

# Master data: PRODUCT/MATERIAL

General Questions:

Does COPA03 includes only Level 5 materials or all? Scope?

Material state captured??

Requirements	Descripting	Comment	Existing transparency source (Query in BW, table in SF or AP)	Technical name in the transparency source (BW, SAP, SF,...)	Transformations for transparency dashboard
material ID (target model)		<p>Generated by Datalake by referring to C_MATNR2</p> <p>Material is a product packaged. It provides the lowest granularity level. One product can be packaged differently that is identified with different material ID</p> <p>Important note: In various source tables, product /material are available in various hierarchy. To think how to model in data lake to be manipulated /distinguished easily for various applications.</p>			
Material (name & code)	Material is a product packaged. It provides the lowest granularity level. One product can be packaged differently	Currently is used in COPA03 but to explore the right source	COPA03 C_MATNR2	<p>Material Name: Medium name C_MATNR2 . TXTMD</p> <p>Material code C_MATNR2 . (technical name?)</p>	

<p>Material group /Product  (both code &amp; name)</p>	<p>Non packaged material</p>	<p>There are two attributes in COPA03 that are merged in one field in the transparency dashboard. One refers to SpP and the other refers to other GBUs. Architect to decide how to design in data lake.</p> <p>-----</p> <p>Suggested for data lake design to create 3 fields: 1- Merge of the two in one field (same as what is existing in the transparency dashboard)</p> <p>Material Group for SP =&gt; C_MATNR2. [C_MAT_GRP] Material_Group</p> <p>Material group other GBUs =&gt; C_MATNR2. [C_PROD] Commercial product / Material Group</p> <p>2- Material group:  Material Group for SP =&gt; C_MATNR2. [C_MAT_GRP] Material_Group</p> <p>3- Material group other GBUs =&gt; C_MATNR2. [C_PROD] Commercial product / Material Group</p>	<p>COPA03</p>	<p>C_MATNR2. [C_MAT_GRP] Material_Group</p> <p>C_MATNR2. [C_PROD] Commercial product / Material Group</p>	<p>Merge of the two attributes in COPA03 in one field in</p> <p>Material Group for SP =&gt; C_MATNR2. [C_MAT_GRP]</p> <p>Material group other GBUs =&gt; C_MATNR2. [C_PROD]</p> <p>To ask if PF1 and WP1 are different</p> <p><a href="mailto:paulo.delbel@solvay.com">paulo.delbel@solvay.com</a></p>
<p>Product H4</p>		<p>In the transparency dashboard, H4 and L4 has been merged in one field. H4 is for SpP and L4 for other GBUs.</p> <p>In various source tables, product /material are available in various hierarchies. We need to think how to model in the data lake to be manipulated /distinguished easily for various applications.</p> <p>Suggestion is to make hierarchy an attribute of the product in the target model design (no need to build a hierarchy in the data lake). For each hierarchy consider to have one attribute in the product dimension</p>	<p>COPA03</p> <p>Gsheet</p>		<p>For all GBUs except SPP [C_MATNR2] Material/Attri</p> <p>The mapping file below is only used for SPP</p> <p>1qRE12ZhXjZl9Aq85CSeMDs2QuKA2NBvHngyzZ7i Sales&amp;CM H4 mapping</p> <p>Using <b>material group</b> as an input to map, the output</p>

