



**AGREEMENT OF THE MEMBER STATE COMMITTEE**

**ON IDENTIFICATION OF COAL TAR PITCH, HIGH TEMPERATURE**

**AS A SUBSTANCE OF VERY HIGH CONCERN**

**According to Articles 57 and 59 of  
Regulation (EC) No 1907/2006<sup>1</sup>**

**Adopted on 2 December 2009**

**This agreement concerns**

**Substance name:** Coal tar pitch, high temperature

**EC number:** 266-028-2

**CAS number:** 65996-93-2

**Molecular formula:** not applicable

**Structural formula:** not applicable

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<sup>1</sup> Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC

The European Chemicals Agency at the request of the European Commission presented a proposal in accordance with Article 59(3) and Annex XV of the REACH Regulation (31 August 2009, submission number CC018136-67) on identification of *coal tar pitch, high temperature (CTPHT)* as a substance of very high concern because of its carcinogenic (category 2), PBT and vPvB properties.

The Annex XV dossier was circulated to Member States on 31 August 2009 and the Annex XV report was made available to interested parties on the ECHA website on the same date according to Articles 59(3) and 59(4).

Comments were received by both Member States and interested parties on the proposal.

The dossier was referred to the Member State Committee on 16 November 2009 and was discussed in the meeting of the Committee on 2-4 December 2009.

**Agreement of the Member State Committee in accordance with Article 59(8):**

***Coal tar pitch, high temperature* is identified as a substance of very high concern because it fulfils the criteria of Article 57 (a), (d) and (e) of Regulation (EC) No 1907/2006 (REACH).**

## UNDERLYING ARGUMENTATION FOR IDENTIFICATION OF SUBSTANCE OF VERY HIGH CONCERN

### **Carcinogenicity:**

*Coal tar pitch, high temperature (CTPHT)* has index number 648-055-00-5 in Annex VI, part 3, Tables 3.1 and 3.2 of Regulation (EC) No 1272/2008.

*CTPHT* is classified as carcinogen (Carc. Cat.2; R45) (May cause cancer) according to Annex VI, part 3, Table 3.2 (the list of harmonised classification and labelling of hazardous substances from Annex I to Directive 67/548/EEC) of Regulation (EC) No 1272/2008<sup>2</sup>.

### **Persistence, Bioaccumulation and Toxicity:**

In accordance with the guidance available for assessment of multi-constituent and UVCB substances, the PBT assessment for *coal tar pitch, high temperature (CTPHT)* focuses on the assessment of its PAH-constituents present in concentrations  $\geq 0.1\%$ <sup>3</sup>.

An overview on the conclusions drawn on persistence, potential for bioaccumulation and toxicity to human health and/or the environment based on comparison of the data presented for 12 indicator PAH-constituents of *CTPHT* with the PBT/vPvB criteria of Annex XIII of the REACH Regulation is provided in Table 1.

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<sup>2</sup> This corresponds to a classification Carc. 1B; H350 (May cause cancer) in Annex VI, part 3, Table 3.1 of Regulation (EC) No 1272/2008 (list of harmonised classification and labelling of hazardous substances).

<sup>3</sup> Chapter R.11 (PBT assessment) of the guidance on information requirements and chemical safety assessment (ECHA)

<b>Table 1: Overview on conclusions on fulfilment of the (v)P-, (v)B- or T-criteria of Annex XIII of the REACH Regulation for the 12 Indicator PAH-constituents of CTPHT</b>					
<b>Substance</b>	<b>Persistence</b>	<b>Bioaccu- mulation</b>	<b>Toxicity Human health</b>	<b>Toxicity Aquatic Environment</b>	<b>Conclusion</b>
Anthracene	vP	B	-	T	PBT
Phenanthrene	vP	vB	-	-	vPvB
Fluoranthene	vP	vB	-	T	PBT/vPvB
Pyrene	vP	vB	-	T	PBT/vPvB
Benz(a)anthracene	vP	vB	T	T	PBT/vPvB
Chrysene	vP	vB	T	-	PBT/vPvB
Benzo(a)pyrene	vP	vB	T	T	PBT/vPvB
Benzo(b)fluoranthene	vP	No experimental data	T	-  (No signs of toxicity up to limit of water solubility)	-
Benzo(k)fluoranthene	vP	vB	T	T	PBT/vPvB
Benzo(ghi)perylene	vP	vB	-	T	PBT/vPvB
Dibenzo(a,h)anthracene	No experimental data	vB	T	T	-
Indeno(1,2,3-cd)pyrene	No experimental data	No experimental data	-	T	-

Based on the data available, it is concluded that seven of the 12 PAH-constituents present in *CTPHT* in concentrations equal to or above 0.1% are to be considered as both vPvB and PBT substances. These are: fluoranthene, pyrene, benz(a)anthracene, chrysene, benzo(a)pyrene, benzo(k)fluoranthene and benzo(ghi)perylene.

Phenanthrene fulfils the vPvB criteria, but not the PBT criteria. Anthracene fulfils the PBT criteria, but not the vPvB criteria.

For benzo(b)fluoranthene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene no definitive conclusion on their PBT/vPvB properties is possible, due to lack of data

relevant for P/vP and/or B/vB assessment in accordance with Annex XIII of the REACH Regulation.

**Conclusion:**

*Coal tar pitch, high temperature (CTPHT)* is classified as carcinogen (Carc. Cat.2, R45) according to Annex VI, part 3, Tables 3.2 of Regulation (EC) No 1272/2008.

*CTPHT*, because of the above conclusions on the vPvB and PBT properties of its PAH-constituents, needs to be considered as a substance with both vPvB and PBT properties. It is concluded that *CTPHT* is a substance containing at least 5 to 10 % of PAH-constituents with vPvB and/or PBT properties.

**Reference:**

1. Support Document *coal tar pitch, high temperature* (Member State Committee, 2 December 2009)