



## Evaluation Report for Category B, Subcategory 2.3 Application

**Application Number:** 2017-7387  
**Application:** B.2.3: New EP Product Chemistry - Identity of Formulants  
**Product:** Nalco 73650S  
**Registration Number:** 33345  
**Active ingredients (a.i.):** Sodium dichloro-s-triazinetrione  
**PMRA Document Number :** 2959168

### Purpose of Application

The purpose of this application was to register a slimicide end-use product, Nalco 73650S, based on the active ingredient sodium dichloro-s-triazinetrione. Nalco 73650S is for use in cooling waters, including recirculating cooling towers, evaporative condensers, air washers and heat exchange water systems.

### Chemistry Assessment

Nalco 73650S is formulated as tablets containing available chlorine, present as sodium dichloro-s-triazinetrione at a concentration of 56 %. The required chemistry data for Nalco 73650S have been provided, reviewed and found to be acceptable.

### Health Assessments

NALCO 73650S is considered to be of moderate acute toxicity via the oral and inhalation routes in laboratory animals, low acute toxicity via the dermal route in laboratory animals, extremely corrosive to the eyes of rabbit, severely irritating to the skin, and is not considered to be a dermal sensitizer in laboratory animals.

The use of the end-use product Nalco 73650S in recirculating process waters was assessed. No risks of concerns are expected, provided that workers follow the label directions and wear the personal protective equipment as identified on the label.

### Environmental Assessment

The uses of Nalco 73650S are within the currently registered use pattern of the active ingredient sodium dichloro-S-triazinetrione, and therefore, no additional risk is expected from the use of Nalco 73650S. The label will include updated environmental precautions and hazards statements which adequately mitigate risks to the environment.

### Value Assessment

A laboratory trial was provided demonstrating the performance of Nalco 73650S against biofilm producing bacteria as well as fungal and algal species within a cooling tower

water sample. In addition, two operational trials were provided that demonstrated Nalco 73650S to be comparable or better at controlling total bacteria as well as biofilm forming *Pseudomonas* species within a cooling water system over a month. Therefore, Nalco 73650S has been found to have acceptable value as a biocide to control slime-forming microorganisms within recirculating cooling water systems.

## Conclusion

The PMRA has reviewed the information provided in support of the end use product. Based on the results of this review, Nalco 73650S is acceptable for registration.

## References

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2827510	2017, Operational Trials, DACO: 10.2.3.4(E)

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