

Reach Compliance Powered by SAP MDM



Applies to:

SAP EH&S 7.0, SAP MDM SPO4/05/06 For more information, visit the [Master Data Management homepage](#).

Summary

This Article proposes Data Management Solution for achieving REACH Compliance

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Table of Contents

Business Scenario	3
REACH Legislation: a Snapshot.....	3
REACH Data and information flow across the supply chain	3
Pain Area	4
What is IUCLID?	4
REACH Data Requirements.....	5
Solution Roadmap	5
REACH Data Strategy:	5
Proposed Data Management Solution	6
Related Content.....	7
Disclaimer and Liability Notice.....	8

Business Scenario

A burning issue truly. Is it really possible to reach REACH? Worldwide Chemical manufacturers and traders being down under, MDM emerges as the harbinger of hope -the Messiah to shoulder the responsibility of Data Management. Let us understand at the outset what is REACH all about? What are the Problems? What are the Prospects of solving the Problems?

REACH Legislation: a Snapshot

- REACH stands for Registration, Evaluation and Authorization of Chemicals
- Approved in December 2006 by European Union Council and Parliament
- Impacts estimated 30,000 chemical substances imported or produced in the European Union (EU) in quantities greater than one metric ton
- Impacts importers, manufacturers, and downstream users
- June 2007 REACH goes into effect
- Multi-phase approach
- June 2008 start Pre-registration, European Chemicals Agency

REACH Data and information flow across the supply chain



Pain Area

REACH requires compliance from manufacturers/ importers of Chemicals doing business in or with the European Union. It requires a lot of information on the Chemicals - their usage - whether hazardous etc, information on the manufacturer and various other such information to be submitted to ECHA. This submission has to be done using IUCLID5 file formats specified by ECHA

The data required may be scattered in different systems of the company that has to comply with REACH or it may not exist in entirety even across the systems landscape. Many Chemical companies are using SAP Environment Health & Safety (EH&S) but standard EH&S does not have all the data required for the various dossiers. These dossiers are required to be submitted depending on the tonnage of the Chemical manufactured or imported. For example standard EHS has

Around 25% of data required for Annex VI

Around 70% of data required for Annex VII

Around 40% of data required for Annex VIII

Almost nothing for Annex IX

In addition there is possibility of duplication of chemicals existing within SAP EH&S itself and between SAP EH&S and different Legacy that may exist in the system landscape. There is also the possibility of many to many mapping between Material Master of SAP ERP and Substance of SAP EH&S.

What is IUCLID?

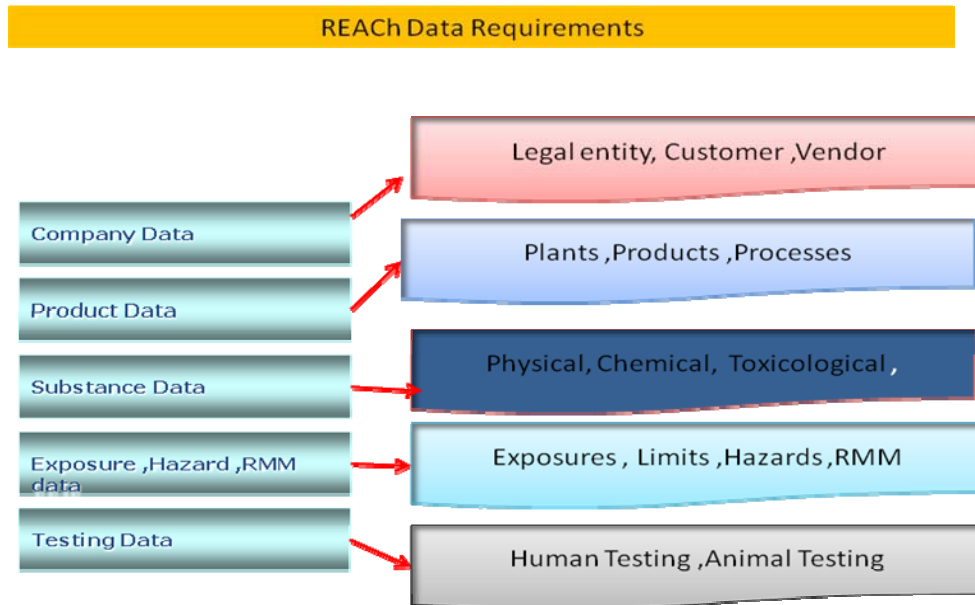
IUCLID (International Uniform Chemical Information Database) is a software application to capture, store, maintain and exchange data on intrinsic and hazard properties of chemical substances.

