

Batch Specific UOM Inventory Management: Stock Keeping with Dynamic Conversion Factor



Applies to:

SAP ECC6.0 Version

For more information, visit the [Enterprise Resource Planning homepage](#).

Summary

This article will be helpful to the consultants in cross functional areas like Materials Management, Production Planning and Sales and Distribution. This explains step by step procedure of configuration of batch specific unit of measure functionality with business scenario examples in simple and easy to understandable way.

Author: Naveena Shetty

Company: L & T Infotech Ltd

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Author Bio

Naveena Shetty is now an employee of Larsen & Toubro Infotech Ltd. He has total 8+ years of experience out of which near about 3 years experience in the area of SAP consulting in procure to pay (P2P) process. He has worked in various industries like Automobiles, Descreate manufacturing and process industries in Logistics segments as part of domain exeperience.

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Introduction to Batch Specific UOM

Batch

In Industry business process the batch is the quantity or partial quantity of a certain material or product that has been produced according to the same recipe, and represents one homogenous, non-reproducible unit with unique specifications.

Eg: In steel industry, you would use the term “Heat No” if a material is manufactured in several charges in a furnace which are of same order. The result of each charge is identified as batch.

Batch Management

Batch Management is cross application component of Logistics in SAP. Batch management is integrated in all application of logistics process from procurement to sales. It supports the management and processing of batches in all of a company's business processes.

Configuration of batch management is pre-requisite for using Batch specific UOM. To use Batch management in SAP following minimum configuration is required

1. Specifying Batch level and activating batch status management

IMG → Logistics General → Batch Management → Specify batch level and activate status management

Select Batch level as per your requirement; here three options are displayed with radio button.

- (i) Batch unique at plant level – If selected the batch number will be unique with respect to plant and material
- ii) Batch unique at material level – If selected the batch number will be unique with respect to the material
- (iii) Batch unique at Client level – If selected the batch number will be unique at client level.

In our example we have set Batch unique at material level.

2. Activating Batch Number assignment

IMG → Logistics General → Batch Management → Batch number assignment

Select Batch number assignment as per your requirement; here options are available to activate internal batch number assignment. Do this only if you need to generate batch number internally by the system else just maintain the number range for external number assignment. In our example we have activated internal batch number assignment

3. Define Movement types for batch creation

IMG → Logistics General → Batch Management → Creation of new batches

Here select the movement types for which new batch needs to be created. In our example we have set “Automatic/No manual creation” against movement type 101, 511, 501, 561 and 531

Batch specific unit of measure

The batch-specific material unit is an alternative unit of measure of a material, for which you can define the conversion ratio into the base unit of measure on a batch-specific basis.

In some industry sectors (for example, the pharmaceutical, chemical, steel, or paper industry sectors), the composition or attributes of products vary to some degree. Therefore, you cannot use a fixed conversion factor to convert quantities of these products into various units of measure. Instead, each batch has to be given an individual conversion factor.

These materials consist of one or more active ingredients, concentrates, carrier materials, or impurities, and so on. The potency of the active ingredients varies from batch to batch.

This can be handled by configuring batch specific UOM functionality in SAP. Planned conversion factor is stored as character in material master record. Actual conversion factor is maintained during the transactions and stored in batch master record.

Business Benefits of Batch specific UOM

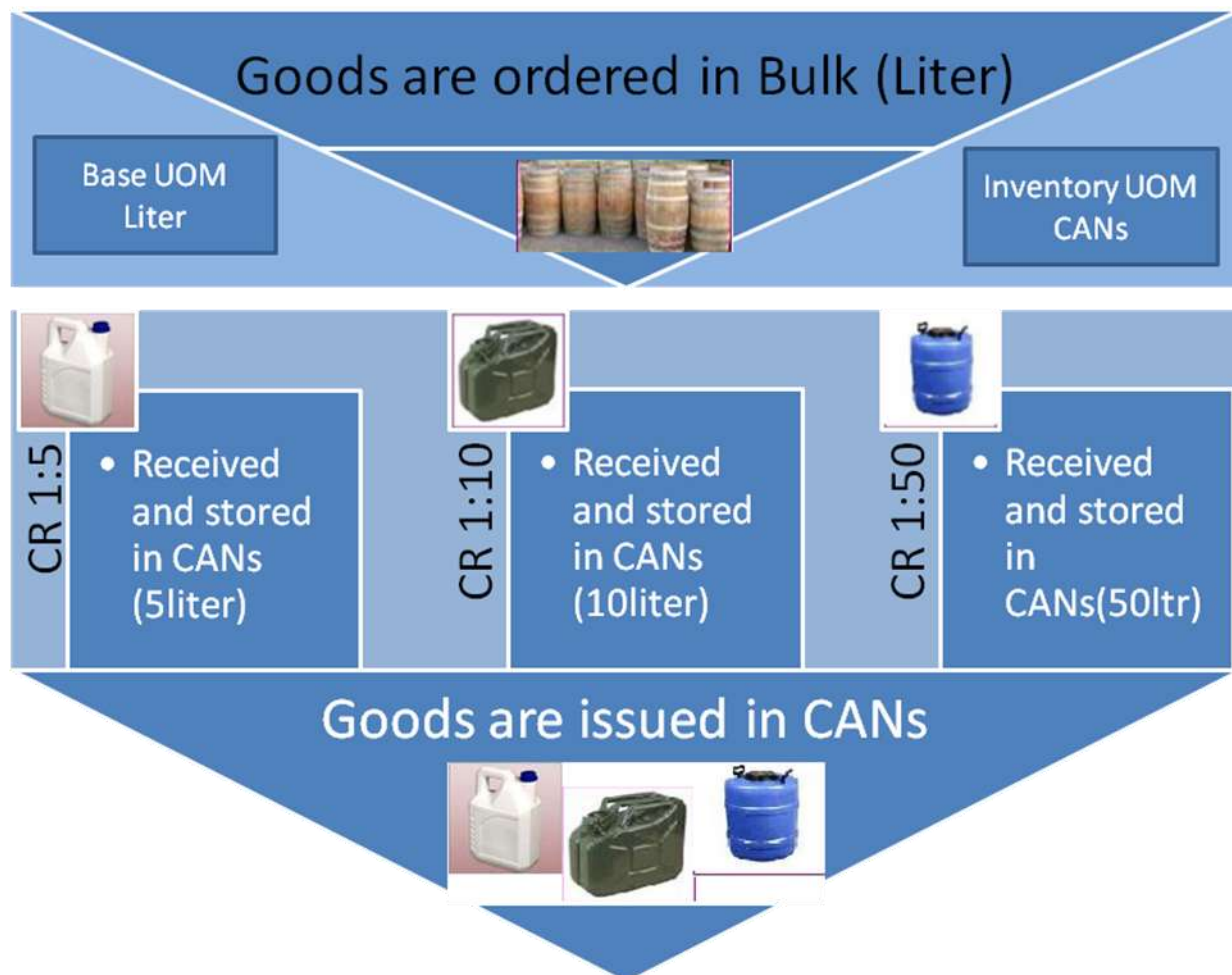
- Material can be tracked through out the logistics chain in alternate UOM which has dynamic conversion ratio. This will reduce creation of different materials for every conversion ratio
- Conversion ratio can be calculated automatically by inputting factors of batch dependencies if they are known
- Material valuation of batch is possible on the basis of batch specific UOM. Material value is determined based on the amount of active ingredient or conversion ratio.
- Material requirement planning can be done according to variable conversion ratio. MRP uses inventory correction factors to consider the actual proportion of stock available at plant and storage location level.
- Sales price determination is possible using the product or proportion quantity the product may contain. Sales price is updated depending on the material batch data.

