofstr. 40	D-40764 Langenfeld	+49 (0) 2173 39916-0	+49 (0) 2173 39916-16	<a href="mailto:info@qualisys.de">info@qualisys.de</a>	<a href="http://www.qualisys.de">www.qualisys.de</a>
The WERCS®	WERCS, Ltd	Chris DeRidder	Abveldstraat 21	B-2880 Bornem	+32 473 88 35 07		<a href="mailto:europaefo@thewercs.com">europaefo@thewercs.com</a>	<a href="http://www.thewercs.com">www.thewercs.com</a>
TRASYS	TRASYS s.a., n.v.	Christiane von der Pahlen	6c terhulpesteen weg	B-1560 Hoeilaart	+32 2 773 87 24	+322 773 79 00	<a href="mailto:christiane.vonderpahlen@trasys.be">christiane.vonderpahlen@trasys.be</a>	<a href="http://www.trasys.be/euroreachout">www.trasys.be/euroreachout</a>

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## 2.1 Atrion's Compliance Solution - Atrion International B.V.

Atrion provides a complete solution to strengthen companies, to stay align with current and future legal requirements when managing chemicals. Atrion solution's modules are designed to integrate with key ERP systems enabling consistent support for business compliance processes.

### Materials Compliance Suite (MCS):

MCS is Atrion's innovative and highly flexible component-based solution. It includes software applications, up-to-date regulatory content and access to regulatory portals. With MCS, you can easily and cost-effectively adapt, manage and respond to global legislative changes as well as control existing regulatory compliance risks.

MCS solution has a powerful 'rule-based' document generation engine, allowing automated generation of multi-lingual (42 languages) 'Use-based' extended SDS with attached Exposure Scenario's. The rules cover country specific C&L and (M)SDS requirements, for over 40 countries.

With data submission requirements of REACH the functionality of the REACHexchange component ensures consistency of information disclosed to the authorities and throughout the supply chain with Atrion's Bi-directional Interface to IUCLID 5.

### Compliance Suite for EH&S:

This software is designed to specifically complement SAP EH&S. It is a pre-packaged solution and enables organizations to easily integrate Atrion's regulatory expertise and content into their existing SAP EH&S environments. The Suite provides a proven compliance engine that leverages our extensive managed content - consisting of integrated regulatory data, rules, phrases, pictograms and templates. The Compliance Suite for EH&S is fully supported by an experienced SAP® implementation service provider, Linx/AS.

### Supply Chain Communication:

A structured Use-based approach to the communication of exposure information up and down the supply chain is essential for the production of the Extended SDS. This component of our REACH solution empowers companies with a highly advanced and automated communication tool, reducing the overall staffing requirements to manage Exposure Scenario information and to meet the legal criteria for record-keeping stipulated by REACH.

### Chemical Management Solution (CMS):

This portfolio of web-delivered products intuitively processes the enormous inventory, regulatory, and technological challenges faced when managing chemicals. This component of Atrion's REACH solution links all stages of the chemical life cycle, reduces chemical handling and purchasing costs, and provides mission critical information throughout the enterprise: Preliminary Screening, Approval Management, SDS Management, Inventory Management and Regulatory Reporting.

### Operating system/system requirements:

On request

### Contact:



ATRION INTERNATIONAL BV  
Oranjesingel 34  
NL-6511 NV Nijmegen  
The Netherlands

Phone: +31 (0) 24 329 7424  
Fax: +31 (0) 24 324 3277  
E-Mail: [info@atrionintl.com](mailto:info@atrionintl.com)  
Internet: [www.atrionintl.com](http://www.atrionintl.com)

## 2.2 Chemwatch - AuthorITe

In the course of 18 years AuthorITe Authoring Software was designed to produce MSDS for most types of substance/ preparation/ article – not only can an MSDS for a common paint be developed but, in addition, MSDS for radioactive articles or pathogens, as just two examples, can also be produced. Underlying this flexibility is a set of rules set numbering more than 70,000, most handcrafted and reviewed by authors using them on a daily basis. The experience of more than 100 chemists and safety professionals has been distilled, over 18 years, to produce the current product.

AuthorITe includes the entire health and safety profile of over 50,000 substances, each individually researched and annotated by our own team. In addition AuthorITe is supported by an underlying database of Regulation from more than 50 countries. More than 4 million substances and 500,000 CAS Numbers are available from more than 1000 Regulatory and Properties Lists. This database, known collectively as Galleria Chemica, is produced and maintained entirely by Chemwatch professional staff and is updated weekly on the Web. AuthorITe can link directly to the Web version of the Galleria Chemica for real time updates of Regulation around the world.

Exporters using authoring packages require not only a multi-language facility but a multi -format and -classification ability. Japan, India, Indonesia, Malaysia, Australia and New Zealand, for example, differ in their requirements for producing MSDS. The USA, similarly, has its own standards. Each requirement or standard is available in AuthorITe. AuthorITe already produces GHS formatted documents according to the GHS criteria. New Zealand adopted a form of GHS document several years ago whilst it is expected that Japan will do so soon. GHS criteria for classification is just one example of differing criteria currently required by various countries. AuthorITe maintains a complete set of Rules addressing the classification requirements of countries outside the EU. The content of a single MSDS, written for one country, is automatically converted to reflect the requirements of another country – language, format and classification may all differ.

AuthorITe produces MSDS and Labels in more than 30 languages; in addition Work Instructions, for example Betriebsanweisung, mini-MSDS and many other workplace documents are produced simultaneously.

Every MSDS produced by AuthorITe may bear the Chemwatch Emergency Number ensuring 24/7 contact with our Emergency Response team. The team boasts more than 50 languages and trained chemists are available to handle queries from around the world related to spill, fire or exposure.



Offices in 17 countries. Please visit [www.chemwatch.net](http://www.chemwatch.net) to find your nearest location:

E-Mail: [chemwatch@chemwatch.net](mailto:chemwatch@chemwatch.net)

## 2.3 Blending Envicon – Infor Global Solutions Deutschland AG

Envicon is a comprehensive dangerous substance management system, which enables a certain and safe and secure dangerous substance management according to international regulations.

It may be used as a stand-alone or as an integrated module of the ERP software Infor Blending. Envicon reduces the administration expenses, which the dangerous substance and goods regulations entail, to a minimum.

The central element of Envicon is its extensive dangerous substance data base with about 4000 substance data records. It is continuously updated.

Based on this information, Envicon carries out a formula analysis and determines the correct labelling pursuant to the General Preparations' Guideline 1999/45/EG, the transport classification according to RID/ADR, IMDG, ICAO/IATA as well as further additional national classifications.

