Ariel™

ⓘ Ariel Data Manager™ (ADM)

ADM enables the upload and maintenance of up-to-date, global chemical regulatory data to corporate ERP and EH&S systems. Tracking regulatory changes and understanding their impact on your business has never been easier.

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Overview

An Ariel EH&S Decision Support product, Ariel Data Manager (ADM) enables integration with a customer's EH&S applications, facilitating increased operational efficiencies and informed decision making.

Comprehensive, centralized global regulatory information is essential for overall product and facility compliance. ADM can provide the relevant information required for making critical decisions related to a number of business issues that have to be considered when manufacturing and shipping products, such as:

• Making sure Material Safety Data Sheets (MSDSs) are compliant within the markets in which the products are sold

• Identifying regulatory authorities who require notification when exporting

• Knowing which agencies have to be notified in the event of a chemical release or spill

• Ensuring safe storage, handling, transport and disposal of substances

• Ensuring products can be sold in the intended markets

How To Use

Ariel Decision Support Products have been proven to increase efficiencies, streamline processes and save EH&S professionals valuable time. Regulatory Compliance Specialists, Toxicologists, Industrial Hygienists, MSDS Authors, Material and Emission Specialists and Transportation and Logistical Specialists rely on Ariel content everyday. A variety of professionals with a wide range of EH&S responsibilities can enjoy the benefits of ADM.
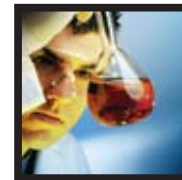
For example, the classification according to EU Directive 67/548/EEC for zinc powder may be reviewed within ADM. Depending on whether the chemical has been stabilized or is in a pyrophoric state at your company, the appropriate classification can be selected in ADM and served to downstream applications allowing the MSDS Author, Transportation Specialists and others to consistently reference the appropriate classification. As needed, substance variants may be maintained to support chemical and hazard differences such as the hazards that are applicable when a substance is in a free flowing state and those that are applicable when the same substance is in an encapsulated state.

Features that support the review of Ariel content at a component level or at a product level and the export of information into common applications such as Microsoft® Excel are also provided.

serving as a single repository of regulatory content residing inside your firewall. Accessing content from a single source for use in multiple applications within your enterprise also enables data integrity.

ADM retrieves the content relevant to your business via the web utilizing secure HTTPS protocol XML messaging. Prior to loading Ariel content into your system, the content may be reviewed and arranged for viewing in a variety of formats, such as by regulation (regulatory tree) or by component (component tree). Loading decisions are recorded at the substance level in a local centralized database so that future data maintenance is efficient and painless. Impact analysis offers a complete view of changed elements by displaying the latest Ariel regulatory data alongside the regulatory information previously stored, providing additional insight into the impact of regulatory change on your business. For example, as regulatory changes occur and the corresponding content updates are processed, the recorded loading decisions are used to determine whether content changes are filtered or are passed to downstream applications.

How It Works

Regulations are constantly changing. EH&S professionals are required to track hundreds of regulations in many jurisdictions as they apply to thousands of substances. Not only are they required to track the information, but to act on it, making informed decisions. ADM provides users with easy and efficient change management and impact analysis. It also supports security and privacy by

3E COMPANY
A Verisk Analytics Company

Trusted Global Provider of Chemical, Regulatory & Compliance Information Services

Foundation

Regulatory Content- The 3E Difference

At the core of 3E's Ariel EH&S Decision Support products and services is the massive global regulatory content aggregated, refined and maintained by 3E's own team using documented best practice methodology, and through 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 re-package and resell it.

The data includes product safety, EH&S legislation and directives on import/export, hazard communication, workplace safety, notification, reporting and prohibitions on the marketing and use of hazardous substances. The Ariel

Global Research Team supports research for hundreds of regulatory lists covering thousands of data elements. Regulatory lists that could directly influence your business processes and your compliance practices are available for integration via ADM. Informational regulations and access to the full-text of regulations and compliance guides are available through a subscription to Ariel WebInsight, 3E's flagship online reference product, which seamlessly integrates with ADM.

More than 300 multi-national organizations, including 70% of the world's largest chemical manufacturers, rely on Ariel's up-to-date, accurate, multilingual content on a daily basis. The breadth of countries covered and depth of regulatory and legislative information provided offer unprecedented support for identifying, monitoring and complying with ever-changing EH&S requirements.

