

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: Furan

EC Number: 203-727-3

CAS Number: 110-00-9

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

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

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

Furan is listed as Index number 603-105-00-5 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 carcinogen, Carc. 1B (H350: "May cause cancer"). 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 carcinogen, Carc. Cat. 2, R45 ("May cause cancer").

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

Registration dossiers submitted for the substance? No

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

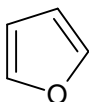
1 Identity of the substance and physical and chemical properties

1.1 Name and other identifiers of the substance

Table 1: Substance identity

EC number:	203-727-3
EC name:	Furan
CAS number (in the EC inventory):	110-00-9
CAS number: Deleted CAS numbers:	110-00-9
CAS name:	Furan
IUPAC name:	Furan
Index number in Annex VI of the CLP Regulation	603-105-00-5
Molecular formula:	C ₄ H ₄ O
Molecular weight range:	68.1 g/mol
Synonyms:	

Structural formula:



1.2 Composition of the substance

Name: Furan

Description: ---

Degree of purity: No information available

Table 2: Constituents

Constituents	Typical concentration	Concentration range	Remarks
Furan 203-727-3			No information available.

2 Harmonised classification and labelling

Furan is listed as Index number 603-105-00-5 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)		
603-105-00-5	furan	203-727-3	110-00-9	Flam. Liq. 1 Carc. 1B Muta. 2 Acute Tox. 4 * Acute Tox. 4 * STOT RE 2 * Skin Irrit. 2 Aquatic Chronic 3	H224 H350 H341 H332 H302 H373** H315 H412	GHS02 GHS08 GHS07 Dgr	H224 H350 H341 H332 H302 H373 ** H315 H412	EUH019		

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
603-105-00-5	furan	203-727-3	110-00-9	F+; R12 R19 Carc. Cat. 2; R45 Muta. Cat. 3; R68 Xn; R20/22-48/22 Xi; R38 R52-53	F+; T R: 45-12- 19-20/22- 38-48/22- 68-52/53 S: 53-45-61		E

3 Environmental fate properties

Not relevant for the identification of the substance as SVHC in accordance with Article 57(a).

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 57(a).

6 Conclusions on the SVHC Properties

6.1 CMR assessment

Furan is listed as Index number 603-105-00-5 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 carcinogen, Carc. 1B (H350: "May cause cancer"). 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 carcinogen, Carc. Cat. 2, R45 ("May cause cancer").

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

PART II

INFORMATION ON USE, EXPOSURE, ALTERNATIVES AND RISKS

No registration dossier has been submitted for this substance. Only information from C&L notifications is available 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.