Business Scenarios

Batch specific UOM is consisting of TWO components Product Units and Proportion Units.

Scenario 1: Product Units

This is a unit of measure that describes the total quantity of a material as an alternative to the base unit of measure.



Certain materials transactions are used not only in their base UOM but also in alternate UOM. There will be certain situation where a conversion ratio (CR) between Base UOM and alternate UOM is not fixed. It

fluctuates depending on certain criteria. Even in this scenario it is possible to use the conversion ratio between two UOM for all the stock monitoring and transactions.

For e.g.:

Chemical is procured in bulk qty in Liters and stored in inventory in small cans. Conversion from Barrels to can is not fixed. This depends on the size of the can available in the market at the time of goods receipt. Can volume can be 5lt, 10lt, 50lt or any other volume available in the store/market. All the inventory transaction will be in UOM cans.

Scenario 2: Proportion Units

This is a unit of measure in which you can enter proportions of the material's base unit of measure. The total quantity (or physical quantity) can consist of various proportions.

Business requires to measure and show the active ingredients of materials within the physical quantity of the material and also to use them for goods movement.

For e.g.:

Chemical consists of many ingredients. For e.g. 1ltr of Orange Juice contains 30g of Vitamin C, Also this proportion is variable based on the batch. Goods movement and stock movement is carried out in ltr of orange juice (physical quantity) where as valuation, planning, and availability check is carried out for vitamin C (Active ingredient)

Configuration Settings

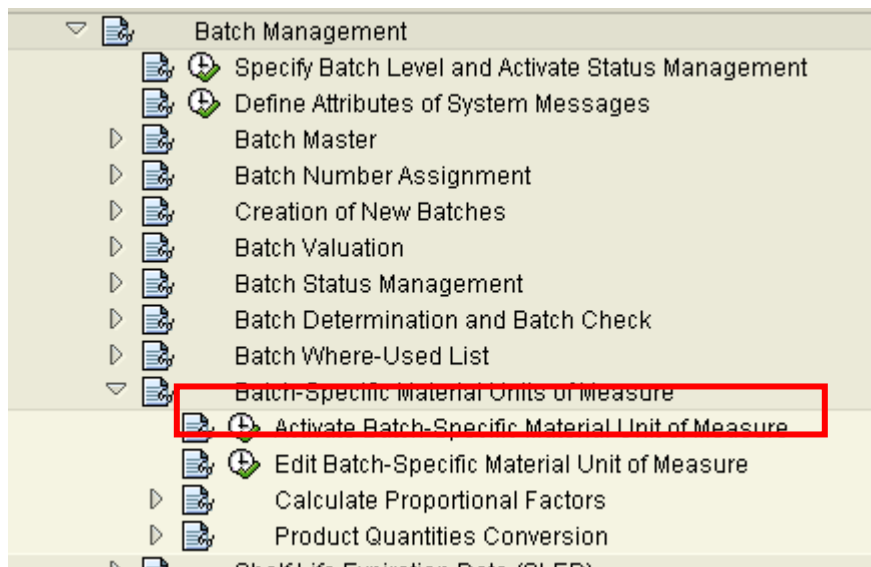
Batch specific UOM needs following configuration.

- Activation of batch specific UOM – As first step you need to activate Batch specific UOM. Until this is activated, you cannot carry out the batch specific UOM setting in material master.
- Define which units of measure you want to use as “Batch specific UOM”. Before Defining Batch specific UOM you need create same UOM in global data.
- Calculation of Proportion factors – This session should be configured only if business requirement to use Proportion Units. For e.g. refer Business Scenario 2
- Product Quantity conversion - This session should be configured only if business requirement to use Proportion Units. For e.g. refer Business Scenario 1

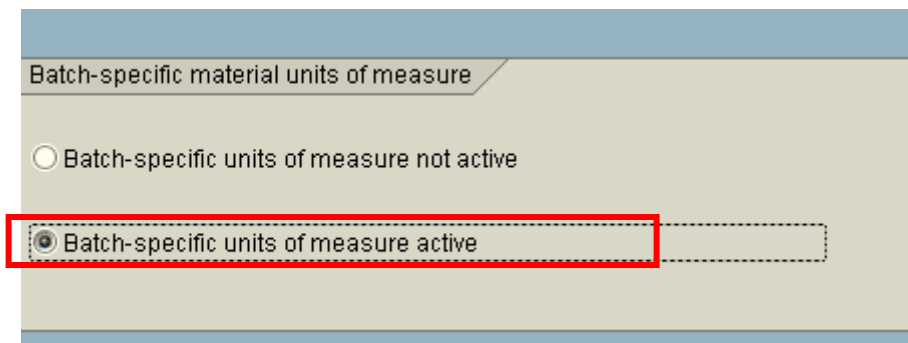
Activation of Batch Specific UOM

In this step you need to activate Batch specific UOM

IMG → Logistics General → Batch Management → Batch specific Material UOM → Activate batch specific material UOM

