

Substance Name: Furan

EC Number: 203-727-3

CAS Number: 110-00-9

SUPPORT DOCUMENT FOR IDENTIFICATION OF

FURAN

**AS A SUBSTANCE OF VERY HIGH CONCERN BECAUSE OF ITS
CMR¹ PROPERTIES**

¹ CMR means carcinogenic, mutagenic or toxic for reproduction

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The substance is identified as substance meeting the criteria of Article 57 (a) of Regulation (EC) 1907/2006 (REACH) owing to its classification as carcinogen category 1B² which corresponds to classification as carcinogen category 2³.

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

² 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.

³ 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).

JUSTIFICATION

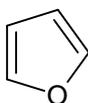
1 Identity of the substance and physical and chemical properties

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.