Business line=BU		In transparency dashboard:  It is coming from icare (it is only for SpP).  there is no corresponding concept in CORE it will be empty  (corresponding in CORE might be market cluster to check?)	SF (ICARE) it is not used currently  Product2 . Business_Unit__c	Product2 . Business_Unit__c	
GBU product family	One product (or material) belongs to a product family per GBU.	Currently in the transparency dashboard there are various rules based on the GBUs to populate this field. Using COPA03 for this field, the data has been populated at sales level where both product code and GBU are available to return the GBU product family. The challenge is that, there is one product /material sold by more than one GBU that might be given various GBU product family from one GBU to another . It makes it difficult to keep the GBU product family as an attribute of product dimension in the target model to be designed.  Aligning between all the GBUs might be considered	COPA03		If GBU = SP then Mapping based on PRODUCT_KEY mapping is : input Product2 . Material_Group__c out)  if either GBU= CS or TS AND SOURCE_SYSTEM_ID Material_Product_Hier__LIP03__Key_  [C_MATNR2__C_PRDHIER] Product Hier (LIP03)  Else  if GBU is PA GBR__GBU_Material__Group__Ship_t
HPAM	Product H4 and HPAM are both linked via material group using googlesheet made by transparency team	This info is not available in BW (H4 is available in iCare but HPAM is not available to the analyst knowledge)	Gsheet  1qRE12ZhXjZi9Aq85CSeMDs2QuKA2NBvHngyzZ7qPRHs		1qRE12ZhXjZi9Aq85CSeMDs2QuKA2NBvHngyzZ7qPRHs  mapping only applies spp Sales&CM H4 mapping  Using <b>material group</b> as an input to map, the output  Exact same mapping product H4
Product manager	to be asked later		COPA03		
Product birth	the first time that the product has been produced		SF data table  See the email from Franck  <pre> SLV5_Concentration__c, SLV5_Density__c, SLV5_PR_Unit_of_Measure__c, SLV5_1_CAS_Number__c, SLV5_1_SAP_Origin__c, SLV10_Purpose__c, SLV11_PRO_GBU__c, SLV11_PRO_HDG_Code__c, SLV11_PRO_SAP_External_ID__c, SLV32_Additive_Function_Lubricants__c, SLV32_Additive_Function_MetalTreatment__c, SLV32_Benefits_HoneCare__c, SLV32_Benefits_Lubricants_text__c, SLV32_Benefits_Metal_Treatment_text__c, SLV32_Benefits_PersonalCare__c, SLV32_Challenge__c, </pre>		Calculation performed in transparency based on the  <pre> 54 LET VS_RefQuarterYear = Year(Quarterstart(Add 55 // We're in June 2023 !!!!! 56 MAPPING_PROD_BIRTH: 57 MAPPING_LOAD DISTINCT 58 Upper(SLV11_PRO_GBU__c) &amp; ' ' &amp; ProductCo 59 if(Year(Product_Birth) &gt; \$(VS_RefCurrentY 60 'Not yet comm.', // Not yet comm. 61 if(Year(Product_Birth) = \$(VS_RefCurr 62 'In ' &amp; \$(VS_RefCurrentYear), // 63 if(Year(Product_Birth) = \$(VS_Ref 64 'In ' &amp; \$(VS_RefPreviousYear) 65 if(Year(Product_Birth) &lt;= \$( 66 \$(VS_RefQuarterYear)-2) 67 if(Year(Product_Birth) &lt; 68 'Before ' &amp; \$(VS_Ref 69 if(IsNull(Product_Bir 70 'No Date', // No 71 Product_Birth 72 ) 73 ) 74 ) 75 ) 76 ) 77 ) AS Ou </pre>

Product Line (0 to X)		Consider to bring all layers  Hierarchy in SAP ERP (to check)	[C_MATNR2] Material\Attributes\[C_LIP04] Product line 04	[C_MATNR2] Material\Attributes\[C_LIP04] Product line 04  (not only to bring L4 but all layers L0, L1,...)	
GBU material group		To be decide later to add this field or not (Same as GBU product family)			
Product line E2E		It is an attribute of material-> C_MATNR2  (to be discussed later)		[OCRM_PROD] Product Line (E2E)  [OAPO_PROD] Arche Type	Name in BW: Product Line (E2E)  It is filtered by  Arche_Type_Key<->#' OR Product_Line__E2E__Key  Ask Franck
Packaging type		It is an attribute of material-> C_MATNR2	COPA03	Material_Packaging_type__Medium_Name_  [C_MATNR2] Material\Attributes\[C_PACKAG] Packaging type	
Product hierarchy PIF		define? (somebody from logistic)	COPA03	[0PROFIT_CTR__0PROD_HIER] Product Hierarchy PIF_P	
Product hierarchy		define? (somebody from logistic)  It is an attribute of the Product L3 (to check in BW)	COPA03	Prod_line3__P_hier_Key	

Unit conversion rate		<p>The current requirements in transparency dashboard is only to converting into VKG.</p> <p>Ongoing discussion in the requirements (to be discussed later)</p> <p>Q3 scope</p>	P&L (BW or SF to be checked)	<p>Business rule for UOM</p> <p><a href="#">BW Quantity Conversion</a></p>	<a href="#">blocked URL</a>
Unit		It is the attribute of the material	[QVSBS_BW_QRY_CPCOPA03_0001] QV - BW P&L & Integrated Margin Query (CAR3)	[C_MATNR2]. [UNIT_DIM] Unit	
Product brand		<p>Only available in Leo</p> <p>(naming of the field should be discussed)</p>	[QVSBS_BW_QRY_CPCOPA03_0001] QV - BW P&L & Integrated Margin Query (CAR3)	[4CPCOPA03-TGB2_C_GBR19] GBR: GBU Material Group (Ship-to)	