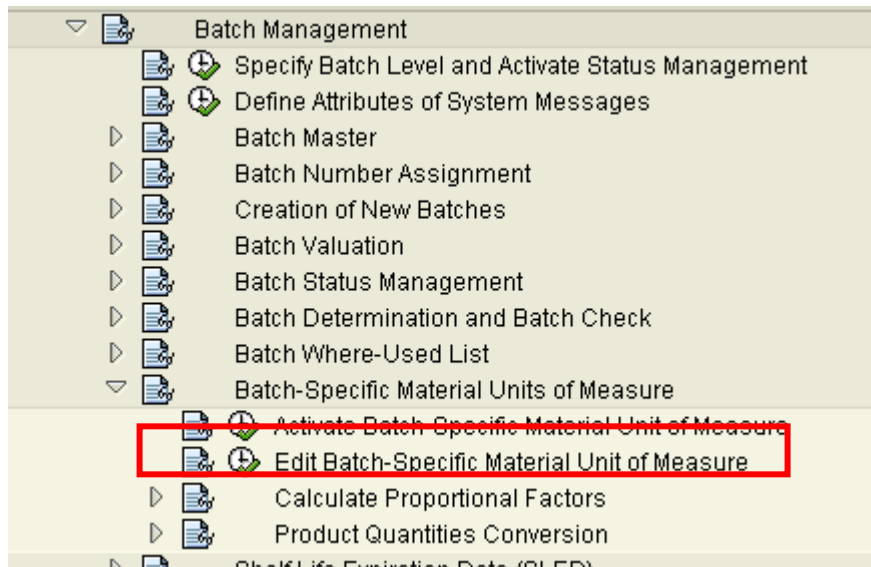


And activate batch specific unit of measure



Edit batch Specific Unit of Measure

IMG → Logistics General → Batch Management → Batch specific Material UOM → Edit batch specific material UOM



For Eg: If you require to maintain your stock in cans for specific batch you can maintain “CAN” or If you are working with active ingredients then you should maintain grams of active ingredients “GAI”

Note: This unit of measures should be defined globally before maintaining in this screen.

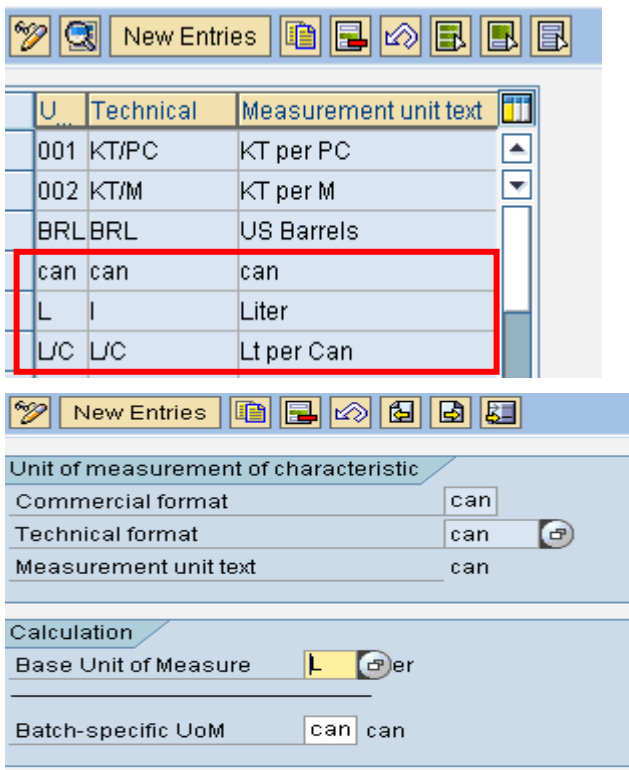
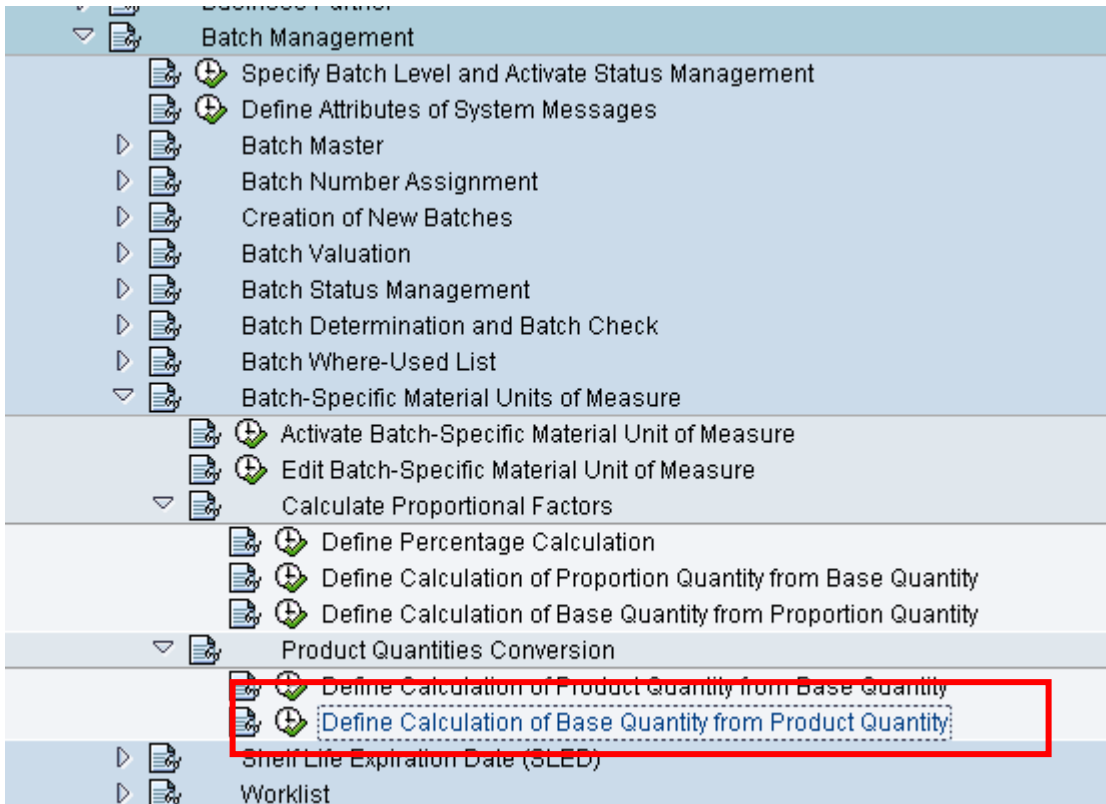
| U_ | Batch-specific UoM | U_ | Ref. UoM | Dimension text |
|-----|---------------------|-----|------------|----------------|
| 10L | 10L | BRL | US Barrels | Volume |
| 50L | 50L | BRL | US Barrels | Volume |
| 5L | | BRL | US Barrels | Volume |
| can | can | L | Liter | Volume |
| KM | Kilogram act. ingr. | L | Liter | Volume |

Calculation of Factors

In this step you need to maintain base unit of measure, character unit of measure and alternate unit of measure.

