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Context Document

Cleaning Hygiene Products, Lubricants, Fuels,
Automotive and Building Product Chemicals
Context

GDSN Major Release 3.1

14-Jun-2013, Draft 1.0.0

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12 Document Summary

Document Item	Current Value
Document Title	Context Document - Cleaning Hygiene Lubricants Fuels Automotive Building Products Chemicals
BMS Release	GDSN 3.1
Document Version	Draft 1.0.0, 14-Jun-2013
Work Group Name	GDSN Major Release MSWG
BMS Template Version	2.3

13 Document Change History

Date of Change	Version	Changed By	Reason for Change	Summary of Change
7-Feb-2013	0.0.1	Mark Van Eeghem	Initial Draft	n/a
14-Jun-2013	1.0.0	Mark Van Eeghem	Comment Resolution for Community Review	See section Summary of Changes

14 Disclaimer

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49 1. Business Domain View

50 1.1. Problem Statement / Business Need

51 GDSN Major Release 3.1 is contrary to previous releases based on a Modular Item approach. In
52 previous releases all Trading Partner Neutral Information was included in one big string of classes
53 associated with Trade Item. Extensions were created for different areas, allowing inclusion of classes
54 specific to particular areas. (E.g. Audio Visual Photography, Chemical Ingredients, Apparel and Home
55 Fashion, Healthcare and Food and Beverage).

56 Major Release 3 is the first release of GDSN having multiple specialized contexts. These contexts
57 facilitate the assignment of reusable modules to a specific context. They have been created around
58 specific GPC Segments, Classes and Bricks. It are these GPC elements which define the inclusion of
59 modules into a particular context.

60 Context documents are not a Business Message Standard, but rather a help in identifying the
61 constituent parts of a given context.

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63 The context documents contain the following elements:

- 64 ■ A list of the GPC Segments, Classes and Bricks defining the specific Context
- 65 ■ A list of the modules assigned to the specific Context
- 66 ■ The Global Data Dictionary (GDD) reports for the included modules
- 67 ■ The Class Diagrams for the included modules
- 68 ■ The list of Validation Rules specific for the specific Context

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70 Please refer to the GDD for detail on specific elements in the Context Documents.

71 1.2. Objective

72 To supply the detailed design of the (specific) business information needed to meet the requirements
73 for Data Alignment within the context of:

- 74 ■ Cleaning Hygiene Products, Lubricants, Fuels, Automotive and Building Product Chemicals

75  **Note:** These are products that are chemical based and are not for human or animal
76 consumption and are used for household or commercial purposes to clean, paint, seal, fuel,
77 lubricate etc.

78 1.3. Audience

79 The audience of this particular context document would be any participant in the global supply chain.
80 This would include retailers, manufacturers, service providers and other third parties.

81 It is specifically intended for those participants interested in the Cleaning Hygiene Products,
82 Lubricants, Fuels, Automotive and Building Product Chemicals Context.

83 1.4. References

- 84 ■ [1] BMS Shared Common Library Release 3.1
- 85 ■ [2] Trade Item Library Release 3.1
- 86 ■ [3] BRAD for Major Release GDSN 3.X
- 87 ■ [4] GDD (<http://apps.gs1.org/gdd>)

88 1.5. Acknowledgements

89 The following is a list of individuals (and their companies) who participated in the creation, review and
 90 approval of this Context Document.

91 1.5.1. Mission Specific Work Group (MSWG)

Function	Name	Company / organisation
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MSWG Member	Mac Young	Waldo County General Hospital
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92 1.5.2. Development Team Members

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Standards Content Lead	Mark Van Eeghem	GS1
Technical Development Lead	Not Applicable	

Function	Name	Organisation
Peer Review	Eric Kauz	GS1
Technical Communications Review		

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94 **2. Business Context**

Context Category	Value(s)
Industry	All
Geopolitical	All
Product	Cleaning Hygiene Products, Lubricants, Fuels, Automotive and Building Product Chemicals
Process	Distribute Product Information
System Capabilities	GS1
Official Constraints	None

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3. GPC Bricks included in the Cleaning Hygiene Products, Lubricants, Fuels, Automotive and Building Product Chemicals Context

