

## **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:** 1-bromopropane; n-propyl bromide

**EC Number:** 203-445-0

**CAS Number:** 106-94-5

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



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## **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: 1-bromopropane; n-propyl bromide**

**EC Number: 203-445-0**

**CAS number: 106-94-5**

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 1B<sup>1</sup> which corresponds to classification as toxic for reproduction category 2<sup>2</sup>.

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

1-bromopropane; n-propyl bromide is covered by Index number 602-019-00-5 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 (H360FD: "May damage fertility. 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; R60 ("May impair fertility").

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 dossier(s) submitted for the substance? Yes**

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<sup>1</sup> 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.

<sup>2</sup> Classification in accordance with Regulation (EC) No 1272/2008, Annex VI, part 3, Table 3.2 List of harmonised classification and labelling of hazardous substances (from Annex I to Council Directive 67/548/EEC).

## PART I

### JUSTIFICATION

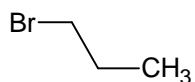
#### 1 Identity of the substance and physical and chemical properties

##### 1.1 Name and other identifiers of the substance

Table 1: Substance identity

<b>EC number:</b>	203-445-0
<b>EC name:</b>	1-bromopropane; n-propyl bromide
<b>CAS number (in the EC inventory):</b>	106-94-5
<b>CAS number:</b> <b>Deleted CAS numbers:</b>	106-94-5
<b>CAS name:</b>	Propane, 1-bromo-
<b>IUPAC name:</b>	1-bromopropane; n-propyl bromide
<b>Index number in Annex VI of the CLP Regulation</b>	602-019-00-5
<b>Molecular formula:</b>	C <sub>3</sub> H <sub>7</sub> Br
<b>Molecular weight range:</b>	123.0 g/mol
<b>Synonyms:</b>	1-Propyl bromide; Propyl bromide n-Propyl bromide

**Structural formula:**



## 1.2 Composition of the substance

**Name:** 1-bromopropane; n-propyl bromide

**Description:** ---

**Degree of purity:** 98 – 100 %

**Table 2: Constituents**

<b>Constituents</b>	<b>Typical concentration</b>	<b>Concentration range</b>	<b>Remarks</b>
1-Bromopropane 203-445-0		98 – 100 %	Information according to the available registration dossiers.

## 2 Harmonised classification and labelling

1-bromopropane; n-propyl bromide is covered by Index number 602-019-00-5 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)		
602-019-00-5	1-bromopropane; n-propyl bromide	203-445-0	106-94-5	Flam. Liq. 2 Repr. 1B STOT RE 2 * Eye Irrit. 2 STOT SE 3 Skin Irrit. 2 STOT SE 3	H225 H360-FD H373 **	GHS02 GHS08 GHS07 Dgr	H225 H360FD H373 ** H319 H335 H315 H336			

**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**

<b>Index No</b>	<b>International Chemical Identification</b>	<b>EC No</b>	<b>CAS No</b>	<b>Classification</b>	<b>Labelling</b>	<b>Concentration Limits</b>	<b>Notes</b>
602-019-00-5	1-bromopropane; n-propyl bromide	203-445-0	106-94-5	F; R11 Repr. Cat. 2; R60 Repr. Cat. 3; R63 Xn; R48/20 Xi; R36/37/38 R67	F; T R: 60-11- 36/37/38- 48/20-63-67 S: 53-45		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**

1-bromopropane; n-propyl bromide is covered by Index number 602-019-00-5 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 (H360FD: "May damage fertility. 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; R60 ("May impair fertility").

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 website<sup>3</sup>:

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

ECHA has not carried out further analysis of this information.

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<sup>3</sup> 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.