

Evaluation Report for Category B, Subcategory 1.1, 1.3 Application

Application Number: 2014-0895
Application: Changes to TGAI; New Source and Changes to Product Chemistry Specifications
Product: Ferric Phosphate Technical Active Ingredient
Registration Number: 26101
Active ingredients (a.i.): Iron (present as ferric phosphate)
PMRA Document Number : 2489363

Purpose of Application

The purpose of this application was to register a new source of iron (present as ferric phosphate) for Ferric Phosphate Technical Active Ingredient.

Chemistry Assessment

Common Name: Ferric phosphate
IUPAC* Chemical Name: Iron (III) phosphate or ferric phosphate
CAS† Chemical Name: Phosphoric acid iron (3+) salt (1:1)

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

Ferric Phosphate Technical Active Ingredient has the following properties:

Property	Result
Colour and physical state	White to buff powder
Nominal concentration	29% iron (present as ferric phosphate)
Odour	Odourless
Density	2.87 g/mL
Vapour pressure	3.0×10^{-2} Pa (at 20°C); 3.6×10^{-2} Pa (at 25°C); 8.2×10^{-2} Pa (at 50°C)
pH	N/A
Solubility in water	Practically insoluble

Property	Result
n-Octanol/water partition coefficient	N/A

The chemistry requirements for Ferric Phosphate Technical Active Ingredient have been fulfilled.

Health, Environmental and Value Assessments

It was determined that health, environmental and value assessments were not required for this application.

Conclusion

The new source of iron (present as ferric phosphate) for Ferric Phosphate Technical Active Ingredient was found to be chemically equivalent to the previously registered source of the TGAI and was approved.

References

PMRA

Document

Number	Reference
2401210	2014, 26101 FeP TGAI [Privacy Info Removed] Chemistry Volume 12 Mar14, DACO: 2.0,2.1,2.11,2.11.1,2.11.2,2.11.3,2.11.4,2.12,2.12.1,2.13,2.13.1,2.13.2,2.13.3,2.13.4,2.14,2.14.1,2.14.10,2.14.11,2.14.12,2.14.13,2.14.14,2.14.2,2.14.3,2.14.4,2.14.5,2.14.6,2.14.7,2.14.8,2.14.9,2.2,2.3,2.3.1,2.4,2.5,2.6,2.7,2.8,2.9 CBI
2401211	2013, [Privacy Info Removed] FeP Iron and Phosphorus Analyses Report 3Dec14, DACO: 2.13,2.13.1,2.13.3 CBI
2401212	2013, 26101 [Privacy Info Removed] FeP [CBI Removed] Analysis 19Dec14, DACO: 2.13,2.13.1,2.13.3 CBI
2401213	2013, 26101 [Privacy Info Removed] FeP Impurities Analysis 19Dec13, DACO: 2.13.1,2.13.4 CBI
2401214	2013, Iron Phosphate CoAs [Privacy Info Removed] 2013, DACO: 2.13.3,2.13.4
2486957	2014, [Privacy Info Removed] Impurities Analysis Batch 1 annotated, DACO: 2.13.4 CBI
2486958	2014, [Privacy Info Removed] Impurities Analysis Batch 2 annotated, DACO: 2.13.4 CBI
2486959	2014, [Privacy Info Removed] Impurities Analysis Batch 3 annotated, DACO: 2.13.4 CBI
2486960	2014, [Privacy Info Removed] Impurities Analysis Batch 4 annotated, DACO: 2.13.4 CBI
2486961	2014, [Privacy Info Removed] Impurities Analysis Batch 5 annotated, DACO: 2.13.4 CBI

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