

Description of entities and elements in the XML standard for exchange of chemical data

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The Nordic Council of Ministers

was established in 1971. It submits proposals on co-operation between the governments of the five Nordic countries to the Nordic Council, implements the Council's recommendations and reports on results, while directing the work carried out in the targeted areas. The Prime Ministers of the five Nordic countries assume overall responsibility for the co-operation measures, which are co-ordinated by the ministers for co-operation and the Nordic Co-operation committee. The composition of the Council of Ministers varies, depending on the nature of the issue to be treated.

The Nordic Council

was formed in 1952 to promote co-operation between the parliaments and governments of Denmark, Iceland, Norway and Sweden. Finland joined in 1955. At the sessions held by the Council, representatives from the Faroe Islands and Greenland form part of the Danish delegation, while Åland is represented on the Finnish delegation. The Council consists of 87 elected members - all of whom are members of parliament. The Nordic Council takes initiatives, acts in a consultative capacity and monitors co-operation measures. The Council operates via its institutions: the Plenary Assembly, the Presidium and standing committees.

Description of entities and elements in the XML standard for exchange of chemical data

In the following table the entities and elements are explained, see also the data model description. The standard is primarily aimed at information to the Nordic Product Registers. It can be expanded to cover all chemical related information exchange. The standard is developed by the Nordic Product Register group. (For more information contact:)

The owner entity generated key number is used in member entities to connect the correct relationships between a product and members. The receiving program will automatic change these generated numbers, when data is stored in our own database.

Document definition

<i>Name elements</i>	<i>Size</i>	<i>Comments</i>
Document_gen_nr	Integer 9	Auto generated number
XML_version	Text 15	XML schema version
SystemUsedInPrep	Text 50	Datasystem used in preparation of XML file
CountryCode	Text 3	Country receiving XML file
Comments	Text 1000	Reserved for later use

Product

<i>Name elements</i>	<i>Size</i>	<i>Comments</i>
Product_gen_nr	Integer 9	Auto generated number by local database, used for relationship
ProductNo	Integer 8	Completed by The Product Register (PR) first time, later the product number must be filled in
Tradename	Text 512	Name of product
NoOfProducts	Integer 4	Simplified declaration only
RawMaterial	Text 1	Yes (Y) if this product is only a raw material declaration
DocumentType	Text 128	The purpose of the XML file. Choose between allowed values. Norway is using: - 'Declaration PR' (Declaration) - 'Annual PR' update (Annual) - 'GIS' document only
Funct	Text 128	For new products is used (<i>New</i>) for Productnumber. This function is automatic.
PrDeclarationRegul	Text 100	Comments if it is a micro-biological / biocid product
CustomClearanceNo	Text 10	EU Custom Clearance number
DateExpiration	Yyyymmdd	Expiration date (year, month, day)
TransmittingDate	Yyyymmdd hhmmss	Date and time (hour, minute, sec) auto generated then transmitted.
OarGroup	Text 2	only Norway
OarValue	Text 32	only Norway
HslHealth1	Text 2	Warning symbol (T+,T, C.....)
HslHealth2	Text 2	See previous
HslFireAndExplo1	Text 2	See previous
HslFireAndExplo2	Text 2	See previous
HslEnvironment	Text 2	See previous
LabelOnBasisOfTest	Text 1	Yes or No or blank (Y/N/), Classified because of testing
OtherLabellingInf	Text 512	
Container	Text 1024	Information on type of container, materials used in container etc.
PackingInformation	Text 1024	Information regarding volume of

		the container(s).
LabellingInfo	Text 1024	Other information stated on the label.
PesticideLabelling	Text 1024	Specific information if product is labelled as pesticide.
Comments	Text 4096	
AllComponents	Text 1	Are all components stated (Y/N)
DeclarationComment	Text 1024	
DeclarationId	Integer 15	PR identif. of declaration company
CompChanged	Text 1	Yes or No (Y/N) (annual info) Change in composition?
CompChangedDate	Integer 8	Date changed
PartOfOtherProduct	Text 512	Tradename (or productnumber)
PartOfPackage	Text 512	Tradename (or productnumber) (kit-produkter)
SameAsProduct	Text 512	Productnumber (or tradename) eg different colors of same paint
Declaration_gen_nr	Integer 9	Relationship Declaration Responsible
LabelResp_gen_nr	Integer 9	Relationship Label responsible
Manufactor_gen_nr	Integer 9	Relationship Manufactory Company
RegBy_gen_nr	Integer 9	Relationship Registration By Company
Document_gen_nr	Integer 9	Auto generated number

Productname (synonymname)

