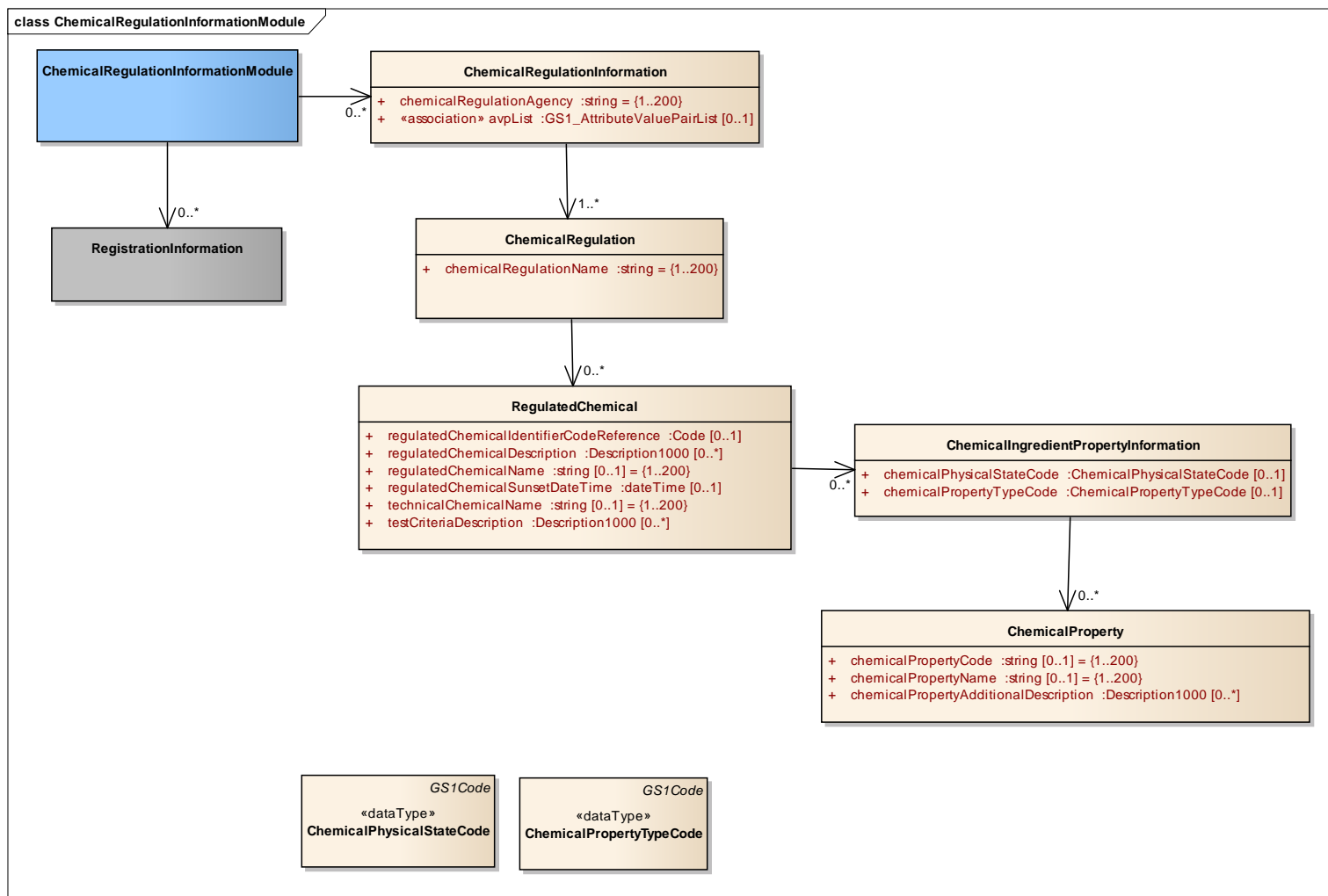


5.12. Chemical Regulation Information Module



Note: Common class (in grey) is located in the GDSN Common Library.

