



Evaluation Report for Category B, Subcategory B.3.1, B.3.12 Application

Application Number: 2015-3368
Application: Changes to Product Label - Application Rate Decrease / New Site
Product: Aqucar TN 50 Water Treatment Microbiocide
Registration Number: 16821
Active ingredient (a.i.): 2-(hydroxymethyl)-2-nitro-1,3-propanediol
(or tris(hydroxymethyl)nitromethane)
PMRA Document Number: 2666390

Purpose of Application

The purpose of this application was to amend the label for Aqucar TN 50 Water Treatment Microbiocide in order to expand the use for control of microorganisms in oil and gas production while removing the uses on metal working fluids and cooling towers, and reducing the maximum single application rate.

Chemistry Assessment

A chemistry assessment was not required for this application.

Health Assessments

The amendments to the use pattern have no impact on the acute toxicological profile of Aqucar TN 50 Water Treatment Microbiocide.

The use of Aqucar TN 50 Water Treatment Microbiocide fits within the currently registered use pattern for tris(hydroxymethyl)nitromethane. Therefore, exposure to tris(hydroxymethyl)nitromethane is not expected to increase over the exposure from the currently registered products.

Environmental Assessment

The use rates of Aqucar TN 50 Water Treatment Microbiocide in oil and gas production falls within the registered uses. The expected environmental exposure to non-target organisms is not expected to result in unacceptable environmental risk when compared to currently registered uses in terrestrial oil fields, provided that these products are used in accordance with the label instructions.

Value Assessment

Laboratory trials were provided in support of the use of Aquacar TN 50 Water Treatment Microbiocide for the control of microorganisms in drilling, completion and workover fluids, packer fluids, fracturing fluids, water floods and enhanced oil recovery fluids, injection waste fluids, oil and gas water storage and transmission systems, gas storage wells and systems, hydrotesting, pipeline pigging and scraping operations and hydrocarbon production, storage and transmission systems. The data demonstrated that Aquacar TN 50 Water Treatment Microbiocide was effective at controlling microorganisms at rates of 150-2000 ppm of product or 100-2000 ppm of product depending on the use. Therefore, the use of Aquacar TN 50 Water Treatment Microbiocide to control microbial growth in oil and gas applications is considered acceptable.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided and has found the information sufficient to support the amendments to the label for Aquacar TN 50 Water Treatment Microbiocide.

References

PMRA Document Number	Reference
2553966	2015, DACO 10.1 (Value Summaries) DACO 10.2.3.1 (Efficacy Trial Summaries), DACO: 10.1,10.2.3.1
2553967	2014, Antimicrobial Efficacy of Aquacar(TM) TN 50 Water Treatment Microbiocide for oil and gas applications, DACO: 10.2.3.2
2553968	2014, The Antimicrobial Activity of THNM Formulations: Minimum Inhibitory Concentration (MIC) Studies versus Bacteria, DACO: 10.2.3.2
2553969	2015, DACO 10.2.4 Use History, DACO: 10.2.4
2553970	2015, DACO 10.3.1 (Summaries) DACO 10.3.2 (Non-Safety Adverse Effects), DACO: 10.3.1,10.3.2

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