Via a text phrases catalogue, safety data sheets and labels can currently be generated in 20 different languages. This catalogue may be expanded variably.

Optionally, the edition of the safety data sheets can be made via a printer, as a file (DOC, PDF, HTML, RTF) or a safety data sheet archive.

Additional modules are available for printing of tremcards in 26 languages, a dangerous substances register, interfaces for the import and export of data, a delivery history, a list of substance usages, a component replacement and a module for processing of simple chemical reactions. Envicon is available in different user languages and is used throughout Europe.

### General information:

- Update of all regulations concerning safety data sheets every 3 - 6 months
- Dangerous substance data base with 50 - 100 % of all substances of the Annex I of 67/548/EEC in all EC-languages
- About 1.030 text phrases (no BDI-standard phrases) in 20 languages available
- Edition of the safety data sheet as .pdf-, .doc-, .rtf- and .html-file
- Printing of labels is possible
- EDAS-interface is provided
- Available as network and single place version

### Operating system/System requirements:

- Windows XP / 2000
- Office XP / 2000 (Word and Access)
- SQL-Server 2000 or Oracle
- Central memory RAM: 512 MB
- Fixed Hard disc: 40 GB

### Contact:



Infor Global Solutions Deutschland AG  
Jarrestraße 8  
D-22303 Hamburg  
Germany

Phone: +49 (0) 40 / 278398 - 0  
Fax: +49 (0) 40 / 278398 - 300  
E-Mail: [hamburg@infor.com](mailto:hamburg@infor.com)  
Internet: [www.infor.com](http://www.infor.com)

## 2.4 CHEMETER<sup>®</sup> – SIAM S.L.

SIAM has developed new generation software called CHEMETER whose characteristics are as follows:

Legislation ready for each country concerning: data sheets (MSDS), labels, transport documents.

- REACH Regulation (EC) N° 1907/2006.
- Regulation (EC) n° 1272/2008 (CLP Regulation).
- Royal Decree 1406/1989 and subsequent modifications made to limits to commercialization and the use of certain dangerous substances and preparations.
- Directives on volatile organic compounds. Directive 2004/42/CE (R.D. 227/2006) and Directive 1999/13/EC (R.D. 117/2003)
- Regulation (EC) n° 648/2004 on detergents.
- ADR 2009, RID 2009, IMDG 2008 and IATA 2009.

Besides the software it has a module for a simulator R&D, whereby it becomes possible to optimize your products, knowing beforehand their properties.

The management and prevention of chemical hazards are accompanied by a reduction of costs related to labor and environmental health.

The program makes automatic calculations:

- Physicochemical properties (flash point, boiling temperature, density, vapor pressure, cup viscosity...).
- Classification for transport (ADR, RID, IMDG and IATA).
- Mono or multi-component volatile organic compounds.
- Individual protection equipment.
- Classification of waste in accordance with the European Waste Catalogue.
- Classification for the storage of chemical products.

It generates safety documents:

- Generation of Material Safety Data Sheets and multilingual labeling.
- Selection of the style of the Material Safety Data Sheet and label design.
- Multilanguage software useful to all European Community languages and many others as well (Russian, Chinese, Turkish, etc...).

Contact:



Ms. Raquel Ordoyo  
Export Manager  
E-Mail: [export@siam-it.net](mailto:export@siam-it.net)

SIAM S.L.  
C/ Teruel, 3. Entrepantia - Oficina 6  
ES-26006 Logroño, La Rioja  
Spain

Phone: 941 286 749  
Skype: siam-it  
Internet: [www.siam-it.net](http://www.siam-it.net)

## 2.5 ChemGes - DR-Software

ChemGes has been available on the market since 1989, and is successfully used within the USA and most European Countries by the chemical industry, trade, in laboratories as well as by governmental organizations. The program covers the requirements of small, as well as large companies.

The multilingual surface (German, English, French and Italian) of the Basic program enables the international use of the software.

Maintenance contracts guarantee program- and data updates, as well as unlimited hotline support.

We provide our customers with offices in Canada and Europe, thus ensuring close contact and direct support whenever necessary.

### General information:

- Substance database: Approximately 13,200 different substances with their classification and labelling according to Substance Directive 67/548/EEC, transport data according to ADR, IMDG and IATA, physical, chemical, toxicological and country-specific data (MAK, AGW, TLV, Swiss Giftklasse, etc.)
- Preparation database: Creation of preparations and kits, Splitting of formulations according to various criteria, Search for substances in formulations and problem-free import of formulations from a mainframe computer
- Classification programs: Calculation of the classification / labelling according to Preparation Directive 1999/45/EC, of transport regulations ADR, IMDG and IATA, and national regulations, like VbF, WGK /ABM, MAL-Code and VOC-content within seconds
- Material Safety Data Sheets: Almost fully automatic generation in all EU-languages, as well as various Eastern European and Asian languages, Administration of version numbers and customers, Output in various formats according to international standards, as REACH and GHS, Distribution of all MSDSs to customers by means of the add-in program MSDS+.
- TremCards (Transport Emergency Cards): Fully automatic generation according to Road Transport regulation ADR in all languages of the ADR-member states
- Internal Plant Instructions: Multilingual, fully automatic generation with all necessary information symbols
- Labels: Free definable, individual label formats, Print of hazard and transport symbols, Integration of company logo, barcodes etc.

### Operating systems / System requirements:

ChemGes is applicable under Windows 95 / 98 /ME / NT / 2000/ XP / Vista and higher, as well as under Citrix. We recommended to use a Pentium computer corresponding to the present standard.

ChemGes is fully network capable and allows data transfer between most system platforms.

### Contact:



DR Software  
Grossmittelstraße 32  
A-2601 Sollenau  
Austria

Phone: +43 (0) 2628 / 61 900  
Fax: +43 (0) 2628 / 61 900-2  
E-Mail: [info@dr-software.com](mailto:info@dr-software.com)  
Internet: [www.dr-software.com](http://www.dr-software.com)

## 2.6 Chemical Check® Sichdat – Chemical Check GmbH Gefahrstoffberatung

SICHDAT is a flexible hazardous substance management and information system for the compilation of safety data sheets. It also can be linked to an online-system, in which private-label safety data sheets of your customers can be prepared.

SICHDAT contains miscellaneous applications, which can be reserved as single modules. The applications cover the range of producing documents for safety data sheets, instruction manuals, labels for hazardous substances, transport documents, additional information according to ADR, IMDG-Code and IATA-DGR, reports as well as the possibility for reporting the history of a product.