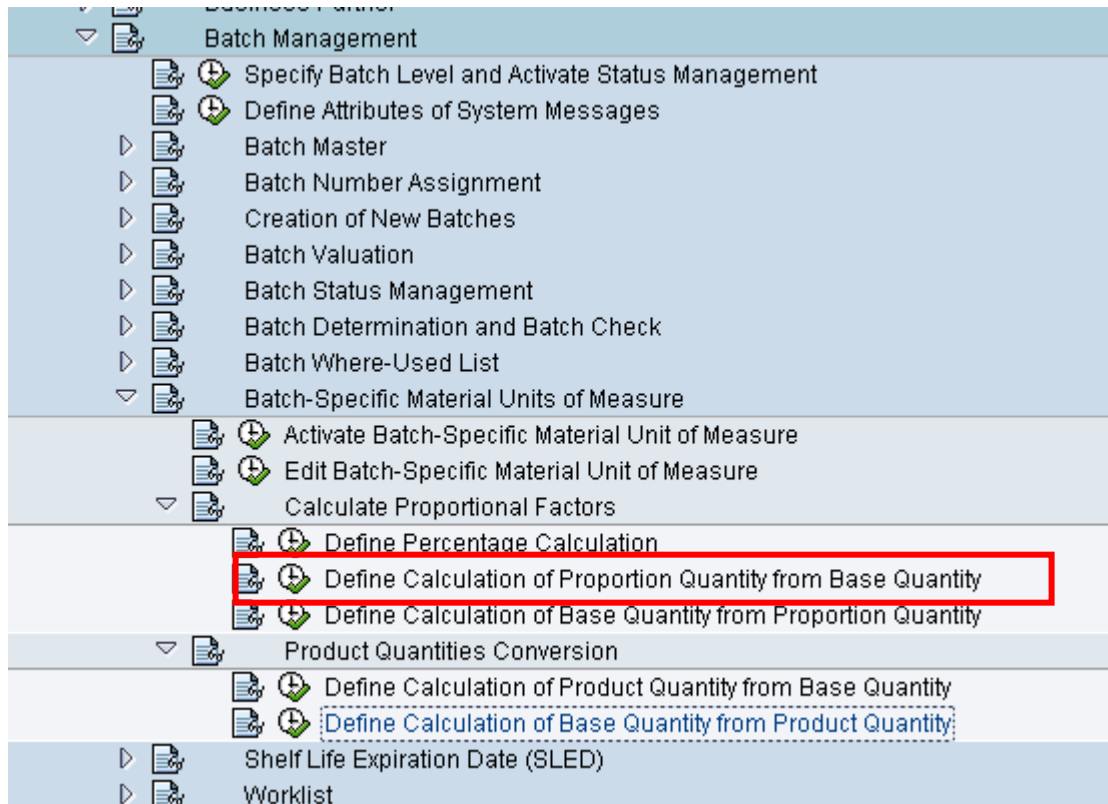
For Product Units

IMG → Logistics General → Batch Management → Batch specific Material UOM → Product quantity conversion → define calculation of base quantity from product quantity



For Proportion Units

IMG → Logistics General → Batch Management → Batch specific Material UOM → Calculate proportion factors → Define calculation of proportion quantity from base quantity



Recap: Configuration Settings

Following are the configuration settings carried out in for demo business scenario

For Product unit

- Batch specific UOM is activated
- UOM “L”, “CAN” and “L/C” is maintained for batch specific UOM. “L/C” will be assigned to characteristics to maintain variable conversion ratio
- “L/C” is defined for calculation of base quantity from product quantity

For Proportion unit

- Batch specific UOM is activated
- UOM “L”, “GAI” and “GAI/L” is maintained for batch specific UOM. “GAI/L” will be assigned to characteristics to maintain active ingredient qty.
- “GAI/L” is defined for calculation of proportion quantity from base quantity

Master data Settings

Batch specific UOM needs following Master Data setup.

- In classification Master data you need to create a characteristic. This characteristic is used to store the conversion ratio during transaction.
- In classification master data you need to create a class with class type "023". All the characters are assigned to this class.
- In material master assign the class and maintain Product/Proportion data in additional data screen

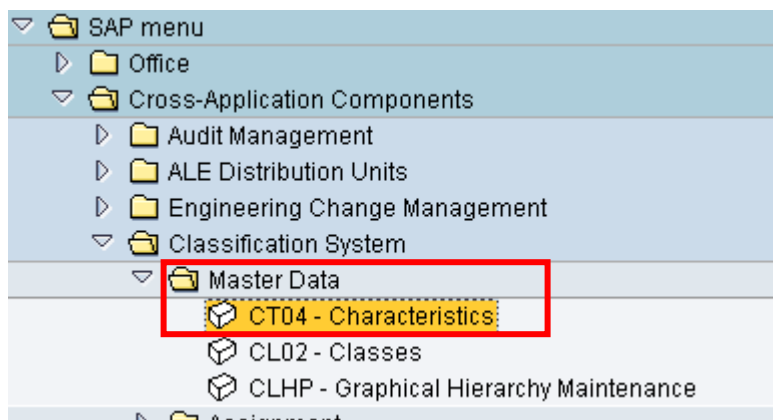
Create Characteristics

Characters are used to store the conversion factors.

For eg. In scenario 1 its liters / Can i.e. L/C

In scenario 2 its grams of active ingredients / ltr i.e. GAI/L

SAP Menu → Cross application components → Classification system → Master data → Characteristics (CT04)



Create characteristic with

In Basic Data Screen,

Data type – Numeric format

Assign UOM defined for conversion ratio

Single value – Checked

Entry required – Checked – This will ensure the maintenance of conversion ratio during batch creation in transaction.