<i>Elements</i>	<i>Size</i>	<i>Comments</i>
Productname_gen_nr	Integer 9	Auto generated number by local database, used for relationship
SynonymName	Text 512	Synonym for tradename
Product_gen_nr	Integer 9	Relationship to Product

Physical

<i>Elements</i>	<i>Size</i>	<i>Comments</i>
Physical_gen_nr	Integer 9	Auto generated number by local database, used for relationship
ProductAppearance	Text 128	
SpecificAppearance	Text 15	Description of appearance (precoded ?)
Odor	Text 128	
Colour	Text 128	
SpecificSymbol	Text 3	
SpecificGravity	Digit 8.2	(Norway: Kg / m3)
BoilingPtSymbol	Text 3	
BoilingPtLowerValue	Digit 8.2	
BoilingPtHigherValue	Digit 8.2	
BoilingPtUnit	Text 8	

BoilingPtComments	Text 128	
PhProductSymbol	Text 3	
PhProductValue	Digit 5.2	
PhInSolutionSymbol	Text 3	
PhInSolutionValue	Digit 5.2	
PhInSolutionCommnt	Text 128	
FlashpointSymbol	Text 3	
FlashpointValue	Digit 8.2	
FlashpointMethod	Text 2	Values CO or CC
PartCoeffPowLow	Digit 5.2	
PartCoeffPowHigh	Digit 5.2	
Bcf	Text 25	Bio Concentration Factor
Product_gen_Nr	Integer 9	Relationship to Product

RiskPhrase

<i>Elements</i>	<i>Size</i>	<i>Comments</i>
RiskPhrase_gen_nr	Integer 9	Auto generated number by local database, used for relationship
Code	Text 14	Risk phrase (eg R10)
Product_gen_Nr	Integer 9	Relationship to Product

Branches (NACE Code)

<i>Elements</i>	<i>Size</i>	<i>Comments</i>
Branches_gen_nr	Integer 9	Auto generated number by local database, used for relationship
Percentage	Integer 3	
NaceCode	Text 6	
Description	Text 150	Only if Nace Code is missing
Product_gen_Nr	Integer 9	Relationship to Product

UseCodes (Product type)

<i>Elements</i>	<i>Size</i>	<i>Comments</i>
Usecode_gen_nr	Integer 9	Auto generated number by local database, used for relationship
Percentage	Integer 3	
UseCode	Text 6	
UseCodeDescription	Text 150	If UseCode is missing
Product_gen_Nr	Integer 9	Relationship to Product
Confidential	Text 1	Y/N
ConfidentialArgument	Text1000	Reasoning for confidentiality

Quantities

<i>Elements</i>	<i>Size</i>	<i>Comments</i>
Quantities_gen_nr	Integer 9	Auto generated number by local database, used for relationship
QuantitiesYear	Integer 4	Year produced/imported/etc
Confidential	Text 1	Yes or No (Y/N)

ConfidentialArgument	Text 4000	Give the reason for confidential towards public
ProducedYear	Digit 14.3	Tonnes pr year
ProducedRaw	Digit 14.3	- “ – (used on-site as raw material)
ProducedOther	Digit 14.3	- “ -
ImportedYear	Digit 14.3	- “ -
ImportedRaw	Digit 14.3	- “ -
ImportedOther	Digit 14.3	- “ -
RenamedYear	Digit 14.3	- “ -
ExportedYear	Digit 14.3	- “ -
Product_gen_Nr	Integer 9	Relationship to Product

A company can have different roles that are defined in relationships, but the description of a company is given only once in a common table Company.

Itemno (company own identification)

<i>Elements</i>	<i>Size</i>	<i>Comments</i>
Item_gen_nr	Integer 9	Auto generated number by local database, used for relationship
Itemno	Text 128	Company product identification
Product_gen_nr	Integer 9	Relationship to product

DeclarationRespons

<i>Elements</i>	<i>Size</i>	<i>Comments</i>
Declaration_gen_nr	Integer 9	Auto generated number by local database, used for relationship
Company_gen_nr	Integer 9	Relationship to company

Manufacturer

<i>Elements</i>	<i>Size</i>	<i>Comments</i>
Manufacturer_gen_nr	Integer 9	Auto generated number by local database, used for relationship
Company_gen_nr	Integer 9	Relationship to company

LabelResponsible

<i>Elements</i>	<i>Size</i>	<i>Comments</i>
LabelResp_gen_nr	Integer 9	Auto generated number by local database, used for relationship
Company_gen_nr	Integer 9	Relationship to company

DistributorList

<i>Elements</i>	<i>Size</i>	<i>Comments</i>
DistribList_gen_nr	Integer 9	Auto generated number by local database, used for relationship
Distributor_gen_nr	Integer 9	Relationship to company
Product_gen_nr	Integer 9	Relationship to product