### Further performance data

- display and compilation of safety data sheets
- compilation of labels
- transport document information (ADR, IMDG, IATA) + plus additional references
- report and queries by the user are possible
- instruction manuals

### General information

- display of safety data sheets, labels, transport document information, instruction manuals as pdf-files

### Operating System/System requirements

- MS Internet Explorer Vers. 6.0
- more requirements on request

### Contact:



Chemical Check GmbH  
Gefahrstoffberatung  
Woebbeler Str. 2 - 4  
D-32839 Steinheim  
Germany

Phone: +49 (0) 5233 / 9417-0  
Fax: +49 (0) 5233 / 9417-90  
E-Mail: [info@chemical-check.de](mailto:info@chemical-check.de)  
Internet: [www.chemical-check.de](http://www.chemical-check.de)

## 2.7 ChemSDS+ (M)SDS Authoring Software – ChemADVISOR Europe

ChemSDS+ for Windows is ChemADVISOR's Material Safety Data Sheet authoring program.

The features of ChemSDS+ include:

**Regulatory Analysis and Property Scripts:**

ChemSDS+ provides standard scripts for chemical and physical properties, and regulatory information. User customizable scripts allow for complete control in tailoring which physical and chemical properties and regulatory information appears in the final (M)SDS.

**Multiple Formats:**

Using the template function, data and information can be entered one time, but may be printed in various formats which can be customized by the user.

**Standard Phrases and Multiple Languages:**

The use of standard phrases allows for consistency among (M)SDSs, as well as the ability to generate (M)SDSs in multiple languages. There is a standard phrase library, and the user may add phrases to this library or mix standard phrases with free text.

**Raw Material Database:**

The user may construct a database of the raw materials used. This information can then be used to construct and calculate the final composition for product (M)SDSs.

**Database Management Tools:**

ChemSDS+ contains several search and organization functions which are used to subdivide the user's collection of (M)SDSs into subsets defined by common chemical components, common physical properties, or common manufacturing sites, among others.

**Report Generator:**

This feature of ChemSDS+ allows the user to create custom reports based upon information present on the (M)SDS for a user defined list of products.

Contact:



ChemADVISOR Europe sprl  
Rue des Palais 44, Bte32  
B-1030 Brussels  
Belgium

Phone: +32 (0)2 211 3413  
E-Mail: [info@chemadvisor.com](mailto:info@chemadvisor.com)  
Internet: [www.chemadvisor.com](http://www.chemadvisor.com)

## 2.8 CSB-System - CSB-System AG

To meet the legal requirements in the United States, the European Union and Asia, CSB-System offers normed standard forms to provide detailed standardized information concerning hazardous materials and dangerous goods. These forms include material safety data sheets (MSDS), IATA documents, IMO papers and accident notices.

CSB-System contains a fully integrated and highly flexible hazardous materials and dangerous goods management to comply with regulations. The integration of the Hazardous Materials Management application into the industry-specific ERP software results in unprecedented benefits throughout the handling of all process involved in manufacturing, storage and distribution of dangerous goods.

An efficient Hazardous Goods Handling encompasses the administration of all relevant information for substances and items. Based on this information, all necessary forms can be created, stored and printed. In addition, bills of material created with the CSB-System can be classified in accordance with EC directive 1999/45.

The implementation of the hazardous materials solution has come about in close collaboration with the experts of Qualisys. This collaboration has resulted in the fact that all local and international regulations and laws are adhered to and that individual customer objectives can be met.

### General Information:

- Relevant statutory provisions for MSDS update within 1-3 months
- Hazardous materials database with all substances of Appendix I of EC directive 67/548 in all languages of the European Union
- ca. 3.000 text phrases / templates (no BDI standard lines) available in multiple languages
- Output of MSDS in .pdf, .doc, .html, and other formats
- Label print
- EDAS-interface
- LAN and single-station editions available

### System Requirements:

- Server OS: Windows 2003, Linux (SuSE, RedHat), Novell NetWare
- Client OS: Windows, Citrix ICA Client, Web Browser (Internet Explorer), X-Window System, Linux

### Contact:



CSB-System AG  
An Fürthenrode 9-15  
D-52511 Geilenkirchen  
Germany

Phone: +49 (0) 2451 / 625-0  
Fax: +49 (0) 2451 / 625-291  
E-Mail: [info@csb-system.com](mailto:info@csb-system.com)  
Internet: <http://www.csb-system.com>

## 2.9 CS Studio - ChemicalServ Software & Consulting

CS-Studio is a powerful e-business software solution for hazardous chemical information and material management. The system can be arranged from different software components, so it is a cohesive solution suitable for your facility and company's specific data requirements.

CS-Studio enables you to create material safety data sheets (MSDS), transport emergency cards (tremcards), IMO and IATA transport documents, internal plant instructions, chemical reports, labels etc. within seconds.

The range of your basic data existence (raw materials, dangerous materials, phrases) can be determined.

### General information:

- Update of all regulations concerning safety data sheets every 1 – 3 months
- dangerous material data base with all registered materials of the appendix I of the 67/548/EEC in all European Union languages available.
- all BDI standard records in 11 languages available
- providing of safety data sheets in pdf -, doc -, html and other formats.
- label printing possible.
- available as network and single place version.

### Operating system/System requirements:

- Windows XP / 2000
- SQL-Server 2000 or Oracle
- Central memory RAM: 128 MB & 1024\*768 dissolution.
- Fixed Hard disc: 10 GB
- Online V: Platform independently

### Contact:



ChemicalServ Software & Consulting  
Weserstr.2  
D-65549 Limburg  
Germany

Phone: +49 (0) 6431 / 590798  
Fax: +49 (0) 6431 / 284 779  
E-Mail: [info1@chemicalserv.de](mailto:info1@chemicalserv.de)  
Internet: [www.chemicalserv.de](http://www.chemicalserv.de)

## 2.10 DIBAC – RSW Orga GmbH

The DIBAC-module "Management of Hazardous Goods" enables an automatic calculation of product labels according to production guidelines. Security data sheets are generated under consideration of country-specific data and languages. The module can be integrated in the complete DIBAC ERP-solution, including e.g. quality assurance, batch tracking or production planning and control.

RSW Orga GmbH is specialized in the chemical industry and supports the customer with 25 years experience in this field. Service includes Updates of data and programs in case of changes in EU-guidelines, support and hotline-service.

