

Annex XV dossier

PROPOSAL FOR IDENTIFICATION OF A SUBSTANCE AS A CMR 1A OR 1B, PBT, vPvB OR A SUBSTANCE OF AN EQUIVALENT LEVEL OF CONCERN

Substance Name: Dinoseb(ISO); 6-*sec*-butyl-2,4-dinitrophenol

EC Number: 201-861-7

CAS Number: 88-85-7

Submitted by: European Chemicals Agency at the request of the European Commission

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Substance Name: dinoseb(ISO); 6-sec-butyl-2,4-dinitrophenol

EC Number: 201-861-7

CAS number: 88-85-7

The substance is proposed to be identified as substance meeting the criteria of Article 57 (c) of Regulation (EC) 1907/2006 (REACH) owing to its classification as toxic for reproduction category 1 B¹.

Summary of how the substance meets the criteria set out in Article 57 (c) of REACH (Repr. 1B).

Dinoseb(ISO); 6-sec-butyl-2,4-dinitrophenol is covered by Index number 609-025-00-7 in Regulation (EC) No 1272/2008 and classified in Annex VI, part 3, Table 3.1 (list of harmonised classification and labelling of hazardous substances) as toxic for reproduction, Repr. 1B (H360D: "May damage the unborn child."). The corresponding classification in Annex VI, part 3, Table 3.2 (the list of harmonised and classification and labelling of hazardous substances from Annex I to Directive 67/548/EEC) of Regulation (EC) No 1272/2008 is toxic for reproduction, Repr. Cat. 2, R61 ("May cause harm to the unborn child").

Therefore, this classification of the substance in Regulation (EC) No 1272/2008 shows that it meets the criteria for classification as toxic for reproduction in accordance with Article 57 (c) of REACH.

Registration dossiers submitted for the substance? Yes

¹ Classification in accordance with Regulation (EC) No 1272/2008 Annex VI, part 3, Table 3.1 List of harmonised classification and labelling of hazardous substances.

PART I

JUSTIFICATION

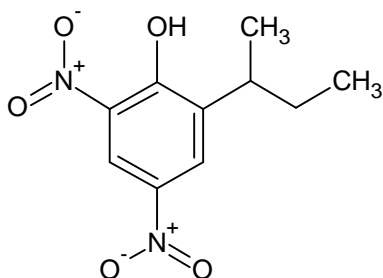
1 Identity of the substance and physical and chemical properties

1.1 Name and other identifiers of the substance

Table 1: Substance identity

EC number:	201-861-7
EC name:	Dinoseb
CAS number (in the EC inventory):	88-85-7
CAS number: Deleted CAS numbers:	88-85-7 152212-20-9 39403-80-0
CAS name:	Phenol, 2-(1-methylpropyl)-4,6-dinitro-
IUPAC name:	2-sec-Butyl-4,6-dinitrophenol
Index number in Annex VI of the CLP Regulation	609-025-00-7
Molecular formula:	C ₁₀ H ₁₂ N ₂ O ₅
Molecular weight:	240.2 g/mol
Synonyms:	Phenol, 2-sec-butyl-4,6-dinitro- 2,4-Dinitro-6-(1-methylpropyl)phenol 2,4-Dinitro-6-sec-butylphenol 2-(1-Methylpropyl)-4,6-dinitrophenol 2-sec-Butyl-4,6-dinitrophenol 4,6-Dinitro-2-(1-methyl-n-propyl)phenol 4,6-Dinitro-2-(2-butyl)phenol 4,6-Dinitro-2-sec-butylphenol 4,6-Dinitro-o-sec-butylphenol 6-sec-Butyl-2,4-dinitrophenol Aatox Blaartox BNP 20 BNP 30 Butaphen Butaphene Chemox P.E. DBNF Desicoil Dibutox Dibutox 20CE DN 289 DNBP DNOSBP DNSBP Dow General Dytop Hivertox Ladob

