



## Evaluation Report for Category B, Subcategory B.1.3 Application

**Application Number:** 2005-4342  
**Application:** Evaluation Report for Category B, Subcategory B.1.3  
 (Changes to specifications and/or manufacturing process)  
**Product:** Sani-Marc DCCNa - Tablets  
**Registration Number:** 28418  
**Active ingredients (a.i.):** Sodium dichloro-s-triazinetrione at 100%  
**PMRA Document Number:** 1377564

### Background

The original form of sodium dichloro-s-triazinetrione, “Sani-Marc DCCNa Microbiocide” (Reg. No. 26667) was granular, and was first registered in 2001.

### Purpose of Application

The purpose of this application is to register a new tablet form of technical sodium dichloro-s-triazinetrione. This new form of technical grade active ingredient, “Sani-Marc DCCNa - Tablets” (Reg. No. 28418), is intended for use in the manufacturing, formulating or repackaging of swimming pool products.

### Chemistry Assessment

Common Name: Sodium Dichloroisocyanurate  
 Chemical Name: 1,3-Dichloro-1,3,5-triazine-2,4,6(1H,3H,5H)-trione, sodium salt  
 Sodium Dichloroisocyanurate Technical has the following properties:

Property	Result
Colour and physical state	white granules
Nominal concentration	62% as determined by Potentiometric titration
Odour	Strong chlorine odour
Density	2.0-2.2 g/mL
Vapour pressure	Not applicable
pH	2.5 - 3.5
Solubility in water	25g / 100 g water
n-Octanol/water partition coefficient	Not applicable

## Health Assessment

No toxicology review was conducted for the registration of the new tablet form of the technical grade active ingredient sodium dichloro-s-triazinetriene since the results from the chemistry review indicate that the new form is materially identical to the original granular form. Therefore, the health risk profile of “Sani-Marc DCCNa - Tablets” is expected to be similar to that of the originally registered granular form, “Sani-Marc DCCNa Microbiocide” (Reg. No. 26667). Information from the public literature regarding the acute toxicity of sodium dichloro-s-triazinetriene was referenced for the purpose of ensuring that the hazard and precautionary statements on the label for the new form of this active ingredient are accurate, and reflect current labelling standards.

## Environmental Assessment

An environmental assessment is not required for this application type.

## Value assessment

A value assessment is not required for technical grade active ingredient products.

## Conclusions

The PMRA has completed an evaluation of the subject application and has determined that Sani-Marc DCCNa Technical - Tablets are eligible for registration.

## 7.0 References List

### 7.1.1 Study/Information Provided by Applicant/Registrant

<b>PMRA #</b>	<b>Study/Information Provided by the Applicant/Registrant</b>
1109579	2005, Applicants Name, DACO: 2.1,2.2,2.3,2.4,2.5,2.6,2.7,2.8,2.9
1109580	2005, Manufacturing Summary, DACO: 2.11.1
1109581	2005, Description of Starting Materials, DACO: 2.11.2
1109582	2005, Detailed Production Process Description, DACO: 2.11.3
1109583	2005, Discussion of Formulation of Impurities, DACO: 2.11.4
1109584	2005, Establishing Certified Limits, DACO: 2.12.1
1109586	2005, Methodology/Validation, DACO: 2.13.1
1109587	2005, Methodology/Validation, DACO: 2.13.1
1109588	2005, Methodology, DACO: 2.13.1
1109589	2005, Confirmation of Identity, DACO: 2.13.2
1109590	2005, Batch Data, DACO: 2.13.3
1109592	2005, Storage Stability, NA, NA, MRID: NA, DACO: 2.14.14
1109593	2005, Quality Control Methods, DACO: 2.16

## 7.2.3 Additional Information Considered

### 7.2.3.1 Published Information

- PMRA #1362689. CCOHS (2006). CHEMINFO profile for sodium dichloroisocyanurate. Canadian Centre for Occupational Health and Safety, 2006.
- PMRA #1047520. Hammond, B., Barbee, S., Inoue, T., Ishida, N., Levinskas, G., Stevens, M., Wheeler, A., Cascieri, T. (1986). A review of toxicology studies on cyanurate and its chlorinated derivatives. *Env. Health Pers.* 69: 287-292.
- PMRA #1362690. USEPA (1992). EPA Reregistration Eligibility Document (RED) for Chlorinated Isocyanurates. United States Environmental Protection Agency, September, 1992.

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