### Features:

- Calculation of product labelling and transport code according to EU regulations.
- Safety data sheets in up to 31 languages.
- Administration possible on MSDS-group level, i.e. more recipes can be administered with one MSDS.
- Different analysis like material usage or receipt analysis
- Archiving: MSDS and receipts
- Ability to run after the "old" and "new" regulations after an update so the user can decide the time of activation under consideration of a certain time frame.
- Labelling of differences to previous version, the changed chapters are marked for the customer.
- 

### General Information:

- Database of hazardous materials containing all substances according to 67/548/EWG, attachment I
- International airborne limits per hazardous substance
- Label print or technical bulletins possible
- Also available as 1-user-version

### Requirements/ Operating System:

- MS-WIN server 2003 (32 bit) or 2008/R2 (64bit)

### Contact:



RSW-ORGA GmbH  
Max-Reger-Str. 49-53  
D-411179 Mönchengladbach  
Germany

Phone: +49 (0) 2166 / 2930-0  
Fax: +49 (0) 2166 / -2930-13  
E-Mail: [info@rsw-orga.de](mailto:info@rsw-orga.de)  
Internet: [www.rsw-orga.de](http://www.rsw-orga.de)

## 2.11 EGSIDA - eska Ingenieurgesellschaft mbH

Contact:



eska Ingenieurgesellschaft mbH  
Neue Große Bergstr. 20  
D-22767 Hamburg-Altona  
Germany

Phone: +49 (0) 40 / 30 68 17 - 0  
Fax: +49 (0) 40 / 30 68 17 - 99  
E-Mail: [service@eska.eu](mailto:service@eska.eu)  
Internet: [www.eska.eu](http://www.eska.eu)

## 2.12 **epos Hazardous Substances Manager - PES-Ingenieurgesellschaft mbH**

Since 1996 PES-Ingenieurgesellschaft is a well-known It-service-organisation in the domain of hazardous-substances-management. Quite a number of national as well as international customers coming from branches like chemistry, trading, industry and even research establishments rely on the always up-to-date and dependable implementations of official regulations (quarterly updates).

Principal item of the **epos** Hazardous Substances Manager is the production, the administration/management and the distribution of substance data and safety data sheets.

The modularly constructed software for product safety, maintenance of industrial health and safety standards as well as environmental protection - GHS compliant - supports the procedure and flow of information from the laboratory, product safety and production to sales and ultimately to the customer; additional add-ons for integration of ERP systems or web-applications make up for complete requirements. Typical use cases are assorted to sales packages. There are very reasonable offerings for small companies, for full functionality requirements up to individual needs.

### Supplementary modules to safety data sheets:

- Laboratory database, safety-data-sheet-wizard (assistant), exposure scenarios, hazardous substance classification, US-MSDS, management of safety data sheet distribution, client management, SDS Distribution Management, dangerous goods classification, transport emergency cards, technical data sheets as well as configurable interfaces

### Supplementary industrial-safety-modules:

- Hazardous substances labels and operating instructions

### Available Add-ons for **epos**:

- **epos** Interface    Webservice interfaces for integration of **epos** into ERP systems (e.g. SAP Business One, Microsoft Dynamics™ Nav and SAP R/3)
- **epos** Web        Current hazardous substances documents in intranet (display/PDF-issue of SDS/technical data sheet/operating instructions, as well as preparation of operating instructions)
- **epos** Portal     Current hazardous substances documents in internet (expected first quarter 2012 )

### General information:

- User interface in German, English and Czech
- Hazardous substances database with all substances from annex VI of Regulation (EC) 1272/2008
- Phrases catalogue (BDI-phrases/EUPhraC or CED phrases) in 29 languages, transport data according ADR, IMDG, IATA, DOT and TDG physico chemical, toxicological and country specific data (OEL, BLV, TLV, SVHC, VbF, EWC, INCI, MAL, IDL, u. a.)
- Issue SDS, hazardous substances label, technical data sheet as well as operating instruction into 38 country-/language-combinations as well as .rtf-, .pdf- and html-issues
- Individual printing-layouts for each client, EDASx interface (for im- and export). etc.
- Quarterly or annually updates & hotline (service-agreements)

### Operating systems/system requirements

- Network version:    - Server: Windows 2000 or newer, 1,6 GHz, 1 GB RAM, 5 GB harddisk volume  
                             - Client: Windows 2000 oder newer, 128 MB RAM, 266 MHz, 140 MB harddisk volume
- Single workstation: - Windows 2000 or newer, 256 MB RAM, 800 MHz, 5 GB harddisk volume

### Contact:

### Sales Foreign Countries



PES-Ingenieurgesellschaft mbH  
Vertrieb Nord / Ausland  
Dirk Menzel  
Blockwinkel 31  
27251 Scholen

Tel.: +49 (0) 4245 / 96 37 84  
Fax: + 49 (0) 4245 / 96 37 91

E-Mail: [dirk.menzel@gefahrstoff.com](mailto:dirk.menzel@gefahrstoff.com)

## 2.13 ExESS – LISAM S.A.

ExESS has been developed as an IT tool to implement and support chemicals Management and all relevant environmental, safety and health issues (EH&S).

ExESS has been developed in MS dotnet on SQL database to easy interface with ERP systems and the whole range of Microsoft Software suites as MS Office, MS Dynamics NAV, Axapta and Sharepoint. For standard ExESS applications, ExESS consists of different modules ExESS Inventory, ExESS chemicals Management, ExESS REACH, ExESS Management Systems (Safety Management, ISO, OHSAS, HAZOP) and ExESS WASTE and ExESS Environment measurements. ExESS is compliant with CEFICS recommendations for SIMS (Substance Inventory Management System), the IT concept to support REACH compliancy.

ExESS modules include : :

- Stock and Lab management of chemicals  
SEVESO handling
- Inventory of all chemicals related data
- Follow up of risks, accidents, recipients, maintenance, training, inspection, tasks related to chemicals management
- Authoring SDS (Annex II) and eSDS (including ES) and all derived reports as: labels, Safety Instruction Card, Technical Data Sheets, Workplace Instruction Cards, ...using the WORD and Excel based Report generating tool.
- Calculation of DSD/DPD and CLP classification .  
Outside EU, ExESS supports GHS and SDS version for Japan, USA, Brazil and China. There is a generic SDS and GHS UN module (GHS Purple book Revision 4).
- ADR DGL , IATA, IMDG and ADN integration and iterative process for compositions
- Full REACH suite for data collection and relations between products, articles, components, supplier and client related data, volumes, etc..
- Substance Volume tracking : Eu REACH Volume tracking , Japanese CSCL and US IUR/CDR
- REACH SIMS functionalities
- General Article handling: SVHC handling, RoHS components, Restricted component handling,...
- Extendable basic interfaces with IUCLID5
- ExESS supports EComXML for ES exchange between IT systems
- Supports BDI/EuPhraC and other third party Phrase Libraries
- REACH Annex Management: Annex IV, VII-X, Candidate list, ...
- Batch procedures and scripting to generate and distribute documents over networks
- ...