	Laseb Liro DNBP NSC 202753 Premerge Super Kabrol WSX 8365
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Structural formula:**1.2 Composition of the substance****Name:** dinoseb(ISO); 6-sec-butyl-2,4-dinitrophenol**Description:** ---**Degree of purity:** 93 - 98 %**Table 2: Constituents**

Constituents	Typical concentration	Concentration range	Remarks
dinoseb(ISO); 6-sec-butyl-2,4- dinitrophenol 201-861-7		93 - 98 %	According to the information available in the registration dossiers

2 Harmonised classification and labelling

Dinoseb(ISO); 6-sec-butyl-2,4-dinitrophenol is covered by Index number 609-025-00-7 in Annex VI, part 3 of Regulation (EC) No 1272/2008 as follows:

Table 3: Classification according to part 3 of Annex VI, Table 3.1 ((list of harmonised classification and labelling of hazardous substances) of Regulation (EC) No 1272/2008

Index No	International Chemical Identification	EC No	CAS No	Classification		Labelling			Spec. Conc. Limits, M-factors	Notes
				Hazard Class and Category Code(s)	Hazard statement code(s)	Pictogram , Signal Word Code(s)	Hazard statement code(s)	Suppl. Hazard statement code(s)		
609-025-00-7	6-sec-butyl-2,4-dinitrophenol dinoseb (ISO)	201-861-7	88-85-7	Repr. 1B Acute Tox. 3 * Acute Tox. 3 * Eye Irrit. 2 Aquatic Acute 1 Aquatic Chronic 1	H360Df H311 H301 H319 H400 H410	GHS06 GHS08 GHS09 Dgr	H360Df H311 H301 H319 H410	EUH044		

Table 4: Classification according to part 3 of Annex VI, Table 3.2 (list of harmonized classification and labelling of hazardous substances from Annex I of Council Directive 67/548/EEC) of Regulation (EC) No 1272/2008

Index No	International Chemical Identification	EC No	CAS No	Classification	Labelling	Concentration Limits	Notes
609-025-00-7	6-sec-butyl-2,4-dinitrophenol dinoseb (ISO)	201-861-7	88-85-7	Repr. Cat. 1; R61 Repr. Cat. 3; R62 Xn; R20/22 R33 N; R50-53	T; N R: 61-20/22-33-62-50/53 S: 53-45-60-61	Repr. Cat. 3; R62: C ≥ 2,5 % Xn; R20/22: C ≥ 1 % R33: C ≥ 0,5 %	E

3 Environmental fate properties

Not relevant for the identification of the substance as SVHC in accordance with Article 57c.

4 Human health hazard assessment

See section 2 on harmonised classification and labelling.

5 Environmental hazard assessment

Not relevant for the identification of the substance as SVHC in accordance with Article 57c.

6 Conclusions on the SVHC Properties

6.1 CMR assessment

Dinoseb(ISO); 6-sec-butyl-2,4-dinitrophenol is covered by Index number 609-025-00-7 in Regulation (EC) No 1272/2008 and classified in Annex VI, part 3, Table 3.1 (list of harmonised classification and labelling of hazardous substances) as toxic for reproduction, Repr. 1B (H360D: "May damage the unborn child."). The corresponding classification in Annex VI, part 3, Table 3.2 (the list of harmonised and classification and labelling of hazardous substances from Annex I to Directive 67/548/EEC) of Regulation (EC) No 1272/2008 is toxic for reproduction, Repr. Cat. 1, R61 ("May cause harm to the unborn child").

Therefore, this classification of the substance in Regulation (EC) No 1272/2008 shows that it meets the criteria for classification as toxic for reproduction in accordance with Article 57 (c) of REACH.

PART II

INFORMATION ON USE, EXPOSURE, ALTERNATIVES AND RISKS

The available use and exposure information is provided in the registration dossiers (authorities with access rights only) or on ECHA's dissemination website²:

<http://echa.europa.eu/information-on-chemicals>

ECHA has not carried out further analysis of this information.

² Information published by ECHA on the substance can be searched at this site (field "Search for Chemicals" at upper right) by EC number, CAS number or substance name.