

## Evaluation Report for Category B, Subcategory 1.3 Application

**Application Number:** 2017-3345  
**Application:** Changes to TGAI Chemistry Specifications.  
**Product:** APL Diatomaceous Earth Technical Grade Active Ingredient  
**Registration Number:** 27264  
**Active ingredient (a.i.):** Silicon dioxide (present as diatomaceous earth) – freshwater fossils  
**PMRA Document Number:** 2883951

### Purpose of Application

The purpose of this application was to amend the specifications of APL Diatomaceous Earth Technical Grade Active Ingredient based on new information.

### Chemistry Assessment

APL Diatomaceous Earth Technical Grade Active Ingredient contains silicon dioxide, present as diatomaceous earth, at 67%. The required chemistry data to update the product specifications have been provided, reviewed and found to be acceptable.

### Health Assessment

APL Diatomaceous Earth Technical Grade Active Ingredient is of low acute oral, dermal, and inhalation toxicity, minimally irritating to the eyes, non-irritating to the skin, and is not a dermal sensitizer.

Silicon dioxide, present as diatomaceous earth, in APL Diatomaceous Earth Technical Grade Active Ingredient, has not been associated with silicosis, a progressive lung disease, and the International Agency for Research on Cancer (IARC) concluded that there is inadequate evidence to link amorphous silica with carcinogenicity in humans or animals.

Impurities or contaminants are not present at levels that would pose a concern to human health.

### Environmental and Value Assessments

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 update the specifications of APL Diatomaceous Earth Technical Grade Active Ingredient.

## References

### PMRA

#### Document

<b>Number</b>	<b>Reference</b>
2780276	2017, 2017 - PR171510-1514 DxF.pdf, DACO: 2.13.4 CBI
2780277	2017, 2017 Mean Calculations 5 APL DE Samples.xlsx, DACO: 2.13.3 CBI

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