3.1. GPC Classes Included in Context

Segment Code	Segment Description	Family Code	Family Description	Class Code	Class Description
47000000	Cleaning/Hygiene Products	47100000	Cleaning Products	47101600	Cleaners
47000000	Cleaning/Hygiene Products	47100000	Cleaning Products	47102000	Cleaning Variety Packs
47000000	Cleaning/Hygiene Products	47100000	Cleaning Products	47101500	Fresheners/Deodorisers
47000000	Cleaning/Hygiene Products	47100000	Cleaning Products	47101700	Laundry
47000000	Cleaning/Hygiene Products	47100000	Cleaning Products	47101900	Surface Care
47000000	Cleaning/Hygiene Products	47190000	Cleaning/Hygiene Products Variety Packs	47190100	Cleaning/Hygiene Products Variety Packs
47000000	Cleaning/Hygiene Products	47200000	Cleaning/Hygiene Supplies	47200100	Product Supplies Dispensers
47000000	Cleaning/Hygiene Products	47120000	Insect/Pest/Allergen Control	47121500	Insect/Pest/Allergen Control
47000000	Cleaning/Hygiene Products	47210000	Waste Management Products	47210100	Waste Storage Products
87000000	Fuels	87010000	Fuels/Fuel Additives	87010200	Fuel Additives
87000000	Fuels	87010000	Fuels/Fuel Additives	87010500	Fuels/Fuel Additives Variety Packs
87000000	Fuels	87010000	Fuels/Fuel Additives	87010100	Fuels/Ignition Aids
81000000	Lawn/Garden Supplies	81010000	Lawn/Garden Supplies	81010200	Lawn/Garden Chemicals/Treatments
88000000	Lubricants	88030000	Lubricants Variety Packs	88030100	Lubricants Variety Packs
88000000	Lubricants	88010000	Lubricants/Protective Compounds	88010500	Lubricants/Protective Compounds Variety Packs
88000000	Lubricants	88010000	Lubricants/Protective Compounds	88010100	Lubricating Products
88000000	Lubricants	88010000	Lubricants/Protective Compounds	88010200	Protective Compounds



Note: The following Product Classifications are included within the above GPC segments but are not a part of this context.

Segment Code	Segment Description	Class Code	Description	Brick Code	Family Description	Resolution
88000000	Lubricants	87020100	Fuel Pumps	10005256	Fuel Pumps (Non Powered)	Distribute Product Information for Building Products, Automotive, Tools, Office and Arts Supply Products
88000000	Lubricants	87020100	Fuel Pumps	10005257	Fuel Pumps (Powered)	Distribute Product Information for Building Products, Automotive, Tools, Office and Arts Supply Products
88000000	Lubricants	87020200	Fuel Storage	10005258	Gas Fuel Bottles/Canisters (Empty)	Distribute Product Information for Building Products, Automotive, Tools, Office and Arts Supply Products
88000000	Lubricants	87020200	Fuel Storage	10005306	Liquid Fuel Bottles/Containers (Empty)	Distribute Product Information for Building Products, Automotive, Tools, Office and Arts Supply Products

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4. Modules assigned to the Cleaning Hygiene Products, Lubricants, Fuels, Automotive and Building Product Chemicals Context

Module Name	Description	Link
Alcohol Information Module	A module containing details on products traditionally containing alcohol	Alcohol_Information_Module.pdf
Allergen Information Module	A module containing information on allergens for a trade item.	Allergen_Information_Module.pdf
Battery Information Module	Battery information for a trade item.	Battery_Information_Module.pdf
Certification Information Module	A module containing information on certification standards to which the trade item, or the process by which it is manufactured, sourced or supplied complies.	Certification_Information_Module.pdf
Chemical Regulation Information Module	A module containing information on any chemical properties a chemical may have according to a specific regulation for example carcinogen.	Chemical_Regulation_Information_Module.pdf
Consumer Instructions Module	A module contain instructions on how the consumer is to use or store a trade item.	Consumer_Instructions_Module.pdf
Controlled Substances Module	Information on controlled substances based upon the degree of the substance's medicinal value, harmfulness, and potential for abuse or addiction.	Controlled_Substances_Module.pdf
Dangerous Substance Information Module	A module detailing substances that can harm people, other living organisms, property, or the environment.	Dangerous_Substance_Information_Module.pdf
Trade Item Data Carrier And Identification Module	A means to represent data in a machine readable form; used to enable automatic reading of the element strings.	Trade_Item_Data_Carrier_And_Identification_Module_.pdf

