

Evaluation Report for Category B, Subcategory 1.3 Application

Application Number: 2008-1520
Application: B.1.3 : Changes to TGAI Product Chemistry – Specifications
Product: AEM 5772-TA Antimicrobial
Registration Number: 23388
Active ingredients (a.i.): 3-(Trimethoxysilyl) propyldimethyloctadecyl ammonium chloride [TAC]
PMRA Document Number : 1805725

Purpose of Application

The purpose of this application was to change the product specifications for the technical product AEM 5772-TA Antimicrobial, Reg. No. 23388.

Chemistry Assessment

Common Name: none
Chemical Name: 3-(Trimethoxysilyl) propyldimethyloctadecyl ammonium chloride

AEM 5772-TA Antimicrobial has the following properties:

Property	Result
Colour and physical state	amber
Nominal concentration	72.1%
Odour	mild
Density/Specific gravity	1.0186
Vapour pressure (20°)	92 mmHg (= 12.2 mPa)
pH	6.1
Solubility in water	100% miscible
n-Octanol/water partition coefficient	product is 100% miscible in water and alcohols

The chemistry requirements for AEM-5772-TA Antimicrobial have been completed.

Health Assessments

The change in product chemistry is not expected to impact on the toxicological profile of the product.

Environmental and Value Assessments

Environmental and value assessments are not required for this application.

Conclusion

Following the review of all available data, the PMRA can support the amendments to the product specifications for the technical product AEM 5772-TA Antimicrobial, Reg. No. 23388.

References

Studies/Information Provided by Applicant/Registrant

PMRA #	Reference
1617131	2008, Applicant, DACO: 2.1
1617132	2008, Manufacturer and Site, DACO: 2.2
1617133	2008, DACO NO. 2.11.1
1617134	2008, DACO NO. 2.11.2
1617135	2008, DACO NO. 2.11.3
1617136	2008, DACO NO. 2.11.4
1617137	2008, DACO NO. 2.12.1
1617138	2008, DACO NO. 2.13.1
1617139	2008, DACO NO. 2.13.3
1787359	2009, DACO 2.11.2 RESPONSE, CBI
1787360	2009, DACO 2.11.4 RESPONSE, CBI

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