

## Evaluation Report for Category B, Subcategory 1.3 Application

**Application Number:** 2010-4023  
**Application:** Changes to TGAI Product Chemistry-Specifications  
**Product:** Repak Calcium Hypochlorite  
**Registration Number:** 18123  
**Active ingredients (a.i.):** Calcium Hypochlorite  
**PMRA Document Number English PDF:** 2018381

### Purpose of Application

The purpose of this application was to update the specifications of an existing technical grade active ingredient, Repak Calcium Hypochlorite (Registration Number 18123).

### Chemistry Assessment

Common Name: calcium hypochlorite  
 Chemical Name: hypochlorous acid, calcium salt (2:1)

Repak Calcium Hypochlorite has the following properties:

Property	Result
Colour and physical state	White solid
Nominal concentration	Available chlorine 68.63% present as calcium hypochlorite
Odour	slight chlorine odour
Specific gravity	0.99-1.07
Vapour pressure	N/A as the product is a solid
pH	7.7 (1% solution)
Solubility in water	217 g/L (27°C)
n-Octanol/water partition coefficient	N/A as the product is practically insoluble in octanol and not required for an inorganic salt

The chemistry requirements for Repak Calcium Hypochlorite have been completed.

### Health Assessments

The proposed changes in the specifications of Repak Calcium Hypochlorite are not expected to impact the toxicological profile. No toxicology data are required.

## **Environmental and Value Assessment**

Environmental or value assessments were required for this application.

## **Conclusion**

The PMRA has conducted a review of the available information for this application and has concluded that the changes in the product specifications are acceptable.

## **References**

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- 2007850 The Determination of impurities[CBI REMOVED], in Cal/Hypo [CBI REMOVED], DACO: 2.13.1 CBI
- 2007852 The Determination of impurities in Cal/Hypo, DACO: 2.13.1 CBI
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