| Content | Attribute / Role | Datatype /Secondary class | Multipl icity | Definition |
|---|---|-----------------------------|------------------|---|
| ChemicalIngre dientPropertyI nformation | | | | Information on any chemical properties a chemical may have according to a specific regulation for example carcinogen. |
| Association | | ChemicalProperty | 0..* | Chemical property information for a regulated chemical. |
| Attribute | chemicalPhysicalStateCode | ChemicalPhysicalState Code | 0..1 | The state of matter of the trade item, for example LIQUID. |
| Attribute | chemicalPropertyTypeCode | ChemicalPropertyType Code | 0..1 | The type of chemical property being described expressed as a code such as TOXICITY. |
| ChemicalProp erty | | | | A characteristic of a chemical substance for example radionuclide . |
| Attribute | chemicalPropertyCode | string | 0..1 | A characteristic of a chemical substance expressed as a code. |
| Attribute | chemicalPropertyName | string | 0..1 | A characteristic of a chemical substance expressed as a name for example radionuclide. |
| Attribute | chemicalPropertyAdditionalDescript ion | Description1000 | 0..* | A description of any conditions regarding a toxicity property for example a route of exposure and a target organ (e.g. inhalation and lungs). |
| ChemicalRegu lation | | | | A regulation managed by a regulatory agency to designed to restrict the handling, use, disposal of chemical ingredients for example Right to Know or CERCLA. |
| Association | | RegulatedChemical | 0..* | A chemical regulated by a chemical regulation. |
| Attribute | chemicalRegulationName | string | 1..1 | The name of a regulation managed by a regulatory agency designed to restrict the handling, use, disposal of chemical ingredients for example Right to Know or CERCLA. |
| ChemicalRegu lationInformati on | | | | Provides information on any chemical lists that pertain to the trade item for example CERCLA Priority List. |
| Association | avpList | GS1_AttributeValuePair List | 0..1 | The transmission of non-standard data done in a simple, flexible, and easy to use method. |
| Association | | ChemicalRegulation | 1..* | A regulation managed by a regulatory agency to designed to restrict the handling, use, disposal of chemical ingredients for example Right to Know or CERCLA. |

| Content | Attribute / Role | Datatype /Secondary class | Multipl icity | Definition |
|-------------------------------------|--|---------------------------------------|------------------|---|
| Attribute | chemicalRegulationAgency | string | 1..1 | An agency that regulates chemicals for example the US Environmental Protection Agency. |
| RegulatedChemical | | | | Provides details on any chemical regulated by a chemical regulation. |
| Association | | ChemicalIngredientPropertyInformation | 0..* | Provides any required chemical property for example Toxicity. |
| Attribute | regulatedChemicalIdentifierCodeReference | Code | 0..1 | An identifier for a regulated chemical for example a CAS number. |
| Attribute | regulatedChemicalDescription | Description1000 | 0..* | A text description of the regulated chemical or formula. |
| Attribute | regulatedChemicalName | string | 0..1 | The name of a chemical regulated by a chemical regulation for example Chlorobenzene. |
| Attribute | regulatedChemicalSunsetDateTime | dateTime | 0..1 | As the date from which the placing on the market and the use of a substance is prohibited or restricted. |
| Attribute | technicalChemicalName | string | 0..1 | The official technical name for a chemical as required by a managing agency for example mercuric chloride. |
| Attribute | testCriteriaDescription | Description1000 | 0..* | A description of any the criteria or test data being used to determine if a regulated chemical for example "Subject to Acute toxicity tests". |
| ChemicalRegulationInformationModule | | | | A module containing information on any chemical properties a chemical may have according to a specific regulation for example carcinogen. |
| Association | | RegistrationInformation | 0..* | Registration information for a chemical or substance for example a pesticide. |
| Association | | ChemicalRegulationInformation | 0..* | Information on any chemical properties a chemical may have according to a specific regulation for example carcinogen. |