



## MSDS Authoring and Distribution

MSDS Authoring and Distribution, or Outbound MSDS Management, is designed to meet the regulatory requirements of a number of jurisdictions, both domestic and foreign. The requirements of the ANSI format and the EEC needs have been used in the development of this system. It also supports the UN's Global Harmonization (GHS) and REACH requirements.

Companies that produce MSDSs have unique customer and regulatory requirements. For that reason, a special solution is needed for data processing for material safety data sheets. Quantum Compliance Systems has considered the needs of a number of companies that must produce and distribute MSDSs and provides a solution for such needs.

The intent of the generation system is to meet the regulatory requirements of a number of jurisdictions, both domestic and foreign. The requirements of ANSI format, the EEC and GHS needs have been used in the development of this system.

The product incorporates the following functions:

- Construction of a data sheet with varying formats (including GHS)
- Supports MSDS in any language
- MSDS population based on algorithms. (ingredients, characteristics, list membership)
- Interface with external formulation database to automatically generate MSDS data based on bill of materials (recipe)
- An intelligent system to hold one set of MSDS data and generate MSDS with different Marketing names and logos.
- Capability to do updates of multiple sheets at once
- Ability to include non-standard phrases (user defined), sentences or paragraphs
- The ability to hide comments or citations when printing out the sheets to preserve internal confidentiality upon outside distribution of these sheets
- Automatic conversion of flash and boiling points from F to C, C to F
- The inclusion or exclusion of ingredients on a printed MSDS
- Supports interfaces to labeling systems
- A List-of-Lists link to make comparisons and exception reports
- A logical triggering system for the distribution of the data sheets
- Audit trail records for sending the data sheets to a customer or requester
- Links to an order entry system to facilitate distribution of the sheets
- A revision indication for quickly ascertaining changes and alterations
- EDI delivery capability upon setting up the EDI format as an output template
- A routing system for sign-off, concurrence, or similar

These functions are found in a number of FacTS™ features, and the company generating the sheets can select from the features needed in order to satisfy the needs of the company at this time while also allowing for future growth and development.



## DOCUMENT DELIVERY

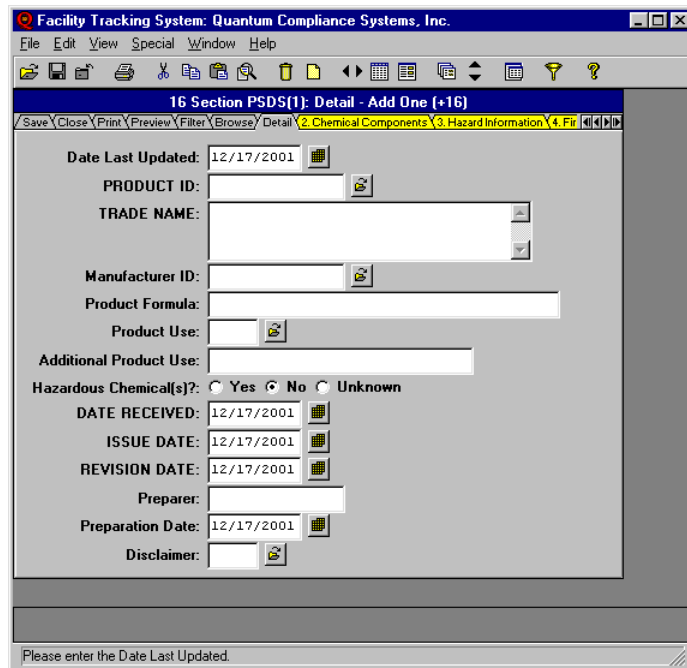
This feature automates much of the labor required to distribute material safety data sheets to clients, whether they are internal or external to the company. The automation minimizes the labor required to distribute your MSDS. Customer records are maintained in FacTS and keep a history of the MSDSs that have been sent. New orders are reviewed to determine the need to print out an MSDS, using predefined programming triggers, such as a revision to an MSDS or a first time order. Users can write standard letters to accompany the MSDS within FacTS. Once the system has been flagged that a MSDS is required, FacTS prints out a user-defined, language and region specific form letter and appropriate MSDS for the customer.

## MSDS ALGORITHM

This feature allows the user to create and populate an MSDS from ingredient or characteristic based rules. Using the Algorithm feature, companies can associate various standard phrases to their MSDS at the chemical ingredient level. Users have control over the algorithms that assign priority to these standard phrases when one or more is applicable to an MSDS. In addition, multiple identifying lists such as EINICS and RTECS numbers can be referenced against each chemical ingredient and used to trigger information on the data sheet.

## TEMPLATE DESIGN

The Template Design tool allows you to choose exactly which data elements you would like to maintain in your MSDS. Unlike the MSDS stored in the FacTS Base System, Template Design opens the format and content of the MSDS to meet your requirements, including foreign languages. From the ground up, the user has control over each field that appears in the MSDS. Once the building blocks of each data sheet have been defined, standard formats, called templates, are created which control the output and appearance of the MSDS. Taking into account the need to send your MSDS to locations with varying requirements for labeling or formats, more than one template can be created and stored in the system. The template output can utilize many standard formats such as HTML or Word RTF format.



Facility Tracking System: Quantum Compliance Systems, Inc.

File Edit View Special Window Help

16 Section PSDS(1): Detail - Add One (+16)

Save Close Print Preview Filter Browse Detail 2. Chemical Components 3. Hazard Information 4. Fir

Date Last Updated: 12/17/2001

PRODUCT ID:

TRADE NAME:

Manufacturer ID:

Product Formula:

Product Use:

Additional Product Use:

Hazardous Chemical(s)?:  Yes  No  Unknown

DATE RECEIVED: 12/17/2001

ISSUE DATE: 12/17/2001

REVISION DATE: 12/17/2001

Preparer:

Preparation Date: 12/17/2001

Disclaimer:

Please enter the Date Last Updated.