Module Name	Description	Link
Delivery Purchasing Information Module	A module containing information on the available ordering, purchasing and delivery for a trade item.	Delivery Purchasing Information Module.pdf
Duty Fee Tax Information Module	A module containing information on a duty, fee or tax which may be applicable to a trade item.	Duty Fee Tax Information Module.pdf
Electronic Device Characteristics Information Module	A module containing technical and other product characteristics for electronic items.	Electronic Device Characteristics Information Module.pdf
Farming And Processing Information Module	Information on any farming or processing performed on and agricultural trade item.	Farming And Processing Information Module.pdf
Transportation Hazardous Classification Module	A module containing information on hazardous information for a trade item.	Transportation Hazardous Classification Module.pdf
Health Related Information Module	A module containing marketing or regulatory information specific to health or safety.	Health Related Information Module.pdf
Health Wellness Packaging Marking Module	Indicates any marking on the packaging of a trade item, including labelling of information related to allergens, suitable diet, safety and ingredients.	Health Wellness Packaging Marking Module.pdf
Marketing Information Module	A module containing information on a trade item meant to convey features and benefits and targeted customer.	Marketing Information Module.pdf
Nonfood Ingredient Module	A module providing information on ingredients for items that are not food for example detergents, medicines.	Nonfood Ingredient Module.pdf
NonGTIN Logistics Unit Information Module	A module detailing information on a logistics item without a GTIN.	NonGTIN Logistics Unit Information Module.pdf
Packaging Information Module	Packaging information for a trade item.	Packaging Information Module.pdf

Module Name	Description	Link
Packaging Marking Module	A module containing details on markings on the packaging of the trade item for example dates, environment.	Packaging_Marking_Module.pdf
Physical Resource Usage Information Module	A module containing Information on resource usage for the trade item.	Physical_Resource_Usage_Information_Module.pdf
Place of Item Activity Module	Origin and other information for the purposes of customs, marketing, etc.	Place_Of_Item_Activity_Module.pdf
Platform Information Module	Platform information for a trade item.	Platform_Information_Module.pdf
Promotional Item Information Module	A module providing details of the type of promotional item.	Promotional_Item_Information_Module.pdf
Propellant Information Module	Information on compressed gas or propellant contained in the trade item.	Propellant_Information_Module.pdf
Referenced File Detail Information Module	Information specifying a link to a file external to the message itself.	Referenced_File_Detail_Information_Module.pdf
Regulated Trade Item Module	Information on applicable government regulations a trade item is in compliance with.	Regulated_Trade_Item_Module.pdf
Safety Data Sheet Module	A module containing information usually contained on a safety data sheet or on a material safety data sheet as it is referred to in some target markets.	Safety_Data_Sheet_Module.pdf
Sales Information Module	Sales information regarding price and selling conditions/ restrictions of the Trade Item to the consumer.	Sales_Information_Module.pdf
Sustainability Module	Properties of the trade item that can affect the ecological or human environment.	Sustainability_Module.pdf
Trade Item Description Module	A module carrying general descriptions of the trade item including brand, form, variant.	Trade_Item_Description_Module.pdf
Trade Item Disposal Information Module	Information on the disposal of the trade item for the purposes of sustainability.	Trade_Item_Disposal_Information_Module.pdf



Module Name	Description	Link
Trade Item Handling Module	Instruction on the way to treat goods during transport and storage.	Trade_Item_Handling_Module.pdf
Trade Item Hierarchy Module	A module containing information on how the hierarchical structure of a trade item for example number of layers on a pallet	Trade_Item_Hierarchy_Module.pdf
Trade Item Lifespan Module	A module containing information on the amount of time the item can or should be used, sold, etc.	Trade_Item_Lifespan_Module.pdf
Trade Item Measurements Module	A module containing measurement information for the trade item.	Trade_Item_Measurements_Module.pdf
Trade Item Temperature Information Module	Information on temperatures considerations for trade item.	Trade_Item_Temperature_Information_Module.pdf
Variable Trade Item Information Module	A module with information specific to variable weight or dimension trade items.	Variable_Trade_Item_Information_Module.pdf
Module Warranty Information Module	An assurance that the trade item is reliable and that repairs or replacement will be done free of charge within a given time limit and under certain conditions in the event of a defect.	Warranty_Information_Module.pdf

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115 **5. Enumerations and Code Lists referenced in the**
116 **Cleaning Hygiene Products, Lubricants, Fuels,**
117 **Automotive and Building Product Chemicals Context**

118 **5.1. External Code Lists**

119 Relevant external code lists can be found at the following link:

120 [External Code Lists](#)

