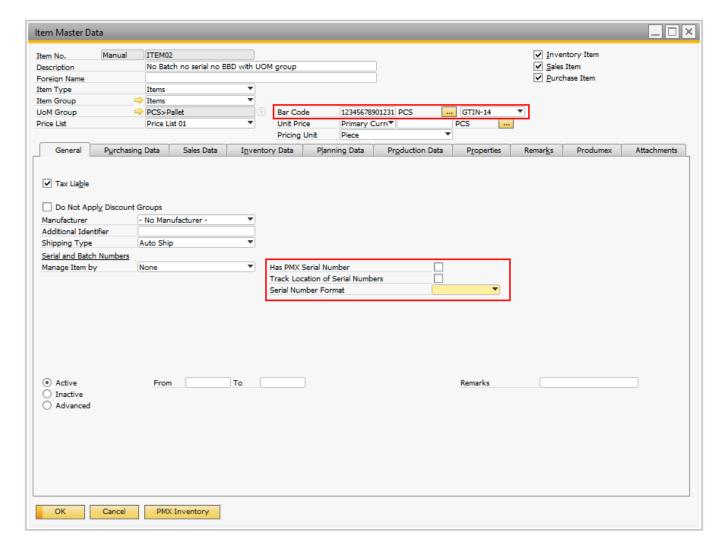## 1.1. Item Master Data: main screen

Bar Code

Bar Code is an existing field in SAP Business One. Produmex offers users the possibility to choose the type of barcode:

- GTIN-14 *(GS1 Global Trade Item number)*
  - The system verifies whether this is a correct bar code (according to the GS1 rules).
- GTIN-Variable
  - This is also a GTIN-14 barcode, but with a part that conatins information about a certain value (weight, price, etc.).
  - This kind of barcode is used nationally and not internationally, that is, some additional configuration must be added so it is possible to know which part of the barcode is variable, and what that values represent. The configuration is done in the Produmex Variable GTIN Configuration (PMX_VGTC) UDT.
  - The barcode to be stored should only be the fixed part of the variable barcode, without the check digit.
- Free barcode.
  - No restrictions on format

On the scanner it is possible to scan an EAN 13. The system converts it to a GTIN, and checks that GTIN against the barcode on the Item Master Data. If you have valid EAN 13 barcodes, they should be

stored in the system as a GTIN, with a leading 0 in front of the EAN 13.

Has PMX Serial Number

In SAP Business One an item can be managed by batches OR serial numbers. Produmex allows for managing an item both by batches AND serial numbers.

Note: The setting does not apply to items that also have SAP serial tracking enabled. The system diplays the following message when clicking Add or Update: *The item has SAP serial numbers and PMX serial numbers. Please choose only one of them.*

Track Location of Serial Numbers

If it is checked, Produmex keeps track of the location of items with serial numbers (both SAP serial numbers and Produmex serial numbers) by forcing the stock to be on an SSCC. The serial number is linked to that SSCC.

Serial Number Format

It specifies the serial number format as a regular expression. The available formats have to be specified in the Produmex Item Serial Number Format (PMX_ISFT) UDT.

> **Serial Number Format Validation**
>
> When the **Serial Number Format** is set, the system checks if scanned serial numbers meet the format requirements. If any **serial numbers in stock do not match the criteria, the system will not allow their use**. Therefore, it is recommended to set a new format only when there are no items in stock with the old serial number format.