

Evaluation Report for Category B, Subcategory 1.1 Application

Application Number: 2008-1346
Application: B.1.1 – New Source Same Registrant
Product: MGK Dog and Cat Repellent
Registration Number: 21574
Active ingredients (a.i.): Methyl nonyl Ketone (MNK)
PMRA Document Number: **2268375**

Purpose of Application

The purpose of this application was to confirm the source of technical active ingredient and to convert the guarantee from minimum to nominal.

Chemistry Assessment

Common name: methyl nonyl ketone
Chemical name: Undecan-2-one (IUPAC) or 2-Undecanone (CAS)

MGK Dog & Cat Repellent has the following properties:

Property	Results
Colour and physical state	Colourless liquid
Nominal concentration	99.7 %
Odour	Slightly acrid odour
Specific gravity at 20°C	0.826 – 0.827
Vapour pressure	5.99 Pa
pH	(not sufficiently soluble in water for pH determination)
Solubility in water	18.0 mg/L
n-Octanol/water partition coefficient	$\log K_{ow} = 4.1$

The chemistry requirements for MGK Dog & Cat Repellent have been completed.

Health, Environment and Value Assessments

Health, Environment and Value Assessments were not required for this application.

Conclusion

The PMRA has completed an assessment of the subject application and has found the information sufficient to confirm the source of technical and to convert the guarantee from minimum to nominal.

References

Studies/Information Provided by Applicant/Registrant

1462898	Information migrated from TGAI Chemistry paper files ("Brown" Files) MNK-AZA-1, DACO: 2.99 CBI
1582614	2008, Manufacturing Methods Cover Letter, DACO: 2.11
1582615	1999, Capillary-GLC For Impurities in Technical Methyl Nonyl Ketone, DACO: 2.13 CBI
1582616	1991, Product Chemistry, DACO: 2.14
1582617	1991, Product Chemistry (Supplemental Information), DACO: 2.14.14
1595947	2008, Manufacture Verification of Batch Data, DACO: 2.13.3
1793540	2009, Method Validation and 5 Lot Analysis for Impurities at 0.1% or more in Methyl Nonyl Ketone (MNK), DACO: 2.13.1,2.13.3 CBI
1793541	2009, MNK 5-Lot Certificate of Analysis, DACO: 2.13.3

ISSN: 1911-8082

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