Create Characteristic

Characteristic: Z_VOLUME
 Change Number:
 Valid From: 22.02.2010

Basic data | Descriptions | Values | Addnl data | Restrictions

Basic data

Description: batch UOM - ltr/can
 Chars Group:
 Status: 1 Released
 Auth.Group:

Format

Data Type: NUM Numeric Format
 Number of Chars: 10
 Decimal Places: 3
 Unit of Measure: L/C
 Template:
 Exp. display: 0 No exponent

Value assignment

Single value
 Multiple Values
 Interval vals allowed
 Negative Vals Allowed
 Restrictable
 Entry Required

In Values data screen

You can maintain the conversion rates which will be used regularly. Maintaining values in this screen will enable to select this maintained value during transactions.

Also check additional values if you required maintaining the conversion factors during transaction which are not listed in the values

Create Characteristic

Characteristic: Z_VOLUME
 Change Number:
 Valid From: 22.02.2010 Validity

Basic data | Descriptions | **Values** | Addnl data

Additional Values Unit of Measure: L/C

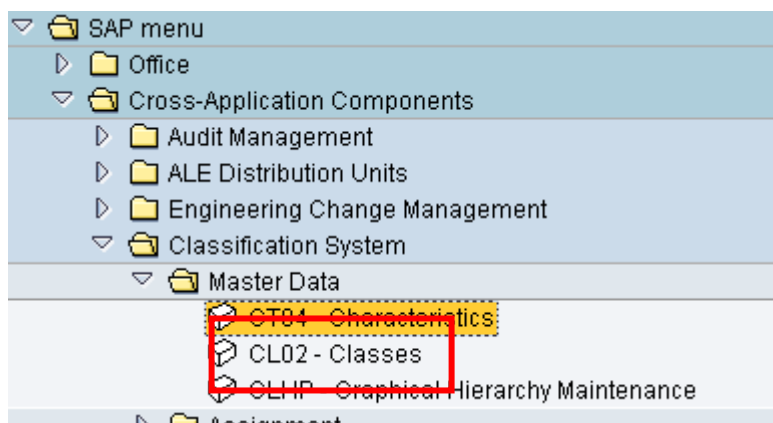
Allowed Values

| Char. Value | D | O |
|-------------|--------------------------|--------------------------|
| 5.000 L/C | <input type="checkbox"/> | <input type="checkbox"/> |
| 10.000 L/C | <input type="checkbox"/> | <input type="checkbox"/> |
| 50.000 L/C | <input type="checkbox"/> | <input type="checkbox"/> |
| | <input type="checkbox"/> | <input type="checkbox"/> |
| | <input type="checkbox"/> | <input type="checkbox"/> |

Create Class

You need to create a class and assign all the characteristics to the class

SAP Menu → Cross application components → Classification system → Master data → Classes (CL02)



In Basic Data Class type should be **023 – Batch**

Organizational view is **S**

Create Class:

Change Language

Class: Z_VOL_BATCH

Class type: 023 Batch

Change Number:

Valid from: 22.02.2010

Validity

Basic Data | Keywords | Char. | Texts

Basic data

Description: Volume batch spec UOM

Status: 1 Released

Class group:

Organizational area: S

Valid From: 22.02.2010

Valid to:

Local class:

Create Class:

Change Language

Class: Z_VOL_BATCH

Class type: 023 Batch

Change Number:

Valid from: 22.02.2010

Validity

Basic Data | Keywords | Char. | Texts

| Char. | Description | Data | N | D | Unit | P | Org. Areas | Std. |
|----------|---------------------|------|----|---|------|-------------------------------------|------------|--------------------------|
| Z_VOLUME | batch UOM - ltr/can | NUM | 10 | 3 | L/C | <input checked="" type="checkbox"/> | S | <input type="checkbox"/> |

Create Material code

SAP Menu → Logistics → Material Management → Material Master → Material → Create (General) → Immediately (MM01)

Create Material code with following mandatory data.

In basic data view maintain the UOM which is defined for product base UOM in our example Liter – L

In classification view assign previously created class to material

In purchasing view maintain Batch Management Checked

Classification

Object

Material: H2SO4 Sulphuric Acid
Class Type: 023 Batch

Assignments

| Class | Description |
|-------------|-----------------------|
| Z_VOL_BATCH | Volume batch spec UOM |

Entry: 1

Values for Class Z_VOL_BATCH - Object H2SO4

General

| Characteristic Description | Value |
|----------------------------|-------|
| batch UOM - ltr/can | |

Under additional data **Proportion / Prod. Unit view**

In Units of measure usage field maintain "B" for product unit. You can maintain "A" if business process requires to use proportion unit.

Also you can maintain planned conversion rate in this screen. The actual conversion rate can only be known when the mixture actually exists. Until this point, planned conversion rate is used for all the calculation purpose. This planned value is replaced by the actual value as soon as it is known.

Create Material H2SO4 (Raw material)

Consumption **Proportion/prod. unit** 0

Material: H2SO4 Sulphuric Acid

Units meas. use: B

Units of measure usage (2) 3 Entries found

| Units of meas. usage | Short Descript. |
|----------------------|-----------------------------|
| A | Alternative unit of measure |
| B | Product unit |

Create Material H2SO4 (Raw material)

Material: H2SO4 Sulphuric Acid

Units meas. use: B Product unit Base Unit: L Liter

Propose characteristics

| Characteristic | Description | Plan Value | Unit of ... | Un | L... | V-R |
|----------------|---------------------|------------|-------------|--------------------------|--------------------------|--------------------------|
| Z_VOLUME | batch UOM - ltr/can | 5.000 L/C | per Carcan | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

You can follow the same steps create Material with Proportion unit. In Units of measure usage field maintain "A" for proportion unit.

Recap: Master Data

For Product Unit

- Z_VOLUME characteristic is created with UOM as L/C
- Z_VOL_BATCH class is created with class type 023
- Characteristic Z_VOLUME is assigned to class Z_VOL_BATCH
- Material H2SO4 is created, Class Z_VOL_BATCH is assigned to material in classification view
- Product unit and planned conversion rate is maintained for material in additional data

Similar activities can be carried out to create material for business scenario 2 Proportion unit

Transactions and Reports

Scenario 1: Product Units

Whenever inventory transaction is carried out for this material i.e. Goods receipt or Goods issue actual conversion rate will be asked. Actual conversion rate should be maintained at this point. In all the future transactions this actual conversion rate is taken care.

