

Evaluation Report for Category B, Subcategory 1.1 Application

Application Number: 2012-5709
Application: New/Changes TGAI Prod Chemistry-New Source (site) same registrant
Product: Fosetyl-Al Technical
Registration Number: 24563
Active ingredients (a.i.): Fosetyl-Al
PMRA Document Number: 2318003

Background

Fosetyl-Al Technical is a technical grade active ingredient with full registration. The fungicide was first registered on May 1, 1996.

Purpose of Application

The purpose of this application was to register a new source for Fosetyl-Al Technical.

Chemistry Assessment

Common Name: fosetyl-aluminum
CAS Chemical Name: aluminum tris[ethyl phosphonate]
IUPAC Chemical Name: aluminium tris(ethyl phosphonate)

Fosetyl-Al Technical has the following properties:

Property	Result
Colour and physical state	White powder
Nominal concentration	97%
Odour	Odourless
Density at 20°C	1.25 g/mL
Vapour pressure	Not applicable
pH	Not applicable
Solubility in water	120 g/L
n-Octanol/water partition coefficient (K_{ow})	$\log K_{ow} = -2.1$ to -2.7 (23°C)

The chemistry requirements for Fosetyl-Al Technical have been completed.

Health, Environmental and Value Assessments

Health, environmental and value assessments were not required for this application.

Conclusion

The PMRA has conducted a review of the available information and has determined that the addition of the new source is acceptable.

References

PMRA Document Number	Reference
1613307	2007, Fosetyl-Al technical material manufactured by [CBI removed] manufacturing process - Description of materials used to produce the product and description of production process - Codes AE F053616, RPA32545, LS74783, DACO: 2.11.1,2.11.2,2.11.3 CBI
1613308	2007, Fosetyl-Al technical material - Discussion of the formation of impurities, DACO: 2.11.4 CBI
1613309	2007, Composition statement - Technical material - Fosetyl-Al – [CBI removed], DACO: 2.12.1 CBI
2260865	2012, Material accountability of technical fosetyl-Al (AE F053616) - Five batches of technical fosetyl-Al, DACO: 2.12.1,2.12.2,2.13.2,2.13.3 CBI
2260867	2012, Validation of the IC - method AM031311FP1 - Determination of the [CBI removed] by-products in technical grade and pure fosetyl-Al (AE F053616) and in fosetyl-Na (AE C529354) by ion chromatography (IC), DACO: 2.13.1 CBI
2260870	2012, Determination of the anionic by-products in technical grade and pure fosetyl-Al (AE F053616) and fosetyl-sodium (AE C529354) technical concentrate by [CBI removed] DACO: 2.13.1 CBI
2260872	2012, Determination of [CBI removed] in fosetyl-Al (AE F053616) technical material und in fosetyl-Na (AE C529354) technical concentrate by [CBI removed], DACO: 2.13.1 CBI
2260873	2012, Validation of the IC - method AM031211FP1 - Determination of [CBI removed] in fosetyl-aluminum (AE F053616) technical material and in fosetyl-sodium (AE C529354) technical concentrate by [CBI removed], DACO: 2.13.1 CBI
2260874	2012, Validation of the IC - method AM031111FP1 - Determination of fosetyl-aluminium in fosetyl-aluminium (AE F053616) technical and pure material by [CBI removed], DACO: 2.13.1 CBI
2260875	2012, Analytical method - Determination of fosetyl-aluminium in fosetyl-aluminum (AE F053616) technical material by [CBI removed], DACO: 2.13.1 CBI
2260876	2012, Validation of the IC - method AM016007FP3 - Determination of the [CBI removed] by-products in technical grade and pure Fosetyl-Al (AE F053616) and in technical concentrate and pure Fosetyl-Na (AE C529354) by [CBI removed], DACO: 2.13.1 CBI
2260877	2012, Analytical method - Determination of sodium in fosetyl-sodium technical concentrates by [CBI removed], DACO: 2.13.1 CBI
2260883	Fosetyl-Aluminum Technical Fungicide, DACO: 2.1,2.2,2.3,2.3.1,2.4,2.5,2.6,2.7,2.8,2.9 CBI

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