



Evaluation Report for Category B, Subcategory 1.1 Application

Application Number: 2016-5727
Application: Changes TGAI Prod Chemistry-New Source(site) same registrant
Product: Ampho 443-31
Registration Number: 18443
Active ingredients (a.i.): 1-(alkyl-amino)-3-carboxymethylaminopropane (component of Ampho 443-31)
1-(alkyl-amino)-3-aminopropane hydrochloride (component of Ampho 443-31)
PMRA Document Number : 2822247

Purpose of Application

The purpose of this application was to register a new chemistry specification form for this technical grade active ingredient.

Chemistry Assessment

Common Names: 1-(alkyl-amino)-3-carboxymethylaminopropane
(component of Ampho 443-31)

1-(alkyl-amino)-3-aminopropane hydrochloride
(component of Ampho 443-31)

IUPAC* Chemical Name: Not applicable

CAS† Chemical Name: Not applicable

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

Ampho 443-31 has the following properties:

| Property | Result |
|---------------------------|---|
| Colour and physical state | From colourless to yellow liquid |
| Nominal concentrations | 1-(alkyl-amino)-3-carboxymethylaminopropane (component of Ampho 443-31) at 13.4% 1-(alkyl-amino)-3-aminopropane hydrochloride (component of Ampho 443-31) at 16.3% |
| Odour | Amine odour |
| Density | 0.994 – 1.002 g/mL |

| Property | Result |
|---------------------------------------|--------------------------|
| Vapour pressure | 3.17 kPa (at 25°C) |
| pH | 7.5 – 8.5 |
| Solubility in water | Totally soluble in water |
| n-Octanol/water partition coefficient | Not applicable |

The required chemistry data for Ampho 443-31 have been provided, reviewed, and found to be acceptable.

Health Assessments

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

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided, and has found the information sufficient to continue to support the registration of the end-use product Ampho 443-31.

References

Studies/Information Provided by Applicant/Registrant

| PMRA Document Number | Reference |
|----------------------|--|
| 2681619 | 2016, Exigence de donnees - En reponse a la demande de l ARLA, DACO: 2.0 CBI |
| 2681620 | 2016, Analyse LC/MS-TOF de l Ampho 443-31, DACO: 2.13.1 CBI |
| 2798409 | 2017, Exigences de donnes, DACO: 2.0 CBI |
| 2804395 | 2017, Exigences de donnes, DACO: 2.0 CBI |
| 2804396 | 2017, Rapport d analyse Acide glycolique, DACO: 2.13.1 CBI |
| 2804397 | 2017, Rapport - Quantification Duomeen, DACO: 2.13.1 CBI |
| 2804398 | 2017, Rapport HCl, DACO: 2.13.1 CBI |

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