Purchase Order Creation

Purchase order is created for this material for a quantity of 1000L H2SO4

SAP Menu → Logistics → Material Management → Purchasing → Purchase Order → Create (ME21N)

Create Purchase Order

Document Overview On | Hold | Print Preview | Messages | Personal Setting

Standard PO | Vendor: 1098 Productos Argentinos Imp. S. | Doc. da

Delivery/Invoice | Conditions | Texts | Address | Communication | Partners | Additio

Purch. Org. 1000 IDES Deutschland
 Purch. Group 000 Chef.H.
 Company Code 1000 IDES AG

| S | Itm | A | I | Material | Short Text | PO Quantity | O | C | Deliv. Date | N |
|---|-----|---|---|----------|----------------|-------------|---|---|-------------|---|
| | 10 | | | H2SO4 | Sulphuric Acid | 1,000 L | | D | 19.03.2010 | |

Goods Receipt for Purchase Order

Goods receipt is carried out with respect to the PO. Goods receipt is carried out in 3 lines and each line will be maintained with different conversion ratio.

SAP Menu → Logistics → Material Management → Inventory Management → Goods Movement → Goods Movement (MIGO)

First line item is received with CR 5L/C and quantity received is 50CANs, system automatically calculated qty in base UOM as 250L

Second line item is received with CR 50L/C and quantity received is 10CANs, system automatically calculated qty in base UOM as 500L

Third line item is received with CR 10L/C and quantity received is 25CANs, system automatically calculated qty in base UOM as 250L

Goods Receipt Purchase Order 4500017354 - 283549

Show Overview | Hold | Check | Post | Help

Goods Receipt | Purchase Order | Plant

General | Vendor

Document Date: 09.03.2010 | Delivery Note: | Vendor: Pr
 Posting Date: 09.03.2010 | Bill of Lading: | HeaderText: |
 Individual Slip | GR/GI Slip No.: |

| Line | Stat | Mat. Short Text | OK | Qty in UnE | E.. | SLoc |
|------|------|-----------------|-------------------------------------|------------|-----|--------------|
| 1 | ⚠ | Sulphuric Acid | <input checked="" type="checkbox"/> | 50 | | CANMateriali |

Material | **Quantity** | Where | Purchase Order Data | Partner | Batch | Account As

| | | |
|----------------------|-----|-----|
| Qty in Unit of Entry | 50 | CAN |
| Qty in SKU | 250 | L |

Classification

Object

Material: H2SO4 | Sulphuric Acid
 Batch: 0000000390
 Class Type: 023 | Batch

Values for Class Z_VOL_BATCH - Object H2SO4 0000000390

General

| Characteristic Description | Value |
|----------------------------|----------|
| Batch UOM Lt per can | 5.000 LC |

Goods Receipt Purchase Order 4500017354 - 283549

Show Overview | Hold | Check | Post | Help

Goods Receipt | Purchase Order | Plant | GR goods recei

General | Vendor

Document Date: 09.03.2010 | Delivery Note: | Vendor: Productos Argentinos Imp. S
 Posting Date: 09.03.2010 | Bill of Lading: | HeaderText: |
 Individual Slip | GR/GI Slip No.: |

| Line | Stat | Mat. Short Text | OK | Qty in UnE | E | SLoc | Batch |
|------|------|-----------------|-------------------------------------|------------|-----|---------------|------------|
| 1 | ○△○ | Sulphuric Acid | <input checked="" type="checkbox"/> | 50 | CAN | Materiallager | 0000000390 |
| 2 | | Sulphuric Acid | <input checked="" type="checkbox"/> | 10 | CAN | Materiallager | 0000000394 |

Material | **Quantity** | Where | Purchase Order Data | Partner | Batch | Account Assignment

| | | |
|----------------------|-----|-----|
| Qty in Unit of Entry | 10 | CAN |
| Qty in SKU | 500 | L |

Classification

Object

Material: H2SO4 | Sulphuric Acid
 Batch: 0000000394
 Class Type: 023 | Batch

Values for Class Z_VOL_BATCH - Object H2SO4 0000000394

General

| Characteristic Description | Value |
|----------------------------|------------|
| Batch UOM Lt per can | 50.000 L/C |

Goods Receipt Purchase Order 4500017354 - 283549

Show Overview | Hold | Check | Post | Help

Goods Receipt | Purchase Order | Plant | GR goods receipt

General | Vendor

Document Date: 09.03.2010 | Delivery Note: | Vendor: Productos Argentinos Imp. S.A
 Posting Date: 09.03.2010 | Bill of Lading: | HeaderText: |
 Individual Slip | GR/GI Slip No.: |

| Line | Stat | Mat. Short Text | OK | Qty in UnE | E | S | SLoc | Batch |
|------|------|-----------------|-------------------------------------|------------|-----|---|---------------|------------|
| 1 | ○○○ | Sulphuric Acid | <input checked="" type="checkbox"/> | 50 | CAN | | Materiallager | 0000000390 |
| 2 | | Sulphuric Acid | <input checked="" type="checkbox"/> | 10 | CAN | | Materiallager | 0000000394 |
| 3 | | Sulphuric Acid | <input type="checkbox"/> | 25 | CAN | | | 0000000395 |

Material | Quantity | Where | Purchase Order Data | Partner | Batch | Account Assignment

| | | | |
|----------------------|-----|-----|--|
| Qty in Unit of Entry | 25 | CAN | |
| Qty in SKU | 250 | L | |

Classification

Object

Material: H2S04 | Sulphuric Acid
 Batch: 0000000395
 Class Type: 023 | Batch

Values for Class Z_VOL_BATCH - Object H2S04 0000000395

General

| Characteristic Description | Value |
|----------------------------|------------|
| Batch UOM Lt per can | 10.000 L/C |