ExESS SDS authoring is supported with phrase and a flexible report template generator. All reports are Word, Excel or PDF. Users can create their own templates.

ExESS screens and reports can easily be modified by authorized administrator user profiles. User rights can be set by profile in network applications. An ExESS API is available to interface ExESS with third party application. ExESS use automated file exchange using Windows Schedules Tasks settings. ExESS can support the SAP EH&S OCC interface for data exchange.

Standard XML handling import and export functions allow easy exchange of data files.

ExESS operates on Windows 2000 / XP/VISTA and uses MS WORD and EXCEL as report tool.

ExESS can be purchased as engineering version. Trained IT people can develop their own interfaces and modules using the ExESS platform to integrate existing application in a full EH&S main IT concept.

Contact:



Sales: Kristof Lecocq, M&S  
LISAM S.A., Rue Jean Jaurés 5, B-7910  
Ecaussinnes  
Tel.  
Fax  
Email  
Product Marketing : Frans Lemaire Product  
marketing Industry EH&S  
Tel.: +32 477 292519  
LISAM S.A., Vlaanderenstraat 3A, B-8501 Heule  
Tel.: + 32 56 37 26 37  
Fax: +32 56 37 23 24  
Email: [fransL@lisam.com](mailto:fransL@lisam.com)  
Internet: [www.hemmis.be](http://www.hemmis.be), [www.lisam.com](http://www.lisam.com),  
[www.msdexess.com](http://www.msdexess.com)

## 2.14 GeSi SDB-Profi - Feitsch GmbH

The GeSi SDB-Profi is a software which supports the production and administration of legal-compliant (REACH/GHS) safety data sheets. The software is data sheet based and is built up after the defaults of REACH (article 31 and new appendix II). The most important feature is the automatical classification and labelling from the hazardous ingredients on the base of the integrated hazardous substances database. Other assistants lead through the single segments of the safety data sheet and offer filling or decisive support.

The safety data sheet is compact and formed clear. Own logo as well as head lines and footing lines allow an "individual" safety data sheet. You can have the foreign language issue for the safety data sheet at your fingertip (15 languages EU-West/Ost).

The GeSi SDB-Profi is easy to install and to serve intuitively and distinguishes itself by a very good price-achievement relation. The software may also be used for the management of hazardous substances (risk assessment and protection classes, registry of the hazardous substances, operating instructions).

### General information:

- software updates quarterly (update services)
- EG-hazardous substances database (annex VI CLP-VO Nr. 1272/2008 table 3.1 / table 3.2),
- integrated text phrases (BDI-phrases), soon EuPhraC
- individual phrases are possible
- output of safety data sheets in .pdf
- Label print
- network and single place version available
- 
- Soon: management of recipes

### Operating system / system requirements:

- Windows NT / in 2000 / XP/VISTA/Win 7

### Contact:



Feitsch GmbH  
Kaiserstr. 22  
D-97070 Würzburg  
Germany

Phone: +49 (0) 931 / 465 33-00  
Fax: +49 (0) 931 / 465 33-33  
E-Mail: [vertrieb@feitsch.de](mailto:vertrieb@feitsch.de)  
Internet: [www.feitsch.de](http://www.feitsch.de)

## 2.15 HSM for Microsoft Dynamics™ NAV - TECTURA AG - Prosisoft GmbH

The Hazardous Substance Management module based on Microsoft Dynamics™ NAV (Navision), also called HSM, contains substance database, formulation management, and calculation modules for classification and labelling of preparations, dangerous goods classification, German Water Hazard Class (WHC) etc., and for the generation of documents.

Available substance data: Classification data for all substances of Annex I and other substances contained in certain substance lists (e.g. for national occupational exposure limits), national occupational exposure limits, dangerous goods lists (ADR, IMDG, IATA), WHC, Swiss VOC etc.

The authorized user can configure the multilingual input- and output structures by himself. Ready-to-use standards already exist for the EC Safety Data Sheet and other documents like Transport document, IMO-/IATA Declaration, Tremcards, workplace instructions, label data etc. The documents are generated by means of the calculation modules and product group specific templates. The version management according to a hierarchical region assignment model (e.g. flash point > World, MAK (SUVA) > Switzerland, R-phrases > EC) enables the automatical re-dispatch of SDSs on relevant modifications for the concerned regions.

HSM is in line with the NAV standards, on the other hand, on the basis of the Microsoft Dynamics™ NAV kernel it can be integrated into other ERP software environments like SAP or others. Emphasis is placed on the integration into the enterprise workflow: takeover of production recipes, classification calculations, SDS generation, region-specific release and dispatch, order-related dangerous goods transport processing etc.

### Core functionality:

- Substance database
- Formulation management
- Calculation of classification and labelling according to the existing EC law (GHS in the pipeline)
- Dangerous goods classification
- Safety Data Sheets (eSDS in the pipeline) and other documents
- Automatical SDS dispatch
- Transport documents (ADR, IMO, IATA)
- Region related version management

### Contact:



TECTURA AG  
Johann-Krane-Weg 41  
D-48149 Münster  
Germany

Phone: +49 (0) 25 01 / 70 37 70

E-Mail: [de.marketing@tectura.com](mailto:de.marketing@tectura.com)

Internet: [www.tectura.com](http://www.tectura.com)



GESELLSCHAFT FÜR UMWELTMANAGEMENTSYSTEME  
Prosisoft GmbH  
Otto-Hahn-Straße 20 a  
D-65520 Bad Camberg  
Germany

Phone: +49 (0) 64 34 / 90 48 65

Fax: +49 (0) 64 34 / 90 67 35

E-Mail: [info@prosisoft.de](mailto:info@prosisoft.de)

Internet: [www.prosisoft.de](http://www.prosisoft.de)

## 2.16 Lisam - Trade Wind B.V.

Created in 1987 by Serge Lallemand, LISAM, born Pyrrhus, is one of the first software packages in the market specializing in international hazard documentation generation and management that has been developed to answer the specific needs of the Safety, Hygiene and Environment sector. Most companies are small to medium-sized, but also companies like BASF, Brenntag, Gulf Oil, Air Liquide and Linde use Lisam.

