

MSDS Authoring

3E Company's MSDS Authoring services provide cost savings and process improvement. Outsourcing the authoring of MSDSs can result in improved compliance, productivity gains and cost control.



ONTIME

Overview

3E's MSDS Authoring services assist manufacturers, distributors and users in conveying critical hazard communication information to their employees and downstream customers, in accordance with global regulatory requirements. 3E's own multi-lingual staff of dedicated, highly qualified authors create, analyze and manage globally compliant (M)SDSs and product label content covering regulatory and language requirements for more than 50 countries. Authors can format (M)SDSs to be compliant with ANSI, GHS, REACH and all of the major global requirements such as Japan, EU, USA and Canada, producing compliant documents that meet the needs of customers' most complex requirements, including:

- Meeting ingredient and hazard classification disclosure regulations in all appropriate countries
- Multiple-language (M)SDSs, including double-byte characters
- Providing toxicological and eco-toxicological evaluations and determination, including hazard classification, labeling and workplace exposure limit settings
- Providing domestic and international transportation determination including air, water and land

(M)SDSs are created by leveraging Ariel aggregated regulatory data, which is also used by 70% of the world's largest chemical manufacturers on a daily basis. The breadth of countries covered and depth of regulatory information provided by this data offers unprecedented support for identifying, monitoring and complying with ever changing EH&S requirements.

Flexible Options

3E can assist companies a variety of ways.

Customers can fully outsource all authoring to 3E, or a co-sourcing arrangement works well for companies who have made significant investment in expensive technology such as SAP®, The WERCs®, ProSteward, or 3E's platform, MSDgen®. For in-house staff that is over-burdened, a co-sourcing scenario works well as the company provides the 3E team access to its software and technology for authoring activities.



3E
COMPANY
A Verisk Analytics Company

**Trusted Global Provider of Chemical,
Regulatory & Compliance Information Services**

The 3E Difference

3E retains a highly capable team of authors, who are 3E employees, not sub-contractors or consultants, and are accessible to customers throughout the (M)SDS production process. The Authoring Team comes from a variety of disciplines including product safety and stewardship, chemical engineering, business process engineering and chemistry, and from different industry backgrounds including chemical, process, consumer product and pharmaceutical manufacturing. Authors reside in 3E's U.S. and European offices. These (M)SDS Authoring Centers of Excellence are linked by shared best practice processes, shared customers and cross training to ensure that every customer receives the benefit of diverse

experience and knowledge. Through professional associations and participation on government guidance panels, 3E's domain experts have trained industry personnel on authoring globally compliant documents. The team also uses Ariel aggregated regulatory data, expert rules and a standard health and safety phrase library available in dozens of languages. The foundation of all Ariel products and services is built upon regulatory research, data and information. The massive aggregation of regulatory content is refined and maintained by 3E's own team, who has direct relationships with regulatory bodies across the globe. In short, 3E owns the content, the underlying technology and the people who deliver the ultimate product. This stands in

stark contrast to other vendors who may buy the bulk of their content from a third party, and then simply repackage and resell it.

Confidentiality

All proprietary information shared with 3E for the purposes of authoring MSDSs will remain confidential. The final 3E-authored MSDS is also property of the customer and will be made available to end user customers, or kept confidential, in conformance with the client's policy.

Benefits

Improved Liability/ Risk Management

Automated expert authoring logic is applied for consistency within, among and between authored documents. All documents are written using the most current and comprehensive global regulatory data as a reference.

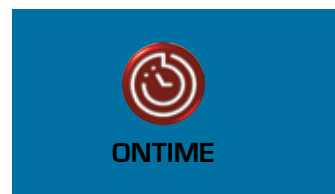
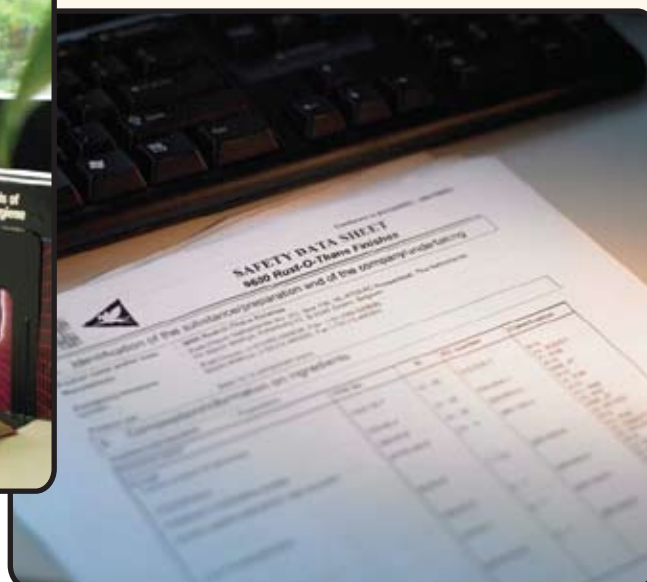
Increased Cost Efficiency and Control

Outsourcing authoring can provide flexibility by shifting fixed costs into variable expenses driven by business needs. Full outsourcing can also reduce hardware, software and maintenance investment.

Increased productivity

Outsourcing enables companies to eliminate regulatory tracking, change management and training, freeing up EH&S staff to focus on other strategic functions.

Each of 3E's services comes with a variety of options and enhancement modules that can be configured based on a customer's EH&S information management needs. Contact us for more information today.



Beyond Authoring

Proactive Regulatory Change Notification

Authoring services can be extended to include proactive notification of regulatory changes that could impact the compliance of documents previously authored on behalf of the client.

