



## Evaluation Report for Category B, Subcategory 1.1 Application

**Application Number:** 2010-0614  
**Application:** New/Changes to the technical grade active ingredient – new source (site) same registrant  
**Product:** TFM Technical A  
**Registration Number:** 29806  
**Active ingredients (a.i.):** 4-nitro-3-(trifluoromethyl)phenol sodium salt (TFM)  
**PMRA Document Number :** 1924003

### Purpose of Application

The purpose of this application is to register, a new source (site) of 4-nitro-3-(trifluoromethyl)phenol sodium salt based on the precedent product TFM Technical, Registration number. 29103. The new source of active ingredient was registered under a different Registration number than the currently registered product

### Chemistry Assessment

IUPAC Chemical Name: 4-nitro-3-(trifluoromethyl)phenol *OR* 3-trifluoromethyl-4-nitrophenol  
CAS Chemical Name:  $\alpha,\alpha,\alpha$ -trifluoro-4-nitro-m-cresol

TFM Technical A has the following properties:

Property	Result
Colour and physical state	Dark brown-red liquid
Nominal concentration	86.5%
Odour	Oily-nutty phenolic
Density	1.4-1.5 g/mL
Vapour pressure	177 mPa, estimated
pH	3.9
Solubility in water	5 g/L
n-Octanol/water partition coefficient	$\log K_{ow} = 2.68$

The chemistry requirements for TFM Technical A 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 for this application and has concluded that the information submitted was sufficient to support the registration of TFM Technical A.

### References

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- 1859409 2009, Dioxin-Furan Impurity Analysis of 5 Batches of TFM Technical-[CBI Removed], DACO: 2.13.4 CBI
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- 1147311 Chemistry requirements for the registration of technical grade of active ingredient. TFM Technical., DACO: 2.1,2.2,2.3,2.3.1,2.4,2.5,2.6,2.7,2.8,2.9 CBI 1147318 1992, Product Chemistry Data - TFM Lampricide, DACO: 2.14, 2.14.1, 2.14.2, 2.14.3, 2.14.5, 2.14.6, 2.14.7 CBI
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- 1147323 2003, Octanol/Water Partition Coefficient and Dissociation Constant of Lampricide, PAI, DACO: 2.14.10, 2.14.11, 2.14.12 CBI
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- 1147325 2003, Accelerated Storage Stability of Lampricide Exposed To Metal and Metal Ions, DACO: 2.14.13 CBI
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- 1348879 2006, Final Report: TFM-oil and TFM-EP Analyses and Discussion, DACO: 2.11, 2.13.1, 2.13.2, 2.13.3, 2.14.13 CBI
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ISSN: 1911-8082

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