

Internationalization

Deacom's Solution to Global Requirements

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the artisans of erp software

INTRODUCTION

International businesses are faced with a wide range of challenges in order to operate effectively in multiple countries. Each country requires different regulatory documents, language, shipping restrictions, currency, tax, and reports, making international compliance a top priority.

Deacom has taken the necessary steps to ensure its customers are able to meet these restrictions each time. With specific functionality written directly into the base code of the software, businesses can rest assured that data is always accurate.

REGULATORY DOCUMENTS

Each regulatory document is unique in its own way depending on the item, customer, and country. DEACOM ERP includes the Report Designer tool, providing users with the ability to create these types of documents based upon those unique needs. The most significant benefit of this tool is that it provides a repeatable report to meet regulatory requirements without requiring manual input during the time of printing.

GHS, SDS, and Labels

- SDS forms can be assigned on a system, item, and customer part level. All three levels can be used at once, as a hierarchy process is put in place to ensure accurate printing based on the client's needs.
- Regulatory data can be defined on an item-by-item basis with user-defined fields. These fields can then be added or removed from the regulatory document as needed.
- Documents can be printed as groups and assigned to individual customers giving the company streamlined operations, enabling process control, and preventing mistakes such as sending the wrong hazard document.

MSDGEN®

If customers wish to use the third-party software provided by MSDGEN®, Deacom has built an interface to sync all formula changes, shipments, and job completions. This ensures that required GHS documentation can be generated for customers who constantly change formulations and ship outside the United States.

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SAFETY DATA SHEET prepared according to G1/155/EEC guidelines
date issued: January 4, 2016
Deacom Demo 601 Lee Road Chesterbrook, PA 19087 P: --0 F: --0

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: FORMULA TEST
Code #: FORMULA TEST

CAS No: 71723207231
C.I. No: 878
C.I. Name: 878.1

Emergency Contact Number: 800 555 9300

SECTION 2: COMPOSITION, INFORMATION ON INGREDIENTS

Ingredient	CAS#	Wt%	ACGHUTLV	OSHA PEL	VP mm Hg
VINYL ACRYLIC RESIN	PROPRIETARY	20 - 50%	NG	NG	115@60F
WATER	7732-18-5	5 - 20%	NG	NG	17@55F

SECTION 3: HAZARDS IDENTIFICATION

Potential Health Effects:
Eyes: May cause moderate eye irritation.
Skin: May cause moderate skin irritation. May cause skin sensitization, an allergic reaction, which becomes evident on re-exposure to this material.
Ingestion: Harmful if swallowed.
Inhalation: May cause respiratory tract irritation. High vapor concentrations may cause headaches, dizziness and nausea.

Subchronic/ Chronic Toxicity:
Chronic: Prolonged or repeated contact can result in drying of the skin which may result in skin irritation and dermatitis (rash).
Carcinogenicity: Naphthalene
NTP - "Reasonably Anticipated to be a Human Carcinogen"
IARC - "Possibly Carcinogenic to Humans" (Group 2B)

SECTION 4: FIRST AID MEASURES

Eyes: Immediately flush eyes with plenty of water for 15 minutes. Get medical attention if irritation persists.
Skin: Wash skin with soap and plenty of water.
Ingestion: Do not induce vomiting. Give milk or water. Get medical attention.
Inhalation: If breathing becomes difficult, remove to fresh air. If symptoms persist, give oxygen and seek medical attention.

SECTION 5: FIRE FIGHTING MEASURES

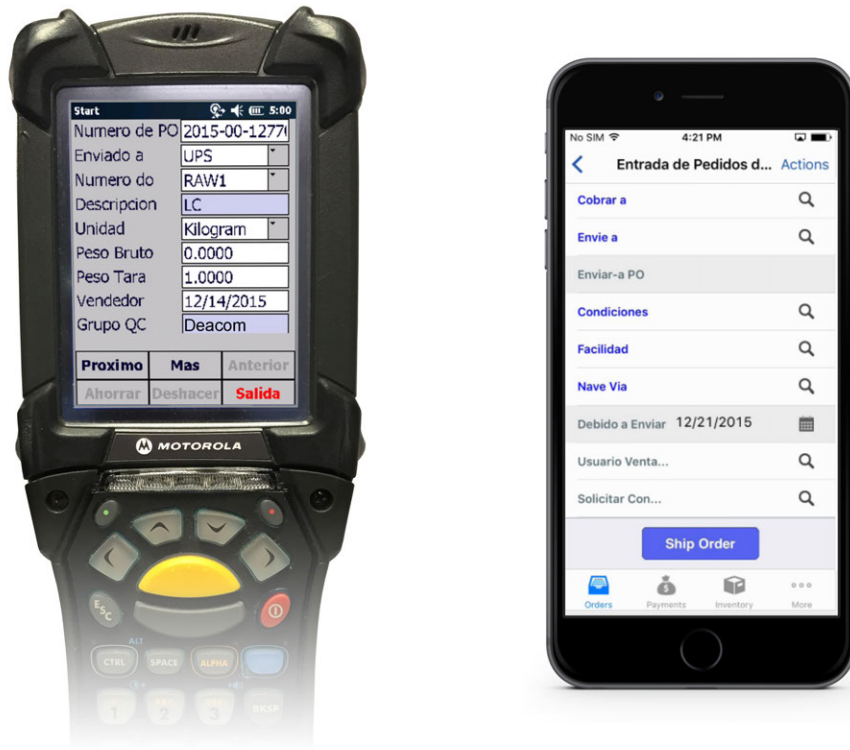
Flash Point: 32 F / 55.59 C
Flash Point Method:
General Hazard: Product may contain combustible liquids or various organic resins. If burning, this material may produce hazardous fumes or hazardous decomposition products.
Extinguish Media: Use carbon dioxide, foam, dry chemical or water spray when fighting fires involving this material.
Hazard Decomposition:
Products: Combustion products may be toxic. May produce various carbon oxides and hydrocarbons.