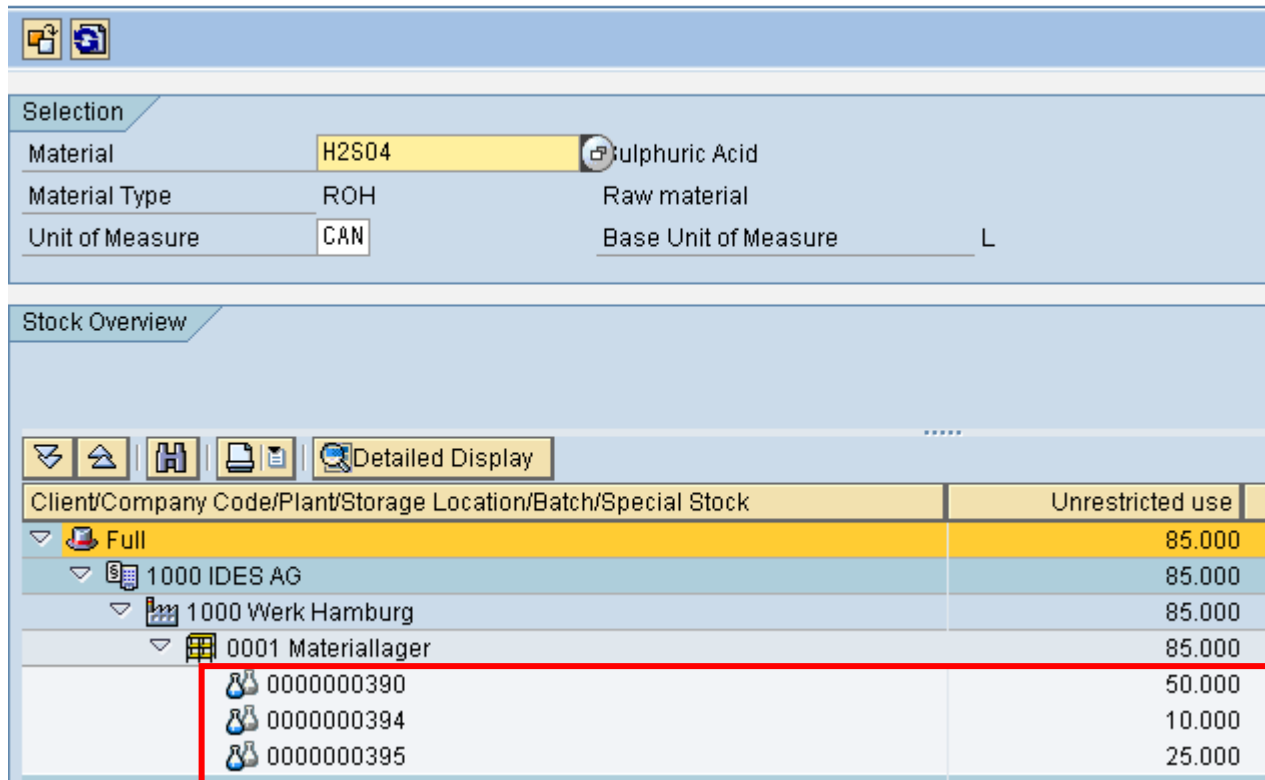
Until conversion ratio is not maintained in Batch classification data, system will use planed conversion ratio which was maintained in material master for the calculation purpose.

Stock Overview

SAP Menu → Logistics → Material Management → Inventory Management → Environment → Stock → Stock Overview (MMBE)

If you see the stock available system will show the quantity separately for each conversion rate. Also conversion rate can be seen for each batch.

Stock Overview: Basic List



| Client/Company Code/Plant/Storage Location/Batch/Special Stock | Unrestricted use |
|--|------------------|
| Full | 85.000 |
| 1000 IDES AG | 85.000 |
| 1000 Werk Hamburg | 85.000 |
| 0001 Materiallager | 85.000 |
| 0000000390 | 50.000 |
| 0000000394 | 10.000 |
| 0000000395 | 25.000 |

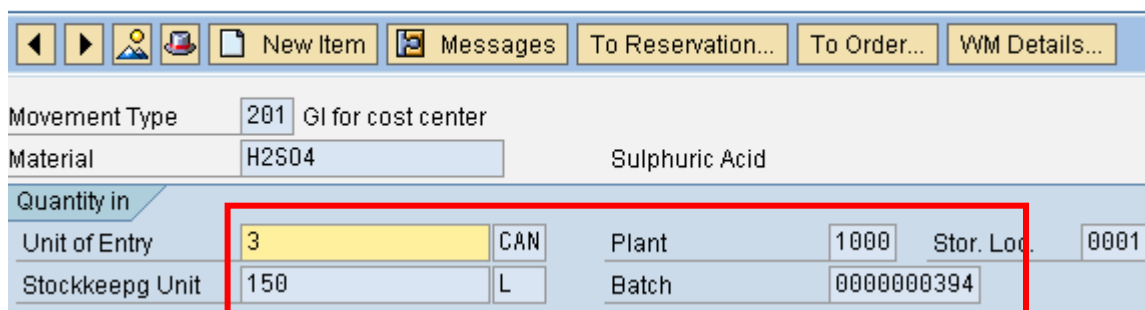
You can see the conversion ratio by selecting the batch and in “Extras” Batch classification data.

Goods Issue

SAP Menu → Logistics → Material Management → Inventory Management → Goods Movement → Goods Issue (MB1A)

During the goods issue system will automatically carry the conversion rate maintained for batch during goods receipt. Only you need to select the specific batch and quantity for Issue. Conversion will be pulled from batch characteristics.

Enter Goods Issue: Details 0001 / 0001



| | | | | | |
|----------------|-------|--------------------|-------|------------|-----------------|
| Movement Type | 201 | GI for cost center | | | |
| Material | H2S04 | Sulphuric Acid | | | |
| Quantity in | | | | | |
| Unit of Entry | 3 | CAN | Plant | 1000 | Stor. Loc. 0001 |
| Stockkeep Unit | 150 | L | Batch | 0000000394 | |

Scenario 2: Proportion Units

Material CITRA is created with Classification data active ingredient as characteristic, Batch specific UOM grams of active ingredient (GAI) is maintained for this material.

During goods receipt for 2 different batches, you can maintain TWO different proportions of active ingredients in batch classification data. This will be recorded in batch master data and can be called for all the future transaction of this material from inventory.

