

## Evaluation Report for Category B, Subcategory 1.2 Application

**Application Number:** 2007-3717  
**Application:** B.1.2  
**Product:** Break Up CL 65% TAB  
**Registration Number:** 29021  
**Active ingredients (a.i.):** Calcium hypochlorite  
**PMRA Document Number:** 1765676

### Background

The original source of calcium hypochlorite technical grade active ingredient, “Maxoclor Calcium Hypochlorite” (Reg. 584) was first registered in 1940.

### Purpose of Application

The purpose of this application is to register a new technical source of calcium hypochlorite.

### Chemistry Assessment

Common Name: Calcium hypochlorite  
IUPAC Chemical Name: Calcium dihypochlorite  
CAS Chemical Name: Hypochlorous acid, calcium salt (2:1)

BREAK UP CL 65% Tab has the following properties:

Property	Result
Colour and physical state	White powder
Nominal concentration	65% available chlorine
Odour	Chlorine like odour
Density	1.0-1.1 g/mL (at 20-30°C)
Vapour pressure	N/A
pH	9.5
Solubility in water	21.5 g/100 mL (at 0°C) 23.4 g/100 mL (at 40°C)
n-Octanol/water partition coefficient	N/A

The chemistry requirements for BREAK UP CL 65% Tab have been completed.

## Health Assessments

A health assessment is not required for this technical grade active ingredient product.

## Environmental Assessment

An environmental assessment is not required for this technical grade active ingredient product.

## Value Assessment

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

## Conclusion

The PMRA has completed its evaluation of the subject application and has determined that Break Up CL 65% TAB is eligible for full registration.

## References

<b>PMRA Document Number</b>	<b>Reference</b>
1416848	2007, Chemistry Requirement for TGAI, DACO: 2.1,2.2,2.3,2.4,2.5,2.6,2.7,2.8,2.9
1416850	2007, Manufacturing Methods for TGAI, DACO: 2.11.1,2.11.2,2.11.3 CBI
1416852	2007, Establishing Certified Limits, DACO: 2.12.1 CBI
1416853	2007, Methodology/Validation & Confirmation of Identity, DACO: 2.13.1,2.13.2 CBI
1416854	2007, Certificate of Analysis, DACO: 2.13.3 CBI
1416856	2007, Chemical and Physical Properties, DACO: 2.14.1,2.14.10,2.14.11,2.14.12,2.14.13,2.14.14,2.14.2,2.14.3,2.14.4,2.14.5,2.14.6,2.14.7,2.14.8,2.14.9 CBI
1580436	2008, Discussion of Formation of Impurities, DACO: 2.11.4 CBI
1580438	2008, Method/Validation, DACO: 2.13.1 CBI
1580439	2008, Batch Data with Impurities, DACO: 2.13.3 CBI

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