



# Product Material Declaration Datasheet

Issue Date: 15<sup>th</sup> October 2019

Products: xSpan Gateway Readers  
Impinj Part Number: IPJ-REV-R660-XXX

## Summary:

**RoHS** xSpan Gateway readers, supplied by Impinj, Inc, are RoHS compliant. Since all part components within the reader have been purchased and processed to the RoHS standard, the entire assembly meets the Directive 2002/95/EC (RoHS), 2011/65/EU (RoHS2), and 2015/863 (RoHS 3). REACH SVHC substances are not incorporated into the Speedway family product by design.

**REACH** The products listed do not, to our current knowledge, contain substances above the legal threshold that are on the Candidate List of Substances of Very High Concern (SVHC). Our company's intention is that all products sold to our EU and EEA customers by our legal entities in Europe are compliant with REACH regulatory requirements

## Detail:

**RoHS** Table 1 identifies the environmentally banned substances related to the Directive 2002/95/EC (RoHS), 2011/65/EU (RoHS2), and 2015/863 (RoHS 3). Impinj products do not intentionally contain these substances beyond trace element amounts.

**TABLE 1**

Substances / Compounds	Weight (mg)	PPM	Analysis
Hexavalent Chromium and Compounds	0	<1000	MSDS/Supplier
Lead and Lead Compounds	0	<1000	MSDS/Supplier
Mercury and Mercury Compounds	0	<1000	MSDS/Supplier
Polybrominated Biphenyls (PBB)	0	<1000	MSDS/Supplier
Polybrominated Diphenylethers (PBDE)	0	<1000	MSDS/Supplier
Bis(2-ethylhexyl) phthalate (DEHP)	0	<1000	MSDS/Supplier
Butyl benzyl phthalate (BBP)	0	<1000	MSDS/Supplier
Dibutyl phthalate (DBP)	0	<1000	MSDS/Supplier
Diisobutyl phthalate (DIBP)	0	<1000	MSDS/Supplier
Cadmium and Cadmium Compounds	0	<100	MSDS/Supplier

## REACH

Our Company's intention is that all products sold to our EU and EEA customers by Our Company legal entities in Europe (2) are compliant with REACH regulatory requirements.

REACH requires registration for individual substances (1) (on their own or in preparations(3)) greater than one metric ton per year produced or imported.

Each importer is responsible for his own compliance with REACH; and Our Company products bought from a supplier outside of EU/EEA may not necessarily be compliant with REACH requirements.

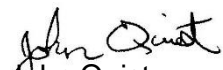
Most of the products we sell do not, to our current knowledge, contain substances above the legal threshold (4) that are on the Candidate List of Substances of Very High Concern (SVHC substances) as published on the ECHA website on 16<sup>th</sup> July 2019. For those few products that contain an SVHC, we notify our direct customers and distributors to inform them of the presence of an SVHC and our plans to address the issue.

To fully understand the obligations that you as our customer have under REACH, we recommend that you consult the REACH website at [http://echa.europa.eu/home\\_en.asp](http://echa.europa.eu/home_en.asp)

- (1) Substance: a chemical element and its compounds in the natural state or obtained by any manufacturing process, including any additive necessary to preserve its stability and any impurity deriving from the process used, but excluding any solvent which may be separated without affecting the stability of the substance or changing its composition (REACH, Article 3.1)
- (2) This includes the Our Company legal entities in the EU/EEA, as well as Our Company de Nemours International Sàrl and Our Company International Operations Sàrl
- (3) Preparation: means a mixture or solution composed of two or more substances (REACH, Article 3.2)
- (4) Inclusion of a substance on the Candidate List may impose immediate legal obligations upon companies whose chemical products or articles contain more than 0.1 wt% of the substances. You can find more information about these obligations on the ECHA website:  
[http://echa.europa.eu/chem\\_data/authorisation\\_process/candidate\\_list\\_obligations\\_en.asp](http://echa.europa.eu/chem_data/authorisation_process/candidate_list_obligations_en.asp)

## Conclusion:

Impinj will continue to follow all legal requirements regarding environmental legislation. Impinj will also support customers "green" programs as a leader in RFID products.

A handwritten signature in black ink, appearing to read "John Quist".

John Quist  
Sr. Vice President of Quality and Operations  
Impinj, Inc.