New and changing legislation like ReaCh, GHS and ADR make good software solutions even more important. The solution that LISAM offers completely satisfies official requirements: creation of any legal documents in 30 languages; management and distribution of documents in the addressee's language; pre-loaded database of over 4.500 substances (including 3211 substances from Annex I); possibility to interact with various ERP systems; ...

Lisam has currently over 350 customers throughout Europe and other continents and even the Belgian Ministry for Public Health uses the LISAM system to proceed its controls inside companies.

Lisam has already been able to implement the REACH- en GHS-requirements in its system.

### LISAM Enterprise Edition

The LISAM software works as a modular system around a central core. Such architecture allows for rapid and easy development of extensions around the core application in function of the concrete suggestions expressed by the users. The system is also easily integrated into any architecture built up with accounting software and operation management systems or into any ERP system.

The *LISAM Basic module* contains the following specifications:

- A management system for the end products of your company as well as for the raw materials used in the formulations of your preparations;
- A management system for pure dangerous substances classified by the EC and for other substances, hazardous and non-hazardous, used in the preparation of your end products;
- Calculation of the R-phrases and S-phrases as well as of the hazard classification;
- Full management of product documents (10 possible layouts) in four languages with the possibility to create new document layouts, headings, phrases and translations;
- Assistance in the classification of products for transport;
- Multilingual interface;
- Automated conversion to GHS/CLP-format

Supplementary modules the basic application:

- Lisam IFRA & Cosmetics
- Lisam Special Gas Edition
- Lisam Detergents
- Lisam Paint
- Lisam Language Tables
- Lisam Label Manager
- Lisam Distribution Manager
- Lisam PDF File Manager
- Lisam External Document Manager
- Lisam Concurrent user
- Lisam Multisite version

Contact:

**TRADE WIND**

Sprengenweg 95  
8161 ND EPE  
The Netherlands

Phone: +31 (0) 587 62 19 19

Fax: +31 (0) 847 47 24 99

E-Mail: [info@twnl.com](mailto:info@twnl.com)

Internet: [www.twnl.com](http://www.twnl.com)

## 2.17 Lycos Athena 4 - Chemie & Vorschrift

Lycos Athena 4 is a Windows based software for producing MSDS.

The Software is coming up with the following features:

- Elaboration of MSDS for pure substances and compositions
- Classification of formulae
- Creation and printing of Dangerous Goods and Dangerous Substances labels
- Creation of Tremcards (multilingual)
- Creation of Consignment papers, IATA, IMDG documents etc.
- Creation of Workplace Safety Cards

### General Information:

- Updating of the MSDS relevant regulations every 3 – 6 months
- Annex I Database with all substances 67/548/EEC available
- EU-OEL included
- More than 1500 text phrases in 17 languages available
- Printing of MSDS in .pdf-Format
- Label design and printing possible
- Stand-alone and network version available
- REACH version available from 1<sup>st</sup> quarter 2008

### OS / system Requirements:

Network version: e. g. Windows XP

Stand-alone version: 32 MB RAM, 200 MHz, 1 GB Harddisk space

### Contact:



Lycos Ltd.  
Burlees House  
Hangingroyd Lane  
Hebden Bridge  
West Yorkshire  
HX7 7DD  
United Kingdom

Chemie & Vorschrift  
Dr. Peter Bursch  
Ernst-Lemmer-Str. 27  
D-35041 Marburg  
Germany

Phone: +44 (0) 1422 844404

Fax: +44 (0) 1422 845709

E-Mail: [sales@lycos.ltd.uk](mailto:sales@lycos.ltd.uk)

Internet: [www.lycos.ltd.uk](http://www.lycos.ltd.uk)

Phone: +49 (0) 6421-88 65 63

Fax: +49 (0) 6421-88 69 68

E-Mail: [info@chemie-vorschrift.de](mailto:info@chemie-vorschrift.de)

Internet: [www.chemie-vorschrift.de](http://www.chemie-vorschrift.de)

## 2.18 MSDgen - 3E Company

3E Company's MSDS Authoring system, MSDgen®, provides in-house EH&S, R&D and Product Stewardship professionals the tools needed to effectively manage the complexities of producing and maintaining globally compliant and reliable hazard communication documentation. MSDgen has the flexibility to address unique business requirements, the scalability to meet varying levels of regulatory needs, and the adaptability for integration into the IT environment of companies of any size.

Any variety of Hazard Communication documents may be generated by MSDgen to meet international regulatory compliance and business requirements. MSDgen provides full support of hazard communication, classification, and labeling directives to generate globally-compliant MSDSs and label documents as well as business/user definable documents, such as Technical Data Sheets, Product Data Sheets, Hazard Summaries, and Product Stewardship Summaries.

MSDgen is fueled by Ariel™ chemical regulatory data, which is also used by 70% of the world's top chemical manufacturers. The content is structured into fully normalized data structures to be used in MSDgen's automatic classifications and mixture-level estimations, as well as presented on the appropriate hazard communication documents. The data provides live substance links for physical and chemical properties, toxicology data such as LD50s, dangerous goods information as well as international regulatory and advisory data. Alternative regulatory databases developed by other vendors are also supported.

MSDgen has many features, including:

Authoring:

- Automatic Calculations and Classification Systems, including EU, GHS and transportation classification
- Formulation Management
- Alternate Trade Name Management

Label Printing & Distribution:

- Publish, distribute, and retrieve MSDSs in any manner desired, in virtually any format, in multiple languages

MSDS Administration & Management

- Version control,
- Maintenance of revisions
- Manage vendor-supplied MSDSs.

3E Company has spent the last two decades helping customers manage EH&S regulatory compliance information. The company continues to evolve as the trusted provider of chemical, regulatory and compliance information services. The foundational core of our data products and services is a massive aggregation of global chemical regulatory content and MSDS data, collected, refined and maintained by our own staff of EH&S professionals. While many EH&S industry software vendors may buy the bulk of their content to integrate and then re-package or resell, 3E Company offers the valuable combination of a complete technology platform and data content solutions. We source our own content and develop the underlying technology to deliver it—all with our own employees. Providing flexibility, this content can also be integrated with other systems, such as SAP EH&S, The WerCS and other custom platforms.

