Residuals And Impurities (R/I) – Best Practices, 10.02.17, version 1

Question 1: Do you have evidence for the PRESENCE of R/I for your Product/Material/Substance based on direct testing, supplier SDS, or other supplier documentation?

YES

Note any R/I known to be present in the Product/Material at or above the declared Inventory Threshold*

Determine GreenScreen® score for each R/I noted above (via e.g. Pharos CML, HPD Builder, GreenScreen® Store)

All R/I noted above with GS score of BM-1, LT-1, LT-P1 or NoGS must be disclosed in Content Inventory for Product/Material (Section 2).

R/I NOTES: See Guidance for detailed instructions. Include the following (as applicable):

- Method(s) used to obtain R/I results, e.g. - Direct testing method used - Supplier SDS or other documentation - Process chemistry (Pharos CML/Quartz Database)
- If R/I investigated but no reportable R/I were identified, this must be stated
- Additional information on R/I as available; e.g. source of R/I; substance with which R/I associated

NO

Question 2: Could your product be considered a “Common Product”, as listed in Quartz1 or Pharos CML2?

YES (Follow Path A)

For your product type, review “Impurities” section in Quartz Project database; and/or “Process Chemistry - Known or Potential Residuals” section in Pharos CML²

Note any R/I with “% Wt. Whole” listed at or above the declared Inventory Threshold* OR listed as “% Unknown”

Determine GreenScreen® score for each R/I noted above (via, e.g. Pharos CML, HPD Builder, GreenScreen® Store)

All R/I noted with GS score of BM-1, LT-1, LT-P1 or NoGS must be disclosed in Content Inventory for Product/Material (Section 2); unless:

- Substance with which R/I associated not used in Product/Material; or
- is used at level below declared Inventory Threshold*; or
- Documentation (e.g. SDS, supplier disclosure letter) confirms R/I falls below declared Inventory Threshold*

NO

(Follow Path B)

Review “Process Chemistry - Known or Potential Residuals” in Pharos CML² for each chemical/substance intentionally added at or above declared Inventory Threshold* (SCIL?)

Note any R/I with “Percentage” listed at or above disclosed Inventory Threshold* (calculated based on amount of substance used in formulation) or listed as “% Unknown”

Determine GreenScreen® score for each R/I noted above (via, e.g. Pharos CML, HPD Builder, GreenScreen® Store, etc.)

All R/I noted with GS score of BM-1, LT-1, LT-P1 or NoGS must be disclosed in Content Inventory for Product/Material; unless:

- Substance with which R/I associated not used in Product/Material; or
- is used at level below declared Inventory Threshold*; or
- Documentation (e.g. SDS, supplier disclosure letter) confirms R/I falls below declared Inventory Threshold*

Question 3: Are additional/alternate substances used in your product at or above declared Inventory Threshold* that are not included in the “General Composition” (Quartz²) or “Common Contents” (Pharos CML²)?

YES

For your product type, review “Impurities” section in Quartz Project database; and/or “Process Chemistry - Known or Potential Residuals” section in Pharos CML²

Note any R/I with “% Wt. Whole” listed at or above the declared Inventory Threshold* OR listed as “% Unknown”

Determine GreenScreen® score for each R/I noted above (via, e.g. Pharos CML, HPD Builder, GreenScreen® Store)

All R/I noted with GS score of BM-1, LT-1, LT-P1 or NoGS must be disclosed in Content Inventory for Product/Material (Section 2); unless:

- Substance with which R/I associated not used in Product/Material; or
- is used at level below declared Inventory Threshold*; or
- Documentation (e.g. SDS, supplier disclosure letter) confirms R/I falls below declared Inventory Threshold*

NO

FINISHED WITH R/I REVIEW; See “R/I NOTES”

R/I NOTES: See Guidance for detailed instructions. Include the following (as applicable):

- Method(s) used to obtain R/I results, e.g. - Direct testing method used - Supplier SDS or other documentation - Process chemistry (Pharos CML/Quartz Database)
- If R/I investigated but no reportable R/I were identified, this must be stated
- Additional information on R/I as available; e.g. source of R/I; substance with which R/I associated

1 www.QuartzProject.org
2 www.PharosProject.net
* See “R/I Best Practices” Statement for explanation