Page 1 of 3

MULTI-LANGUAGE

Data-driven captions are available for multi-lingual support or different business departments and can be assigned on a user-by-user basis.

Deacom's centralized ERP model ensures that these captions are consistent throughout the entire application and across multiple devices.



RESTRICTED SHIPPING

Restricted Shipping is a key component when shipping overseas or between international regions. DEACOM ERP provides the client with definable restrictions based on customer and the items being shipped. This can be defined on an item-by-item basis or by category for every customer that receives product.

FOREIGN CURRENCY AND TAX

Foreign Currency

- DEACOM ERP is connected to the European Central Bank to obtain and automatically update currencies.
- Financial Reports can be displayed or filtered by any currency.
- Account currency can be defined as needed, as sometimes it is different than the system's home currency. An example of this is if the home currency is "USD" but the account is created for a Canadian vendor that uses a bank in their home country. In this case, the account currency would be "CAD." This is available via the GL Summary, GL Detail, and Financial Statement reports.
- Specific accounts can be defined for Currency Gain/Loss and Unrealized Gain/Loss. Unrealized Gain/Loss can be defined per account for the most accurate postings. This will help the client track realized and unrealized gain through accounting reports like Trial Balance, GL Summaries, and Financial Statements.

Tax Regions and VAT

- Tax Regions can be defined by Facility, Customer, or Zip Code.
- More complex taxes can be calculated through Sales User Calculations, and User Definable fields. This will give the client full control to specify the criteria that must be met before the tax is added automatically.

The screenshot displays two overlapping windows from the Deacom ERP Accounting Management system. The background window shows a Trial Balance report with the following data:

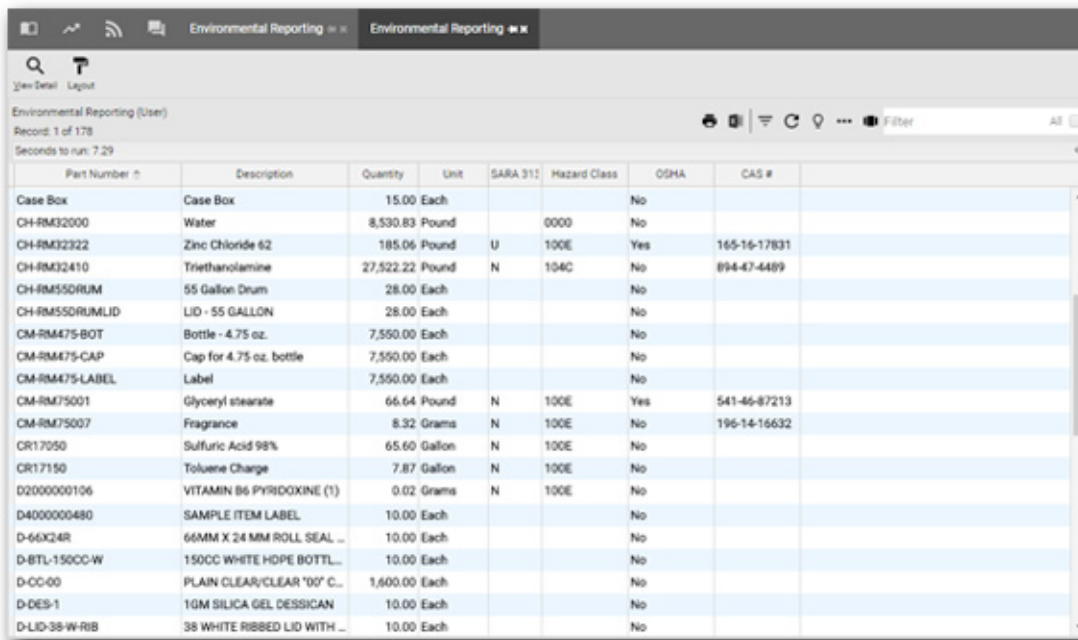
Account #	Title	Debits	Credits
1000-0-00	Cash - Corporate	178,001.62	
1000-1-00	Cash - Philadelphia	20.00	
1200-0-00	Accounts Receivable	20.00	
1200-1-00	A/R - Philadelphia		136,566.1
1250-1-00	WIP Inventory-Phila	9,060.65	
1300-0-00	Inventory		81.0
1300-1-00	Inventory - Phila	23,044,779.21	
1300-3-00	Inventory - Houston	1,788.38	
1300-4-00	Inventory - LA	1,339.30	
1305-0-00	Inventory - In Transit		1,788.1
2000-0-00	Accounts Payable		7,000.0
2000-1-00	A/P - Phila		9,751.8
2001-0-00	Accounts Payable - Suspen		80,465.70
2251-0-00	Accrued Expense - Commis		52,913.72

