

## Evaluation Report for Category B, Subcategory 1.1 Application

**Application Number:** 2018-3376  
**Application:** Changes to TGAI Product Chemistry - New site, same registrant  
**Product:** PL 12% Trade  
**Registration Number:** 27459  
**Active ingredient (a.i.):** Available chlorine, present as sodium hypochlorite  
**PMRA Document Number:** 3045299

### Purpose of Application

The purpose of this application was to add a new manufacturing site to the registered technical grade active ingredient (TGAI), PL 12% Trade.

### Chemistry Assessment

Common Name: Sodium hypochlorite  
IUPAC\* Chemical Name: Sodium hypochlorite  
CAS† Chemical Name: Hypochlorous acid, sodium salt (1:1)

\* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

### PL 12% Trade has the following properties:

Property	Result
Colour and physical state	Pale yellow liquid
Nominal concentration	10.3% as available chlorine
Odour	Chlorine
Density	1.15 – 1.17 g/mL
Vapour pressure	~3.2 kPa
pH	11.5 – 13.0
Solubility in water	Completely miscible
n-Octanol/water partition coefficient	Not applicable

The required chemistry data for PL 12% Trade have been provided, reviewed, and found to be acceptable.

## **Value, Health and Environmental Assessments**

Value, health and environmental assessments were not required for this application.

## **Conclusion**

The Pest Management Regulatory Agency has completed an assessment of the information provided, and has found the information sufficient to add a new manufacturing site to the registered TGAI, PL 12% Trade.

## References

<b>PMRA No.</b>	<b>Reference</b>
3021440	2019, Table matieres CODO, DACO: 2.0 CBI
3021441	2019, CODO 2.11.1 Sommaire de fabrication, DACO: 2.11.1 CBI
3021442	2019, CODO 2.11.2 Description des matieres premieres, DACO: 2.11.2 CBI
3021445	2019, CODO 2.11.3 Description detaillee du procede de fabrication, DACO: 2.11.3 CBI
3021446	2019, CODO 2.11.4 Formation des impuretes, DACO: 2.11.4 CBI
3021447	2019, CODO 2.13.1 Methodologie validation, DACO: 2.13.1 CBI
3021448	2019, Methode 5.2.0 Sodium Hypochlorite Titration, DACO: 2.13.1 CBI
3021449	2019, Methode 5.2.1 Sodium Hypochlorite titration visual aid, DACO: 2.13.1 CBI
3021450	2019, Methode 5.3.0 [CBI REMOVED], DACO: 2.13.1 CBI
3021451	2019, Methode 5.3.1 [CBI REMOVED], DACO: 2.13.1 CBI
3021452	2019, Methode 5.14.0 Appearance and Clarity Evaluation, DACO: 2.13.1 CBI
3021453	2019, Methode 5.18.0 Specific Gravity by digital Meter, DACO: 2.13.1 CBI
3021454	2019, CODO 2.13.2 Confirmation de l'identite, DACO: 2.13.2 CBI
3021455	2019, CODO 2.13.3 Donnees sur les lots, DACO: 2.13.3 CBI

ISSN: 1911-8082

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