HMEx ASSISTANT

FOR FIRE & BUILDING CODE OFFICIALS

CHALLENGES

As a fire or building code official, you need hazardous materials pre-classified and summarized by hazard class and area, or you can't approve the proposed occupancy, construction plans or permits… resulting in project delays.

You also have to…

VALIDATE HAZARD CLASSES

Validate the hazard classes assigned to inventory chemicals on Hazardous Materials Inventory Statements (HMIS) submitted by architects, design consultants and facility owners for construction projects and fire inspections.

EVALUATE QUANTITITES

Compare inventory quantities with maximum quantity limits set by the fire and building code.

CONFIRM OCCUPANCY CLASS

Confirm the occupancy classification based on the chemical inventory.

IDENTIFY RESOURCES

Identify resources that make it easier for facility owners, architects and consultants to create and maintain chemical inventories, properly classify chemicals, generate summary reports, and demonstrate compliance with quantity limits.

So, how do you quickly verify chemical classifications so you can confirm quantity limits aren't exceeded – at a price within reach?

HMEx was initially developed in the early '90s and has been used by thousands as the industry's only chemical database for classifying hazardous materials for fire and building code applications endorsed by the International Code Council (ICC).

Now it's cloud-based, updated, and includes a modern chemical inventory manager – as the industry's #1 best-selling inventory and classification tool.

There are FIVE main reasons to consider HMEx

1) ONE OF THE BEST CHEMICAL DATABASES

Unlike manual research that can literally take hours if not days, or incomplete existing databases, HMEx gives you access to critical fire and life safety data for thousands of chemicals in one place, allowing you to validate chemical information in minutes, not hours. Features include:

Physical and chemical properties

Displays boiling point, melting point, flash point, autoignition temperature, LD50, LC50, LFL, UFL, molecular weight, specific gravity/ density, vapor density and vapor pressure.

Having critical data you need to evaluate the potential hazards of a material consolidated in one place saves time.

Regulatory limits

Provides threshold limits and reporting quantities for federal regulatory programs including, SARA, CERCLA, CAA, and OSHA PSM. Having a heads up whether any of these federal programs regulate a material

helps you avoid potential fines and penalties for failing to comply.

DOT shipping information

Listed and correlated with 49 CFR Hazardous Materials Table 172.101. Easy access to up-to-date DOT shipping names and hazard class information can help keep you in compliance.

Firefighter hazardous materials warning placards

HMEx uses IFC Appendix F based on guidelines found in NFPA 704, *Standard System for Identification of the Hazards of Materials for Emergency Response,* to develop and display hazard ratings needed to alert emergency responders and comply with building signage requirements.

This minimizes the need to look through individual material safety data sheets, and it helps make sure the ratings are in the right place on NFPA 704 placards.

Screen chemical incompatibilities

Methodology developed by FEMA/DOT/ EPA allows you to screen the

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consequences of the inadvertent mixing of two materials. This helps when addressing requires separation distances and avoiding catastrophes caused by mixing incompatibles.

2) OFFERS THE BEST CHEMICAL CLASSIFICATION FOR HAZARDOUS MATERIALS

Unlike most chemical databases that do NOT include fire and building code hazard classifications, a simple search in HMEx ensures materials are properly and consistently classified for code compliance.

IBC/IFC compatible classifications

Contains over 3,400 chemicals and 9,000 synonyms with hazard classifications correlated to the International Fire Code (IFC) and International Building Code (IBC). Saves you time and money and increases consistency across jurisdictions.

Identifies additional hazards for NFPA and OSHA

Identifies hazard classifications beyond the IFC and IBC, including irritant, sensitizer, carcinogen, radioactive, and other health hazards. Knowing more about a material's health hazards assists you with the implementation of NFPA 704 and OSHA's hazard communication system.

3) BEST CHEMICAL INVENTORY MANAGEMENT OF HAZARDOUS MATERIALS

Most generic chemical inventory management software is not designed for chemical classification of hazardous materials for fire and building code compliance. In contrast, HMEx empowers you to classify, create and keep your inventory in compliance with the latest fire and building code in a fraction of the time, and have more accuracy.

In-house Inventory Management

Empowers you to manage, classify, create and update your own chemical inventories and generate summary reports with a single system – minimizing the need for costly consultants.

Auto-populates Inventory Statement

Automatically populates your inventory statement with fire and building code hazard classes and NFPA 704 hazard ratings for chemicals found in the database. Saves time and money, reduces mistakes.

Automatically Evaluates Inventory

Compares inventory quantities with limits set by the code, automatically applies the quantity increases and decreases allowed based on the fire protection controls and location, and notifies you if they're over. Ensures accurate results, saves time, and reduces errors.

Data Exchange with External System

Import and export inventory data to and from external sources. Saves you time, minimizes manual data entry, and reduces errors.

Manage by Facility, Site, and Building

Simplifies managing inventories at complex sites. Users create and maintain inventories by company, site, facility, building, floor, and control area. Ensures consistency, adds organization, reduces mistakes, and simplifies updating where inventories are maintained by multiple users.

All of which encourage more frequent inventory updates and increases compliance.

4) ABSOLUTE BEST REPORTING

Instead of spreadsheets that require complex formulas, extensive formatting and often still lack all the information needed for approval, HMEx automatically creates Inventory Statements and Summary Reports that demonstrate competence and compliance, making it a breeze for code officials to review and approve submittals.

Standardized Hazardous Materials Inventory Statements (HMIS)

Inventory Statements display essential information for each chemical, including the amount confined to cabinets and whether it's contained in a pressurized system. Increases confidence that necessary variables have been considered and included in the summary and allowable quantity calculations, and helps with quicker permit and plan approval.

Hazard Class Summary Reports

Formatted to compare actual inventory quantities with maximum quantities allowed for each hazard class. Values that exceed allowable quantities or violate code requirements display red on the Summary Report, making it easy for you to confirm compliance and for code officials to review and approve.

5) STRONGEST INDUSTRY SECURITY

Extensive data security features include SOC 2 compliance, data encryption, firewall-secured operating system, infrastructure redundancy, multi-factor user authentication, data protection daily back-up, and ISO 27001 certification.

These features ensure your chemical inventory and facility data, as well as user and payment information, remain secure and accessible only to authorized users.

Plus, it is the price-performance leader!

HMEx includes the best features for the price. It saves the countless frustrating hours calculating maximum allowable quantities and building reports and potentially saving weeks of delays due to incorrect or incomplete chemical classifications.