Health Canada Santé Canada

# Evaluation Report for Category B, Subcategory 1.1 Application

**Application Number:** 2011-2311
**Application:** Changes TGAI Products Chemistry-New Source (site) same registrant
**Product:** Technical Fluazinam Fungicide
**Registration Number:** 27516
**Active ingredients (a.i.):** Fluazinam (FLZ)
**PMRA Document Number English PDF:** 2103251

## Purpose of Application

The purpose of this application was to register an alternate manufacturing site for the technical product, Technical Fluazinam Fungicide, PCPA Reg. No. 27516.

## Chemistry Assessment

Common Name: Fluazinam
Chemical Name: 3-chloro-*N*-[3-chloro-2,6-dinitro-4-(trifluoromethyl)phenyl]-5-(trifluoromethyl)-2-pyridinamine

Technical Fluazinam Fungicide has the following properties:

| Property | Result |
|---|---|
| Colour and physical state | Yellow granular powder |
| Nominal concentration | 97.47% |
| Odour | Strong musty |
| Density | 1.74 g/mL |
| Vapour pressure | $2.3 \times 10^{-5}$ Pa |
| pH | 6.1 – 6.2 for a 1% dispersion |
| Solubility in water | pH Solubility (mg/L)<br>5 0.131<br>7 0.157<br>9 3.384 |
| n-Octanol/water partition coefficient | log $K_{ow}$ = 1.76 |

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## 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 information provided for this application and has accepted the addition of the new manufacturing site for Technical Fluazinam Fungicide, PCPA Reg. No. 27516.

## References

### Studies/Information Provided by Applicant/Registrant


1154857 2004, Determination of n-Octanol/Water Partition Coefficient - CAPA, DACO: 2.14.11 CBI

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1243577 1998, Discussion of the Formation of Impurities Technical Fluazinam (IKF-1216), DACO: 2.11.4 CBI

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1243580 1992, Response - Fluazinam ( IKF - 1216) - (AC-66825) - Vapor Pressure, DACO: 2.14.9 CBI

1243590 1993, Fluazinam (IKF-1216) - Color, Physical State, Odor, Melting Point, Bulk Density, Oxidation-Reduction, Impact Explodability, DACO: 2.14.1,2.14.2,2.14.3,2.14.4,2.14.6,2.15 CBI

1243591 1991, Dissociation Constant of Fluazinam - Amended Final Report, DACO: 2.14.10 CBI

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