3E's Regulatory Research Specialists

3E's own team of specialists research, procure and update the global regulatory content that is delivered by Ariel EH&S Decision Support products and services. The Ariel Global Research Team has the experience, contacts and language skills needed to keep current with changing regulations. Ariel content is based on official government sources in their respective countries. The Ariel regulatory team consists of professionals with legal expertise and active relationships with government agencies around the world that provide assistance in procuring and analyzing legislation. The team has extensive language skills to facilitate translations and dialogue with appropriate regulatory bodies.

Content Modules

Regional Product Safety Coverage

ADM's regional regulatory modules provide extensive coverage of regulated chemicals throughout the world at multiple levels of jurisdiction, from internataional, U.S. federal and state, to European Union (EU) member and non-member states. From ADM, a context sensitive link is provided to WebInsight, providing access to the comprehensive collection of content. The native-language laws and regulations are provided for those countries where an official English translation is not available. To support compliance efforts, practical overviews and compliance guides provided by the Ariel Global Research Team are available in English. Reference data is updated monthly and the data served by ADM is updated quarterly to ensure currency. Users can subscribe to any or all of the regional regulatory modules, which include:

North America
Western Europe
Central & Eastern Europe
Latin America
Asia-Pacific
Middle East/Africa

ADM's Global Inventories module provides comprehensive and easy-to-use national inventory coverage. Newly published inventories are incorporated as they are released.

Inventories include:
• U.S.A.
• European Union
• Switzerland
• Canada
• Australia
• New Zealand
• Korea
• The Philippines
• Japan
• China

Physical, Chemical, Toxicological and Eco-toxicological Content (PCTEC)
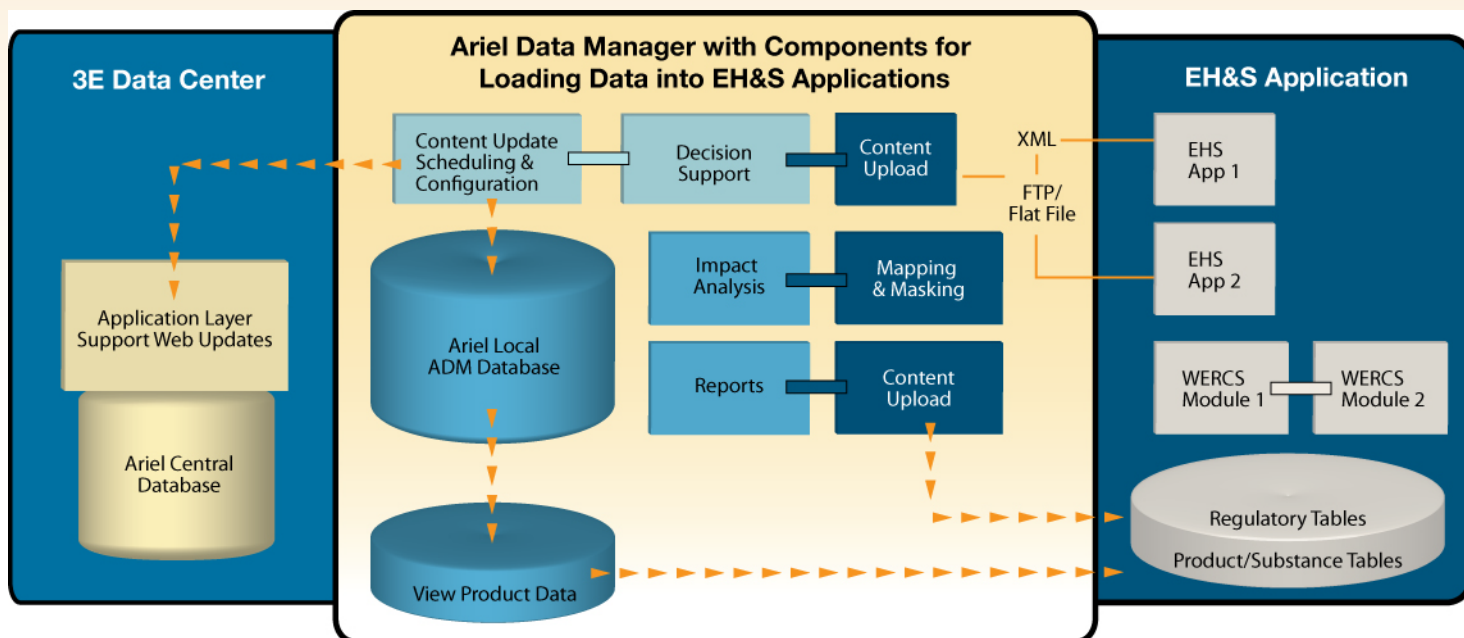
ADM's chemical property and hazard data provides in-depth physical, chemical, toxicological and eco-toxicological data for nearly 8,000 of the most common substances. Understanding the physical and chemical properties as well as the toxicity and eco-toxicity of substances used in product formulations helps EH&S

professionals make informed decisions related to the impact of the chemicals, their processes and their products on their workers, the workplace and the environment.