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6. Validation Rules specific to the Cleaning Hygiene Products, Lubricants, Fuels, Automotive and Building Product Chemicals Context

Validation Rule Groupings	Link
Validations for All Product Contexts	GDSN_Validation_Rules_All
Validation Rules specific to the Cleaning Hygiene Products, Lubricants, Fuels, Automotive and Building Product Chemicals Context	Rules By Context_CHPLFABPC.xlsx

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7. Appendices

Not Applicable

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8. Summary of Changes

Change	Report Version																																									
Initial Draft	0.0.1																																									
<p>Changes for Comment Resolution Community Review:</p> <ul style="list-style-type: none"> Added line numbering to doc Updated all dates + upped version # Updated all hyperlinks to point to the latest external files. Removed the link to the context specific VRs as these are now in the general sheet. Removed following bricks from the GPC inclusion list: <table border="1"> <tbody> <tr> <td>87020100</td> <td>Fuel Pumps</td> </tr> <tr> <td>87020200</td> <td>Fuel Storage</td> </tr> <tr> <td>77010400</td> <td>Automotive Appearance Chemicals</td> </tr> <tr> <td>83012100</td> <td>Sealants/Fillers/Adhesives</td> </tr> </tbody> </table> <ul style="list-style-type: none"> Added following bricks to the GPC inclusion list: <table border="1"> <tbody> <tr> <td>83010400</td> <td>Painting</td> <td>10005657</td> <td>Preservers/Preservatives</td> </tr> <tr> <td>83010400</td> <td>Painting</td> <td>10002462</td> <td>Special Purpose Paints</td> </tr> <tr> <td>83010400</td> <td>Painting</td> <td>10005687</td> <td>Trim Paints</td> </tr> <tr> <td>83010400</td> <td>Painting</td> <td>10002466</td> <td>Wood Finish/Treatments/Coatings</td> </tr> <tr> <td>83010400</td> <td>Painting</td> <td>10003874</td> <td>Household Paints/Primers</td> </tr> <tr> <td>83010400</td> <td>Painting</td> <td>10005655</td> <td>Paint Additives/Enhancers</td> </tr> <tr> <td>83010400</td> <td>Painting</td> <td>10005706</td> <td>Paint/Stain Strainers</td> </tr> <tr> <td>83010400</td> <td>Painting</td> <td>10002501</td> <td>Paint/Varnish Removers/Cleaners</td> </tr> </tbody> </table>	87020100	Fuel Pumps	87020200	Fuel Storage	77010400	Automotive Appearance Chemicals	83012100	Sealants/Fillers/Adhesives	83010400	Painting	10005657	Preservers/Preservatives	83010400	Painting	10002462	Special Purpose Paints	83010400	Painting	10005687	Trim Paints	83010400	Painting	10002466	Wood Finish/Treatments/Coatings	83010400	Painting	10003874	Household Paints/Primers	83010400	Painting	10005655	Paint Additives/Enhancers	83010400	Painting	10005706	Paint/Stain Strainers	83010400	Painting	10002501	Paint/Varnish Removers/Cleaners	1.0.0	
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83010400	Painting	10002501	Paint/Varnish Removers/Cleaners																																							

Change				Report Version	
83012100	Sealants/Fillers/Adhesives				
81011700	Lawn/Garden Animal Repellents/Deterrents				
77015100	Automotive Antifreeze				
77010400	Automotive Appearance Chemicals				
77010500	Automotive Performance Chemicals				
77010900	Automotive Transmission Fluid				
77014900	Automotive Window Washer Fluid				
<ul style="list-style-type: none"> • Added line 102, containing the exclusion list of GPC bricks. • Added module "Alcohol Information Module" • Added module "Allergen Information Module" • Renamed module "Certification Module" to "Certification Information Module" • Added module "Consumer Instructions Module" • Renamed module "Controlled Substance Module" to "Controlled Substances Module" • Renamed module " Data Carrier Information Module" to "Trade Item Data Carrier And Identification Module" • Renamed module " Farming Processing Information Module" to " Farming And Processing Information Module" • Renamed module " Hazardous Information Module " to "Transportation Hazardous Classification Module" • Added module " Health Related Information Module " • Added module " Health Wellness Packaging Marking Module " • Renamed module " Physical Resource Usage Module" to " Physical Resource Usage Information Module" • Renamed module " Sales Conditions Information Module" to " Sales Information Module" 					

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