

Evaluation Report for Category B, Subcategory 1.2 Application

Application Number: 2011-4195
Application: Product Chemistry – new source (site) New Registrant
Product: Emerion 7005 Concentrate
Registration Number: 31352
Active ingredients (a.i.): Ammonium salt of fatty acid
PMRA Document Number : 2393388

Purpose of Application

The purpose of this application was to register Emerion 7005 Concentrate, a new source of the active ingredient ammonium salt of fatty acid, by a new registrant.

Chemistry Assessment

Common Name: Ammonium salt of fatty acid
Chemical Name: Fatty acids, C8-C18 and C18-unsaturated, ammonium salts

Emerion 7005 Concentrate has the following properties:

Property	Result
Colour and physical state	Colourless to pale yellow liquid
Nominal concentration	36.0%
Odour	Slight ammoniacal odour
Density	1.00-1.03 g/cm ³ at 25°C
Vapour pressure	N/A as the product is a salt
pH	8 - 9
Solubility in water	Completely miscible
n-Octanol/water partition coefficient	N/A as product is completely miscible in water

The chemistry requirements for Emerion 7005 Concentrate have been completed.

Health Assessments

Based on the toxicological information submitted by the applicant and the generic information available to the PMRA, the technical grade active ingredient (TGAI) is considered to be of low toxicity via the oral, dermal and inhalation routes and is not a dermal sensitizer. The TGAI is moderately irritating to the eye, mildly irritating to skin and is likely to be irritating to the respiratory tract. There are no short-term or long-term toxicological concerns anticipated for the TGAI.

Occupational and food residue assessments were not required for this application.

Maximum Residue Limit

Since the active is not intended for use on food crops, no significant dietary exposure to ammonium salt of fatty acid is anticipated from the proposed herbicidal uses. Therefore the setting of a Maximum Residue Limit (MRL) was considered unnecessary.

Environmental Assessment

The new source of ammonium salt of fatty acid, Emerion 7005 Concentrate, will result in limited environmental exposure. Ammonium salt of fatty acid is expected to degrade rapidly and, therefore, is not expected to pose any risks to non-target organisms. Environmental concerns have been mitigated through adequate statements on the product label.

Value Assessment

A value assessment was not required for this application.

Conclusion

The PMRA has completed an assessment of the available information and is able to support the registration of Emerion 7005 Concentrate.

References

PMRA Document Number	References
2100552	Emery Agro 7001 Concentrate Chemistry Information DACO Sections 2.0 - 2.16, DACO: 2.0 CBI
2100554	Emery Agro 7001 Concentrate Batch Analysis Waiver, DACO: 2.13.3 CBI
2153481	2012, Emery Agro 7005 Concentrate Pilot scale batch Analysis, DACO: 2.13.3 CBI
2288731	2013, Emerion 7005 Concentrate Raw material Supply, DACO: 2.11.2 CBI
2288732	2010, [CBI Removed] Specifications, DACO: 2.11.2
2288733	[CBI Removed] Certificate of Analysis, DACO: 2.11.2

2288734 2012, [CBI Removed] Certificate of Analysis, DACO: 2.11.2
2288735 2010, [CBI Removed] MSDS, DACO: 2.11.2
2288737 2006, [CBI Removed] MSDS, DACO: 2.11.2
2288738 2012, [CBI Removed] Specifications, DACO: 2.11.2
2288739 2013, [CBI Removed] Compositional profile, DACO: 2.11.2 CBI
2288740 2013, [CBI Removed] MSDS, DACO: 2.11.2
2288741 2013, Emery Agro 7005 Concentrate Preliminary Analysis, DACO: 2.13 CBI
2100555 Emery Agro 7001 Concentrate Toxicology Information DACO sections 4.2.1, 4.5.7 Summary, DACO: 4.2,4.3,4.4,4.5,4.5.1,4.5.14
2100556 EA_7001_Concentrate_Attachment_1_USEPA_Regulatory_Review, DACO: 4.2.1,4.2.2,4.2.3,4.2.5,4.2.6,4.2.9
2100557 EA_7001_Concentrate_Attachemnt_2_Toxicology_waivers, DACO: 4.3.1,4.3.4,4.3.6,4.5.2,4.5.3,4.5.4,4.5.5,4.8
2100558 2005, Racer Herbicide Concentrate Primary, Eye Irritation Study in Rabbits, DACO: 4.2.4
2124211 2011, Green it 4 in1 Grass and Weed Killer RTU Ammonium Nonanoate DACOs, DACO: 4.1, 4.6, 4.6.1, 4.6.2, 4.6.3, 4.6.4, 4.6.5, 4.6.6, 4.6.8, 4.7, 4.7.1, 4.7.2, 4.7.3, 4.7.4, 4.7.5, 4.7.6, 4.8
2124698 2011, Green it 4 in1 Grass and Weed Killer Concentrate Ammonium Nonanoate DACOs, DACO: 4.1,4.6,4.6.1,4.6.2,4.6.3,4.6.4,4.6.5,4.6.6,4.6.8,4.7,4.7.1,4.7.2,4.7.3,4.7.4,4.7.5,4.7.6,4.8
2124717 2011, Green it Pro Grass and Weed Commercial Concentrate Ammonium Nonanoate DACOs, DACO: 4.1,4.6,4.6.1,4.6.2,4.6.3,4.6.4,4.6.5,4.6.6,4.6.8,4.7,4.7.1,4.7.2,4.7.3,4.7.4,4.7.5,4.7.6,4.8
2100550 2008, USEPA Ammonium Nonanoate Biopesticide Registration Action Doc 2008, DACO: 12.5.4
2100551 2011, USEPA Soap Salts RED FACTS 1992, DACO: 12.5.4
2100559 Emery Agro 7001 Concentrate Environmental Information DACO Sections 9.1, 9.8.4 Summary, DACO: 9.1,9.2,9.3.2,9.5.2,9.6.2,9.8
2100560 EA_7001_Concentrate_Attachment_3_Non_target_plant_waivers, DACO: 9.8.4
2100556 EA_7001_Concentrate_Attachment_1_USEPA_Regulatory_Review, DACO: 4.2.1,4.2.2,4.2.3,4.2.5,4.2.6,4.2.9

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