SAP Menu → Logistics → Material Management → Inventory Management → Goods Movement → Goods Movement (MIGO)

Goods Receipt Other - Naveena Shetty

Show Overview | Hold | Check | Post | Help

A01 Goods Receipt | R10 Other | GI receipt w/o PO | 501

General

Document Date: 24.02.2010 | Material Slip:
 Posting Date: 24.02.2010 | Doc.Header Text:
 1 Individual Slip | GR/GI Slip No.:

| Line | Stat | Mat. Short Text | OK | Qty in UnE | E | SLoc | G/L Account | Batch |
|------|------|-----------------------|-------------------------------------|------------|---|---------------|-------------|------------|
| 1 | OK | Citra - Orange flavor | <input checked="" type="checkbox"/> | 100 | L | Auslief.Lager | | 0000000648 |
| 2 | OK | Citra - Orange flavor | <input checked="" type="checkbox"/> | 400 | L | Auslief.Lager | | 0000000649 |

Material | Quantity | Where | Partner | Batch | Account Assignment

Movement Type: 501 + GI receipt w/o PO | Stock type: Unrestricted use

Plant: Berlin | 1100 |

Storage Location: Auslief.Lager | 0001

Classification

Object

Material: CITRA
 Batch: 0000000649
 Class Type: 023

Values for Class Z_AIG_BATCH - Object CITRA

General

| Characteristic Description | Value |
|----------------------------|-----------|
| Active ingredient | 0.500 G/L |

Classification

Object

Material: CITRA
 Batch: 0000000648
 Class Type: 023

Values for Class Z_AIG_BATCH - Object CITRA 00000

General

| Characteristic Description | Value |
|----------------------------|-----------|
| Active ingredient | 0.100 G/L |

Inventory is valued based on the proportion of active ingredients maintained for the material in batch master during goods receipt.

SAP Menu → Logistics → Material Management → Inventory Management → Goods Movement → Goods Movement (MIGO) → Display material document → FI Document

Display Document: Data Entry View

Display Currency | General Ledger View

Data Entry View

Document Number: 4900000230 | Company Code: 1000 | Fiscal Year: 2010
 Document Date: 24.02.2010 | Posting Date: 24.02.2010 | Period: 2
 Reference: | Cross-CC no.: |
 Currency: EUR | Texts exist: | Ledger Group: |

| C... | Item | PK | S | Account | Description | Amount | Curr | Tx | Cost C |
|------|------|----|---|---------|----------------------|------------|------|----|--------|
| 1000 | 1 | 89 | | 300010 | Inventory - Raw Mate | 1,000.00 | EUR | | |
| | 2 | 91 | | 400020 | Raw materials consum | 1,000.00- | EUR | | |
| | 3 | 89 | | 300010 | Inventory - Raw Mate | 20,000.00 | EUR | | |
| | 4 | 91 | | 400020 | Raw materials consum | 20,000.00- | EUR | | |

Additional Functions in Batch Specific UOM

Valuation on the Basis of Batch Specific UOM

It's possible to value a batch by the amount of active ingredient the batch contains. For this you need to maintain a valuation record for the active ingredient on which batch valuation depends.

SAP Menu → Logistics → Central functions → Batch Management → Batch specific UOM → Standard Price → create (MWB1)

Enter Material, Plant and Batch specific UOM for which you need valuation record and press enter

Change CharVals for Prop. Units/

| | |
|------------------|-------|
| Material | CITRA |
| Plant | 1100 |
| Prop./Prod. Unit | GAI |

Here you can maintain the value of active ingredient.

Change CharVals for Prop. Units/Prod. Units: Initial Screen

| | | | |
|-------------------------------------|---------|-----------------------|-----------|
| Standard price | | Price Transfer | |
| Material | CITRA | Citra - Orange flavor | |
| Valuation Area | 1100 | | |
| Batch-specific UoM | GAI | | |
| Characteristic Name | Z_AIG | Active ingredient | |
| General data | | | |
| Base Unit of Measure | L Liter | Valuation Category | X |
| Currency | EUR | Current period | 2 2010 |
| Current material valuation | | | |
| Valuation Class | 3000 | | |
| Price control | V | Price Unit | 1 L |
| Moving price | 35.00 | Standard price | 20.00 |
| Total Stock | 1,000 | Total Value | 35,000.00 |
| Current proportion valuation | | | |
| Standard price | 100.00 | Price unit | 1 GAI |
| Previous price | 0.00 | Last price change | |

MRP on the Basis of Batch Specific UOM

Planned value of an active ingredient proportion always differs from the actual value of the batch. This will result in less or more active ingredient quantity available than identified in the stock overview.

Available amount can be corrected only for planning purpose using inventory correction factor (ICF). ICF corrects available stock temporarily for planning purpose before MRP calculation.

Stock/Requirements List as of 10:30 hrs

| Show Overview Tree | | | | | | | | | |
|--------------------|------------|-------|-----------------------|--------------------------|---------------|-----------------|--------------------|-----------------|-----------------------|
| Material | CITRA | | Citra - Orange flavor | | | | | | |
| MRP area | 1100 | | Berlin | | | | | | |
| Plant | 1100 | | MRP type | <input type="checkbox"/> | Material Type | ROH | Unit | L | GAI |
| A | Date | MRP e | MRP element data | Rescheduli... | E | L Receipt/Reqmt | Receipt/Rqt Pro... | L Available Qty | Avail. Qty Prop. G... |
| | 23.02.2010 | Stock | | | | | | 1.000 | 350 |

STO on the Basis of Batch Specific UOM

Stock transfer between the batches with different conversion ratio is possible.

Sales Price Determination on the Basis of Batch Specific UOM

By creating a condition record on the basis of proportion unit, you can base the sales price on the quantity of active ingredient.

References

[Enterprise Resource Planning \(ERP\) Articles](#)

<http://forums.sdn.sap.com/thread.jspx?messageID=8757131#8757131>

<http://forums.sdn.sap.com/thread.jspx?messageID=8669180#8669180>

<http://forums.sdn.sap.com/thread.jspx?messageID=8749432#8749432>

<http://www.sdn.sap.com/irj/scn/go/portal/prtroot/docs/library/uuid/20de2999-0030-2c10-75b0-8b463a9b2713?QuickLink=index&overridelayout=true>

http://help.sap.com/saphelp_47x200/helpdata/en/25/28428b4f7811d18a150000e816ae6e/frameset.htm

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