Requirements

What you need
• Subscription to Ariel Content: Pick and choose based on the unique needs of your organization
• Software: Client software, loader application and maintenance contract
• Services: Installation, loader development assistance, training and content maintenance assistance

Ariel Data Manager with Components for Loading Data into EH&S Applications

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Features

Regulatory and Component Filters
User-defined regulatory and component filters enhance the application workflow and make it easy for users to define regulatory scope, analyze regulatory changes and upload data into their host EH&S application.

Impact Analysis
Identify the impact of regulatory change on the substances in your EH&S database and streamline the process of performing regulatory updates. Create detailed reports on the changes in regulatory values and utilize those reports to significantly decrease the time it takes to keep your EH&S system up to date.

Generics Support
Make decisions regarding the applicability of regulatory groups ("generics"). Ariel generics support enables you to select the right group of chemicals and save your decisions for future use. Users can automatically apply the same generics decisions to multiple chemicals.

Data Sync
The Data Sync mechanism provides the ability to schedule content updates via a CD or over the Internet. The tool operates entirely in the background and synchronizes your local database with the Ariel central server.

The WERCS Loader
ADM features tight content integration with The WERCS application. The WERCS user benefits from the enhanced decision support functionality, improved mapping and masking features, and the behind-the-scenes data loading mechanism.

Highly Secure
All product and formulation information remains inside the customer's firewall. The local regulatory database is kept up-to-date using highly secure HTTPS protocol. Integration with Ariel Reference Products
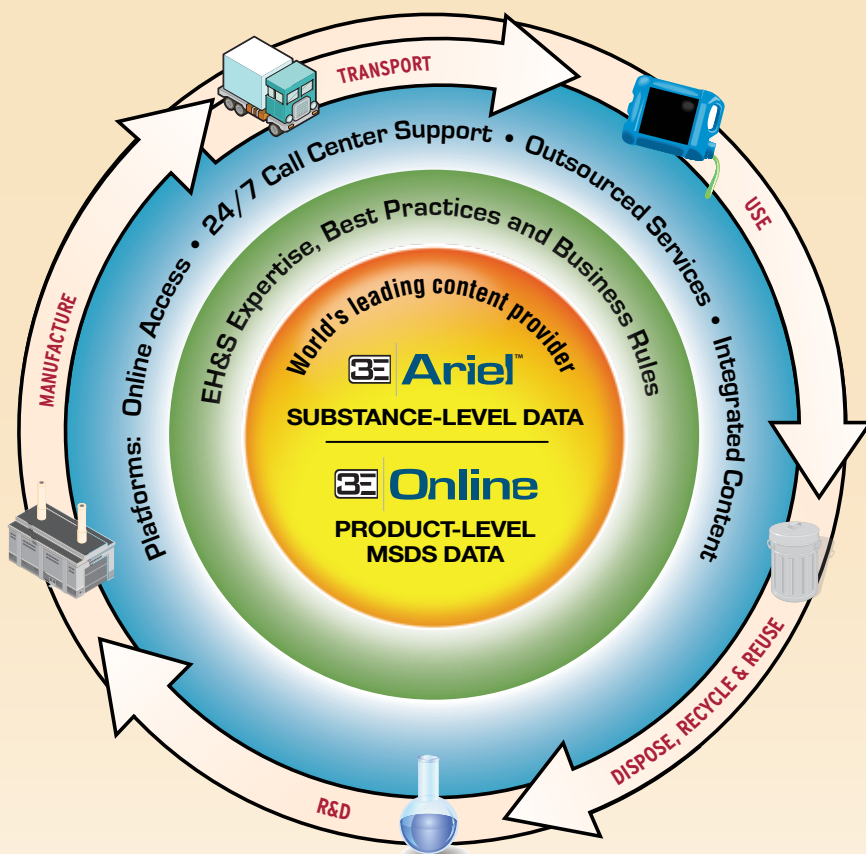
Integration with Ariel Reference Products
ADM seamlessly integrates with Ariel Webinsight, 3E's online web-based global chemical regulatory compliance tool.

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

Ariel Data Manager

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.

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