Whether you are a chemical manufacturer or distributor who is required to comply with regulations related to import/export, hazard communication, notification, reporting and prohibitions on the marketing and use of hazardous substances in your products; or your company uses, stores, transports or disposes of hazardous materials and you are required to keep your employees and workplace safe, 3E provides support for identifying, monitoring and complying with complex and ever changing EH&S requirements.

Contact:



3E Company Europe ApS  
Lyngbyvej20, 3  
DK 2100 Copenhagen  
Denmark

Phone: +45 70 22 81 70  
Fax: +45 39 15 82 69  
E-Mail: [info@3ecompany.com](mailto:info@3ecompany.com)  
Internet: [www.3ecompany.com](http://www.3ecompany.com)

## 2.19 SAP EH&S - SAP AG

SAP EH&S provides a solution for environmental, health and safety issues that enables companies to expand business processes, comply with legal requirements, monitor risks and integrate health and safety functions such as management of hazardous substances and hazardous goods, occupational safety, occupational health care and waste management. The SAP EH&S hazardous substances management solution is geared to companies that require integration in SAP business processes (e.g. purchasing, shipping, materials management and maintenance), particularly for a global, multilingual user group.

The hazardous substances management module in SAP EH&S enables you to comply with the following regulations, which are legally binding in many countries.

- Checking for alternative substances before a hazardous substance is purchased
- Blocking the purchase of hazardous substances
- Packaging and identification of hazardous substances in accordance with regulations
- Safe storage of hazardous substances
- Management of up-to-date in-house material safety data sheets and those of suppliers of hazardous substances (supplier data sheets)
- Documentation and tracking of all changes in hazardous substance management
- Identification of all hazardous substances contained in materials and creation of a hazardous substance register
- Identification and evaluation of risks to protect your staff
- Monitoring of hazardous substance concentrations at the workplace
- Formulation, implementation and monitoring of safety measures
- Creation of standard company directives for work areas and substances
- Health and safety briefings for all staff relating to handling of hazardous substances

### General information:

- Updating of safety data sheet-related legal regulations every 1 - 3 months
- Hazardous substance database with all substances in appendix I of 67/548/EEC, available in all EU languages
- 5,500 text phrases (incl. 50 - 100 % of BDI standard phrases) available in 26 languages
- Output of safety data sheet in .pdf, .doc, .rtf, .html and other formats
- Label printing possible
- EDAS interface available
- Only available as network version

### Operating system/system requirements:

Server and 1 PC and Client PCs

Client PC: DB, SAP R/3, Microsoft Word, Microsoft Access

### Contact:



Development partner:

SAP AG  
Neurottstraße 16  
D-69190 Walldorf  
Germany

TechniData AG  
Dornierstraße 3  
D-88677 Markdorf  
Germany

Phone: +49 (0) 6227 / 747474  
Fax: +49 (0) 6227 / 757575  
E-Mail: [info.germany@sap.com](mailto:info.germany@sap.com)  
Internet: <http://www.sap.com>

Phone: +49 (0) 75 44 / 970 - 0  
Fax: +49 (0) 7544 /970 - 110  
E-Mail: [contact@technidata.de](mailto:contact@technidata.de)  
Internet: <http://www.technidata.de>

## 2.20 SDSProfessional – Safeware Quasar Ltd

Safeware Quasar have successfully supplied Regulatory Compliant Software and Managed Services to the Chemical Sector since 1998. (M)SDS Professional, the company's fourth generation of compliance software, has won critical acclaim from end users, regulatory experts and independent regulatory consultancies alike for its ease of use and accuracy of the algorithms contained and documents produced.

A recent winner in Survey by the UK's independent Chemical Hazard Communication Society, the company's flagship product, (M)SDS Professional was found to be the most popular system used in the UK in 2007 with 27% of the market share.

The software is used globally and locally and can support multiple languages and markets/jurisdictions to provide a complete local or global compliance solution.



**SDSProfessional Modules**

As well as (M) SDS authoring solutions the company also provides ancillary products to manage the inbound as well as outbound distribution of (M)SDSs, Hazardous Goods documentation and labelling software to provide a complete solution to its clients. For further information about the company's products and services please refer to [www.safeware.co.uk](http://www.safeware.co.uk)

### System Requirements:

Per Request

### Contact:



**SAFEWARE QUASAR LTD**

***Specialists in Chemical Hazard Communication***

Safeware Quasar Ltd  
83 Melton Road  
West Bridgford  
Nottingham  
NG2 6EN  
United Kingdom

Phone: +44 (0) 1159 821185  
E-Mail: [sales@safeware.co.uk](mailto:sales@safeware.co.uk)  
Internet: [www.safeware.co.uk](http://www.safeware.co.uk)

## 2.21 SoCaL - KISTERS AG

Contact:

**KISTERS**



KISTERS AG  
Arnold Dehnen Str. 49  
D-47138 Duisburg  
Germany

Phone: +49 (0) 203 3788 0 / 06483 80 55 30  
Fax: +49 (0) 203 3788 105  
E-Mail: [klaus.mehler@kisters.de](mailto:klaus.mehler@kisters.de)  
Internet: [www.kisters.de](http://www.kisters.de)

## 2.22 SUMDAT - Qualisys GmbH

As first marketer of hazardous materials you need to implement the national and international regulations, since you will be held liable for any violations and / or accidents. Therefore you should continuously examine and update your safety data. Consider delegating this task to SUMDAT - the integrated system which combines service with software, provided by Qualisys, your hazmat backoffice, for creating:

- Safety Data Sheets according to REACH and CLP / GHS / WHMIS,
- Operating instructions,
- Templates for labels as well as
- Lists of transportation, disposal and customs requirements/ regulations.

### General information (as of January 2012):

- Creation of safety data sheets in 36 languages according to Regulation (EU) No. 453/2010, ANSI Z.400-1, Asian variants of UN-GH,
- Generation of exposure scenarios in accordance with ECom XML standard,
- Continuous updates of
- reviewing relevant national and international legislation,
- national limit values in various countries,
- transportation regulations,
- hazardous substances database, including all substances of Annex VI (CLP)
- Generation of individual phrase databases, derived from an inventory of more than 25.000 entries,
- Employment of EuPhraC standard phrases, Release 1.1 (Main and ES),
- Non-disclosure agreement and liability insurance
- Field experience since 1993, documentation in accordance with ISO 9001 standards,
- Delivery of data via email, on the web or on CD.

