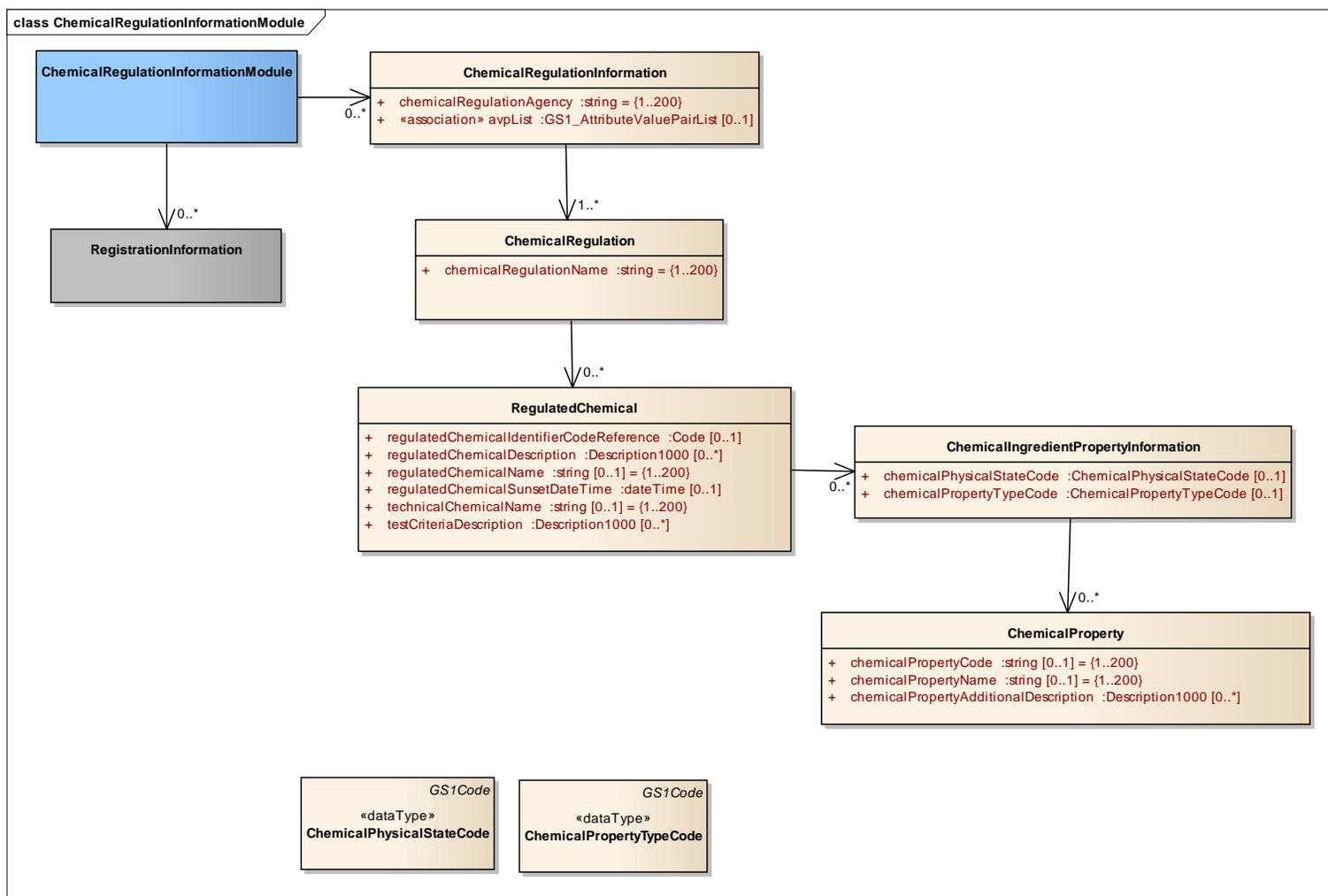


## 5.12. Chemical Regulation Information Module



**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.