

Evaluation Report for Category B, Subcategory 1.1, 1.3, 7.0 Application

Application Number: 2009-0636

Application: New/changes to technical grade active ingredient: new source

(site) and changes in product chemistry specifications.

Reinstatement of registered product.

Product: Coal Tar Creosote

Registration Number: 21876 **Active ingredients (a.i.):** Creosote **PMRA Document Number:** 1947916

Purpose of Application

The purpose of this application was to reinstate the registration of Coal Tar Creosote, (Registration Number 21876), which expired on December 31, 2006 as well as update the product guarantee from minimum to nominal and add two additional manufacturing sites of Coal Tar Creosote.

Chemistry Assessment

Accepted Name: Creosote Chemical Name: Creosote

Coal Tar Creosote has the following properties:

| Property | Result |
|---------------------------------------|----------------------------|
| Colour and physical state | Yellow Liquid |
| Nominal concentration | 100 % |
| Odour | Sharp, aromatic, wood-like |
| Specific gravity | 1.071 – 1.075 at 38°C |
| Vapour pressure | 1.5 kPa (24.4 °C) |
| pH | Not applicable |
| Solubility in water | 313 mg/L |
| n-Octanol/water partition coefficient | $log K_{ow} 3.0 - 3.6$ |



This product is a contaminant of human health or environmental concern, explicitly identified in the Canada Gazette, Part II, Vol. 142, No. 13, SI/2008-67 (2008-06-25). Individual contaminants of human health or environmental concern, expected to be present in the product include naphthalene and other polycyclic aromatic hydrocarbons, as well as aniline and substituted anilines. These compounds constitute part of the active components in the product and are not considered impurities as such.

The chemistry requirements for Coal Tar Creosote are complete.

Health Assessments

The two additional sources of Coal Tar Creosote are considered chemically equivalent to the source of Coal Tar Creosote previously registered and being reinstated under this application therefore; the toxicological profile of the material has not changed and a toxicology assessment was not required.

Environmental and Value Assessment

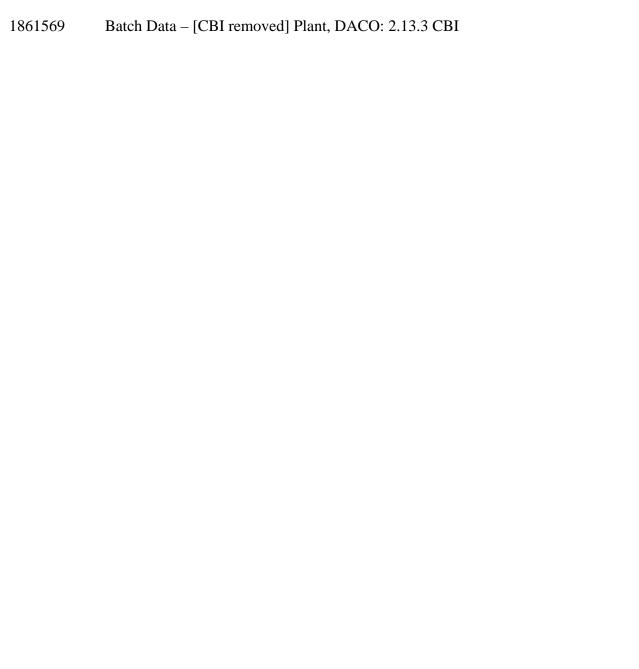
Environmental and value assessments were not required as part of this application.

Conclusion

The PMRA has completed the assessment of all available information for this application and has concluded that the reinstatement of the registration of Coal Tar Creosote, Registration Number 21876 is acceptable. The change in product guarantee and the addition of two additional sources for the production of Coal Tar Creosote were also found to be acceptable.

References

| 1861570 | 1998, Product Chemistry for Koppers Industries, Inc. Creosote Pl/P13, DACO: 2.14 CBI |
|---------|--|
| 1790487 | CRT-KPT-1 Product Chemistry, DACO: 2.99 CBI |
| 1861576 | 1999, Product Chemistry for Koppers Industries, Inc. Creosote P1/P13 Storage Stability /Corrosion Characteristics, DACO: 2.14.14 CBI |
| 1861563 | 2010, Coal Tar Creosote Manufacturing, DACO: 2.11.1, 2.11.2, 2.11.3 CBI |
| 1891868 | [CBI removed] procurement standard, DACO: 2.11.2 CBI |
| 1891866 | Description of starting materials, DACO: 2.11.2 CBI |
| 1861567 | Batch Data – [CBI removed] Plant, DACO: 2.13.3 CBI |
| 1861568 | Batch Data – [CBI removed] Plant, DACO: 2.13.3 CBI |



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