It has been developed by European Commission.

It is a key software application essential for chemical industry to comply with the new legislation

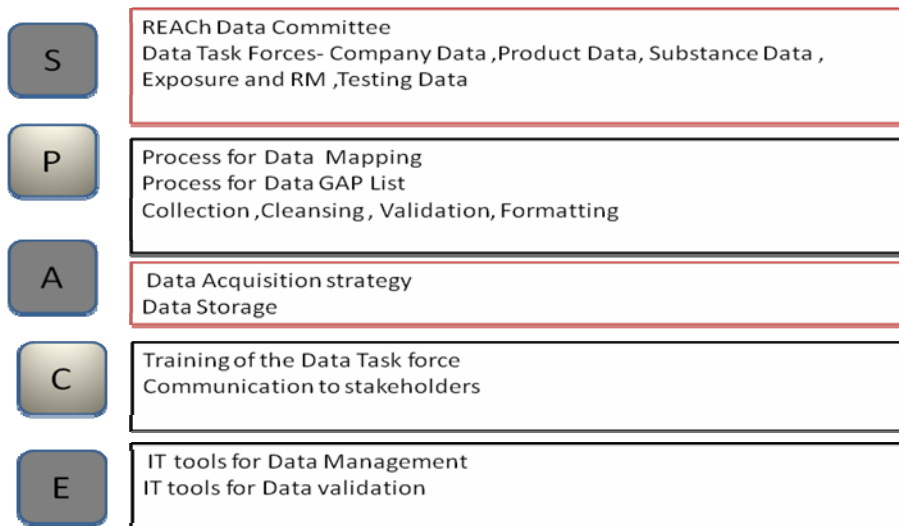
This freely downloadable tool will assist chemical companies globally in fulfilling their obligations to submit data to the Agency under the REACH legislation.

REACH Data Requirements



Solution Roadmap

REACH Data Strategy:



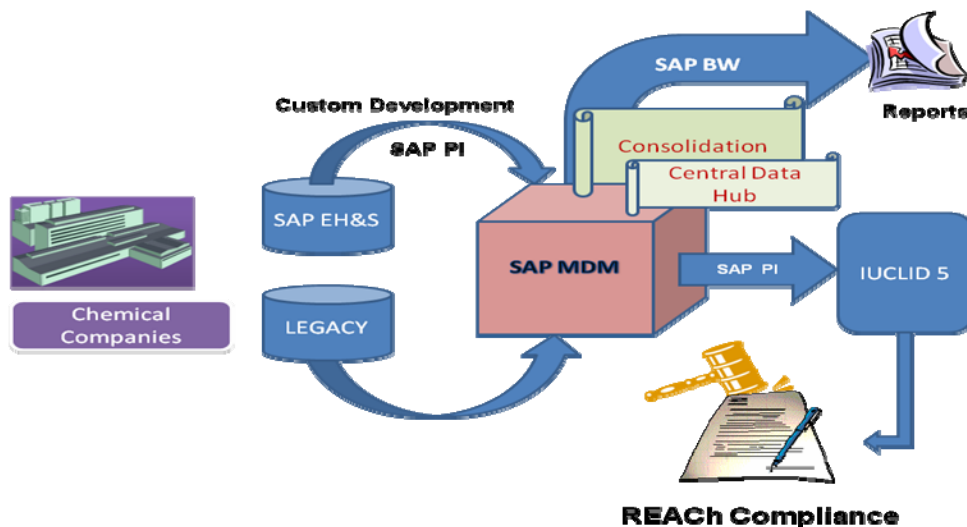
Proposed Data Management Solution

The solution framework should enable corporates to take care of their REACH Data submission requirements using SAP Master Data Management (MDM) in the general environment that exists in chemical companies of SAP Environment, Health and Safety (EH&S) and different legacy.

SAP MDM can be used for the consolidation of data from multiple source systems and then harmonization of the data in the form of IUCLID5 files for REACH compliance. It can also be used for enrichment to provide previously non-existent data that may be required for REACH.

In the current state, data from SAP EH&S is not readily available. Therefore custom development may be required to extract data from SAP EH&S. Moreover the data generated will not be of use or understood by the complying company apart for REACH compliance requirements. SAP BIW reports can be developed to take care of this.

The proposed SAP MDM solution would consolidate, create where missing, and provide data that not only can be submitted for compliance but also trusted by customer.



Related Content

Please include at least three references to SDN documents or web pages.

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For more information, visit the [Master Data Management homepage](#).

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