Distributor

<i>Elements</i>	<i>Size</i>	<i>Comments</i>
Distributor_gen_nr	Integer 9	Auto generated number by local database, used for relationship
Company_gen_nr	Integer 9	Relationship to company

RegistrationBy (Is used when the company that is corresponding with the Product Register is not the same company as 3. Declaration Responsible)

<i>Elements</i>	<i>Size</i>	<i>Comments</i>
RegBy_gen_nr	Integer 9	Auto generated number by local database, used for relationship
Company_gen_nr	Integer 9	Relationship to company

BillingCompany (Is used when the billing address is not the same as the declaration responsible)

<i>Elements</i>	<i>Size</i>	<i>Comments</i>
RegBy_gen_nr	Integer 9	Auto generated number by local database, used for relationship
Company_gen_nr	Integer 9	Relationship to company

Company (Table with common company elements)

<i>Elements</i>	<i>Size</i>	<i>Comments</i>
Company_gen_nr	Integer 9	Auto generated number by local database, used for relationship
EnterpriseNo	Text 11	
CompanyName	Text 256	
PostAddress	Text 256	
PostCode	Text 16	
PostCity	Text 80	
PostCountryCode	Text 3	
VisitingAddress	Text 256	
Fax	Text 40	Company Reception
Phone	Text 40	Company Reception
Email	Text 256	Company
CompanyUrl	Text 256	Company

Contact (common company info)

<i>Elements</i>	<i>Size</i>	<i>Comments</i>
Contact_gen_nr	Integer 9	Auto generated number by local database, used for relationship
ContactName	Text 128	
Email	Text 256	
Phone	Text 40	
Task	Text 50	Task the contact person perform (e.g. declaration, updating, etc)
Company_gen_nr	Integer 9	Relationship to company

EmergencyPhones

<i>Elements</i>	<i>Size</i>	<i>Comments</i>
Emergency_gen_nr	Integer 9	Auto generated number by local database, used for relationship
Number	Text 40	
Text	Text 256	
Product_gen_Nr	Integer 9	Relationship to Product

HMS_Comp

<i>Elements</i>	<i>Size</i>	<i>Comments</i>
Hms_gen_nr	Integer 9	Auto generated number by local database, used for relationship
Name	Text 512	Componentname from MSDS
Product_gen_Nr	Integer 9	Relationship to Product

Component

<i>Elements</i>	<i>Size</i>	<i>Comments</i>
Comp_gen_nr	Integer 9	Auto generated number by local database, used for relationship
ComponentNo	Integer 3	
PrProductNo	Integer 8	Productnumber when raw materiel
CasNo	Text 12	For substance CasNo given.
EcNo	Tekst 9	For substance EcNO as alternate ident
Name	Tekst 512	
HslHealth1	Text 2	Warning Symbol
HslHealth2	Text 2	See previous
HslFireAndExplo1	Text 2	See previous
HslFireAndExplo2	Text 2	See previous
HslEnvironment	Text 2	See previous
Confidential	Text 1	Yes or No (Y/N) for component
ConfidentialArgument	Text 4000	Give the reason for confidential towards public
OnHazardLabel	Text 1	Yes or No (Y/N)
ExactLower	Digit 9.6	Weight %, ex: 100.000000 %
Upper	Digit 9.6	Weight %, ex: 100.000000 %
CompComments	Text 1024	Comments
Product_gen_nr	Integer 9	Relationship to product
Company_gen_nr	Integer 9	Relationship to company entity for manufacturer of raw material

CoRisk (component risk phrases)

<i>Elements</i>	<i>Size</i>	<i>Comments</i>
Corisk_gen_nr	Integer 9	Auto generated number by local database, used for relationship
Code	Text 14	
Comp_gen_nr	Integer 9	Relationship to component

CoFunction (Component function)

<i>Elements</i>	<i>Size</i>	<i>Comments</i>
CoFunction_gen_nr	Integer 9	Auto generated number by local database, used for relationship
FunctionCode	Text 6	UCN
Description	Text 150	
Comp_gen_nr	Integer 9	Relationship to component

CoNotes (Nota)

<i>Elements</i>	<i>Size</i>	<i>Comments</i>
CoNotes_gen_nr	Integer 9	Auto generated number by local database, used for relationship
Notes	Text 10	EU notes (classification)
Comp_gen_nr	Integer 9	Relationship to component

CoHazard

<i>Elements</i>	<i>Size</i>	<i>Comments</i>
CoHazard_gen_nr	Integer 9	Auto generated number by local database, used for relationship
HazardCode	Text 8	
Comp_gen_nr	Integer 9	Relationship to component