The foreground window shows the 'Edit Account' configuration for account 1000-0-00. The 'General' tab is active, showing the following details:

- Account: 1000-0-00
- Name: Cash - Corporate
- Type: Cash
- COGS Account: [Search]
- Currency: [Search]
- Unrealized Gain: [Search]
- Chart Group: Default
- Active:
- Balance Across Sub-Accounts:

REPORTING

REACH – One of the major requirements for REACH is to communicate information on chemicals up and down the supply chain. Through regulatory bill of materials (BOMs) and reports, all requirements can be met to determine what chemicals, including how much of it, are used to produce goods. REACH also includes information on what is contained in goods that are shipped.



The screenshot displays the 'Environmental Reporting (User)' interface. It shows a table with columns for Part Number, Description, Quantity, Unit, SARA 311, Hazard Class, OSHA, and CAS #. The table lists various items such as Case Box, Water, Zinc Chloride 62, Triethanolamine, 55 Gallon Drum, LID - 55 GALLON, Bottle - 4.75 oz., Cap for 4.75 oz. bottle, Label, Glyceryl stearate, Fragrance, Sulfuric Acid 98%, Toluene Charge, VITAMIN B6 PYRIDOXINE (1), SAMPLE ITEM LABEL, 66MM X 24 MM ROLL SEAL, 150CC WHITE HDPE BOTTLE, PLAIN CLEAR/CLEAR '00' C..., 10GM SILICA GEL DESSICAN, and 38 WHITE RIBBED LID WITH...

Part Number	Description	Quantity	Unit	SARA 311	Hazard Class	OSHA	CAS #
Case Box	Case Box	15.00	Each			No	
CH-RM32000	Water	8,530.83	Pound		0000	No	
CH-RM32322	Zinc Chloride 62	185.06	Pound	U	100E	Yes	165-16-17831
CH-RM32410	Triethanolamine	27,522.22	Pound	N	104C	No	894-47-4489
CH-RM55DRUM	55 Gallon Drum	28.00	Each			No	
CH-RM55DRUMLID	LID - 55 GALLON	28.00	Each			No	
CM-RM475-BOT	Bottle - 4.75 oz.	7,550.00	Each			No	
CM-RM475-CAP	Cap for 4.75 oz. bottle	7,550.00	Each			No	
CM-RM475-LABEL	Label	7,550.00	Each			No	
CM-RM75001	Glyceryl stearate	66.64	Pound	N	100E	Yes	541-46-87213
CM-RM75007	Fragrance	8.32	Grams	N	100E	No	196-14-16632
CR17050	Sulfuric Acid 98%	65.60	Gallon	N	100E	No	
CR17150	Toluene Charge	7.87	Gallon	N	100E	No	
D2000000106	VITAMIN B6 PYRIDOXINE (1)	0.02	Grams	N	100E	No	
D4000000480	SAMPLE ITEM LABEL	10.00	Each			No	
D-66X24R	66MM X 24 MM ROLL SEAL ...	10.00	Each			No	
D-BTL-150CC-W	150CC WHITE HDPE BOTTLE...	10.00	Each			No	
D-CC-00	PLAIN CLEAR/CLEAR '00' C...	1,600.00	Each			No	
D-DES-1	10GM SILICA GEL DESSICAN	10.00	Each			No	
D-LID-38-W-RIB	38 WHITE RIBBED LID WITH ...	10.00	Each			No	

SARA – DEACOM ERP provides a Production Emissions Report that will assist the company with identifying hazardous air pollutants used in production and how much is emitted. Detailed inventory reporting will provide the details needed to identify the amount of hazardous chemicals on hand at any given time, at any facility, or in a specific location of the facility.

OSHA – Chemical Hazards can be defined for every item and easily updated within DEACOM ERP. They can then be added to all labels and chemical information sheets using the tools available in the system.