### Operationing system /System requirements:

Windows XP or later (SUMDAT Software only)

### Contact person:



Qualisys GmbH  
Kathrin Lanz  
Bahnhofstraße 40  
D-40764 Langenfeld  
Germany

Phone: +49 (0)2173/399 16-27  
Fax: +49 (0)2173/399 16-16  
E-Mail: [info@qualisys.de](mailto:info@qualisys.de)  
Internet: [www.qualisys.de](http://www.qualisys.de)

## 2.23 The WERCS® - The WERCS, Ltd.

For more than 20 years, The Wercs, Ltd., has provided software tools to automate the authoring, managing and distributing of material safety data sheets (MSDSs) and other critical hazard communication documents. The company is known globally for its core product, The WERCS® (Worldwide Environmental & Regulatory Compliance Solution).

The WERCS has established itself as the chemical industry's safest long-term solution by providing: advanced functionality, regulatory leadership, global compliance, integration capabilities, and innovative technology development. Also, The WERCS provides multiple services through its wholly owned subsidiary, Wercs Professional Services. (<http://www.wercsprofessionalservices.com>)

By seamlessly integrating with the sales order, formulation and product inventory modules of most major ERP systems, The WERCS provides a hazard communication solution which goes beyond authoring, managing and distributing MSDSs. The WERCS' unique insight into a company's operation, allows it to address specific functionality related to:

- REACH
  - Substance Inventory Management
  - Interface with IUCLID5
  - Downstream Users Portal
- Electronic Chemical Approval Process
- Global Transaction Monitoring (non-compliant, stop-order)
- Customer Declaration Letters
- Transportation Hazard Classification
- Domestic and International Regulatory Product Analysis
- Global Harmonized System (GHS) and 29th ATP Adaptation
- Label Creation
- Inbound MSDS Management
- Customizable Multi-lingual User Interface
- VOC/HAPs Reports
- Web/XML

Founded in 1984, The Wercs initiated the development of a global regulatory compliance system for GE Silicones. In 1988, this system was rolled out in 12 languages to GE's business units around the world. Since that time, many Fortune 100 and 500 companies have chosen The Wercs as the cornerstone to their environmental health and safety (EH&S) departments.

Today, The WERCS represents the thoughts, wants and needs of numerous industries, including pharmaceutical, petroleum, plastics, paints and coatings, food ingredient, agriculture, biotechnology as well as many others. By incorporating an annual user meeting, clients are kept informed of latest upgrades and best practices. New users benefit by having a product that is functional immediately "out-of-the-box."

### System Requirements:

Per Request

### Contact:



Belgium Office  
Abveldstraat 21  
B-2880 Bornem  
Belgium

Phone: +32 473 88 35 07  
E-Mail: [europa@thewerks.com](mailto:europa@thewerks.com)  
Internet: [www.thewerks.com](http://www.thewerks.com)

## 2.24 TRASYS - TRASYS s.a., n.v.

TRASYS is an independant system integrator consultancy and services company, originally the IT branch of the engineering services of the Suez group. Since 10 years we are now experts in the domain of EHS & compliance for International legislations. Since over 5 years we are serving the European Institutions, Industry Associations and Global Chemical + related Industry for REACH.

In the Public Sector, we are well known through our projects achievements working for the European Chemical Agency and the DG Environment from the European Commission. TRASYS has implemented with Technidata all the IT systems used for REACH, namely IUCLID 5, REACH-IT, ES/CSA/CSR, SIEF management system from CEFIC.

For the Industry, we deliver a unique service offering: from the IT strategy to assessing the right IT system for managing all the EHS data in the company to the full systems implementation, support and maintenance. These systems enable the compliance team to collaborating with customers, suppliers, sales, R&D department, production.

Partnering with SAP, Technidata, non SAP software vendors but also with extremely professional legal and risk assessment/compliance expert firms like Arcadis, ERM, DentonWilde Sapte and Mayer Brown, TRASYS has developed the euroREACHout complete service offering. We have the unique capacity of outsourcing completely a REACH or EH&S project from IT, legal, technical, scientific and organisation point of view and supporting you in your EH&S implementation.

### System Requirements:

Per Request

### Contact:



TRASYS s.a., n.v.  
6c terhulpesteenweg  
B-1560 Hoeilaart  
Belgium

Phone: +32 2 773 87 24  
E-Mail: [christiane.vonderpahlen@trasys.be](mailto:christiane.vonderpahlen@trasys.be)  
Internet: [www.trasys.be/euroreachout](http://www.trasys.be/euroreachout)

## 2.25 SDB Writer – Toxolution GmbH & Co. KG

The Toxolution GmbH & Co. KG helps you to create and write safety data sheets. With the SDB Writer you will receive a software program that allows you to create and manage ready to use and legally compliant material safety data sheets by yourself.

With the SDB Writer you can quickly and easily create safety data sheets. You compose your material safety data sheets from more than 2000 different text phrases (the European phrases catalogue EuPhraC can be extended without limits). Phrases and classification wizards will support you with the selection and help you to create legally compliant data sheets in accordance with the applicable legal requirements. If necessary, the SDB Writer automatically translates material safety data sheets in up to 32 languages.

With the integrated management tool, and our software maintenance service, we adapt the program to new laws and regulations. For example REACH and GHS have been integrated in 2009 and 2010 and chemical safety reports, exposure scenarios and classifications based on NFPA and HMIS are currently integrable on demand. If you want we will train you to operate the program, also at your site.

For "Safety Data Sheet-beginners" we also create ready to use material safety data sheets that can be used directly as template in the SDB Writer, if desired.

### General information:

- Can be used as stand-alone and network-system
- Modular design - buy only the modules you need
- Hazardous substances database with more than 10,000 substances
- Hazardous substances database extendable without limits
- More than 2000 different text phrases (European phrases catalogue EuPhraC) deposited
- Classification assistant for calculating the classification according to EC directives and GHS
- Output of safety data sheets as Word and PDF document (Word templates are customizable)
- All modules can be upgraded at any time
- Automatic adjustment to current legal requirements
- Automatic data exchange with other Toxolution hazardous substances programs

### Integrated into Toxolution hazard substances software network

Like all Toxolution hazardous substances programs the SDB Writer also uses the centralized Toxolution hazardous substances database. Therefore the substance data can also be used for creating hazardous substance labels, operating instructions, for substance evaluation (workplace evaluation) and e.g. for joint storage monitoring.

### Contact:



Address: Toxolution GmbH & Co. KG  
Bruchstrasse 54  
D-67098 Bad Dürkheim

Telephone: +49 (0) 6322 94 56 11  
Fax: +49 (0) 6322 94 56 29

E-Mail: [info@toxolution.de](mailto:info@toxolution.de)  
Internet: <http://www.toxolution.de/>