Emergency Response

3E can provide emergency response support via 3E ER Hotline for Products, which is the placement of 3E's 24-7-365 toll free telephone number on the (M)SDS. Authoring customers can use this number to provide preliminary emergency response contact to

personnel handling the product in the U.S. as well as other countries throughout the world.

Vendor MSDS Management

3E Online-MSDS provides a way to manage externally created (M)SDS associated with raw materials, expanded, distributed brands, lab and maintenance chemicals as well as other chemical inputs used in the manufacturing process. 3E provides 24-7-365 access to its extensive database of millions of (M)SDS as well as its dedicated staff of EH&S professionals who maintain relationships with thousands of

manufacturers from whom they obtain (M)SDS on a daily basis.

MSDS Distribution

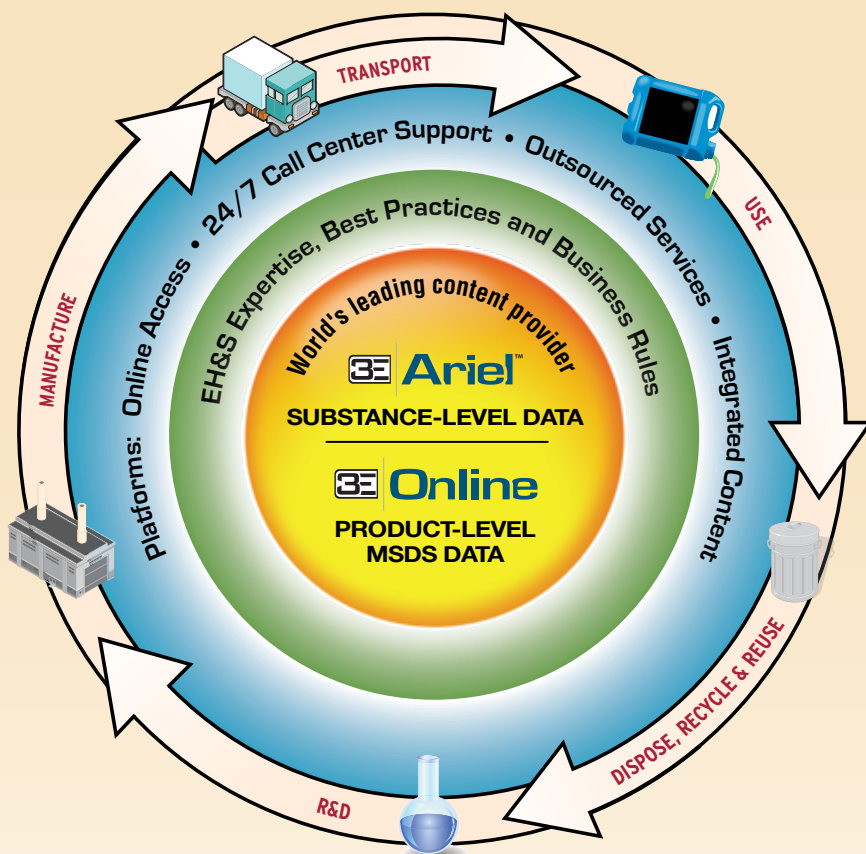
Authoring can be conveniently extended to include distribution services, providing downstream end-user customers a way to access (M)SDS, whether it be via a website maintained and hosted by 3E, a scheduled delivery of (M)SDS to a customer via fax, email, postal mailing or a link provided by 3E to the manufacturer or distributor's website.



Outsourced MSDS Authoring

Full Chemical Lifecycle Management

3E Company's comprehensive suite of data products and information services enables improved compliance with global Environmental Health & Safety (EH&S) requirements related to the safe manufacturing, distribution, transportation, usage and disposal of chemicals and hazardous products. Whether you are a manufacturer, distributor, transporter, retailer or corporate user of chemicals or hazardous products, 3E can deliver a program specific to the EH&S compliance information and management needs of your organization that provides benefits to the entire enterprise and throughout the supply chain. 3E Company's full product lifecycle and supply chain approach provides a single, integrated solution for managing EH&S capabilities, resulting in reduced cost, risk and liability while improving business and compliance processes.



EH&S Challenges

With the spotlight shining brightly on EH&S compliance, companies are challenged with finding effective ways to address the complexities and intricacies of EH&S compliance management. Not only do these challenges stem from a constantly-changing regulatory landscape, but also from a scarcity of newcomers to the EH&S field, and pressure on EH&S departments to manage increased responsibility with fewer resources. Addressing these issues requires broad and deep domain expertise—expertise that doesn't always exist within the company. And if it does, this expertise is probably best utilized by driving the company's overall compliance strategy, not bogged down with paperwork or the administrative burdens associated with maintaining compliance.

EH&S Solutions

At 3E Company, we understand the business and the burden of EH&S information and compliance management. 3E Company is a comprehensive, one-stop solution for content, tools and services for companies that want to take effective leadership and control of their product stewardship and EH&S compliance activities. 3E's products and services help companies make the transition from simply managing for compliance, to cutting-edge product stewardship practices that deliver tangible and sustainable business results.

Locations

CORPORATE HEADQUARTERS
3207 GREY HAWK COURT, SUITE 200
CARLSBAD, CA 92010 USA
TEL: +1 760.602.8700

Ariel U.S. Authoring &
Related Services Center
Building P2
137 Regional Service Park Drive
Kingsport, TN 37660 US

Ariel Global Product Development & Operations
4520 East West Highway, Suite 440
Bethesda, MD 20814 USA

3E Company Europe
Lyngbyvej 20, 3
DK 2100 Copenhagen Denmark
Tel: +45 70 22 81 70

Visit WWW.3ECOMPANY.COM today to learn more. For more information contact us at 1-800-360-3220 or info@3ECompany.com.

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