

## Evaluation Report for Category B, Subcategory B.1.2 Application

**Application Number:** 2013-2813  
**Application:** New Source of Technical Grade Active Ingredient by a New Registrant  
**Product:** Hebei Jiheng 60  
**Registration Number:** 31707  
**Active ingredients (a.i.):** Available chlorine, present as sodium dichloro-s-triazinetrione  
**PMRA Document Number:** 2492999

### Background

The source of available chlorine, present as sodium dichloro-s-triazinetrione used to determine chemical equivalency was Registration Number 29869.

### Purpose of Application

The purpose of this application was to register a new source of the technical grade active ingredient, available chlorine, present as sodium dichloro-s-triazinetrione, by a different Registrant.

### Chemistry Assessment

**Common Name:** No ISO approved common name  
**IUPAC Chemical Name:** sodium 1,5-dichloro-4,6-dioxo-1,4,5,6-tetrahydro-1,3,5-triazin-2-olate  
**CAS Chemical Name:** 1,3,5-triazine-2,4,6-(1H,3H,5H)-trione, 1,3-dichloro-, sodium salt

Hebei Jiheng 60 has the following properties:

Property	Result
Colour and physical state	White granular solid
Nominal guarantee	available chlorine, present as sodium dichloro-s-triazinetrione at 60%
Odour	Slight odour of chlorine
Density at 23°C	0.94-0.98 g/cm <sup>3</sup>
Vapour pressure	< 0.006 Pa at 20°C
Solubility in water	24 g/L
n-Octanol/water partition coefficient	Log K <sub>ow</sub> = -0.06 (estimated)

The chemistry requirements for Hebei Jiheng 60 have been fulfilled.

### **Health and Environmental Assessments**

As the new source of available chlorine, present as sodium dichloro-s-triazinetriene is chemically equivalent to the registered source, the health and environmental risk profiles are expected to be similar to that of the product used to determine chemical equivalence. No additional assessments were required.

### **Value Assessment**

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

### **Conclusion**

The PMRA has completed an evaluation of the subject application and has determined that it can support the registration of Hebei Jiheng 60.

## References

PMRA Document Number	Reference
2308482	General Chemistry Requirements, DACO: 2.1, 2.2, 2.3, 2.3.1, 2.4, 2.5, 2.6, 2.7, 2.8 ,2.9 CBI
2308484	2007, Product Chemistry Data and Requirements Series 61, DACO: 2.11.1, 2.11.2, 2.11.3, 2.11.4, 2.12.1 CBI
2308486	2007, Analysis and Certification of Product Ingredients Series 62, DACO: 2.12.1, 2.13.1, 2.13.2 CBI
2308490	Batch data, DACO: 2.13.3 CBI
2308492	2013, General Phys/Chem, DACO: 2.14.1, 2.14.10, 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
2308495	J. OBrien, J. Morris, J. Butler, 1974, Equilibria in aqueous solutions of chlorinated isocyanurates, In: Chemical Water Supply Treatment District Symposium, 1973. (A. Rubin, Ed.), Ann Arbor Sciences, 1974, 333-358, DACO: 2.14.11 ,2.14.12
2308499	2010, Storage Stability and Corrosion Characteristics, DACO: 2.14.13,2.14.14 CBI
2393942	2014, Revised Detailed Production Process, DACO: 2.11.3 CBI
2393943	2014, Clarification Response to Impurities Concern, DACO: 2.13.4 CBI

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