

Justification for the selection of a candidate CoRAP substance

Substance Name (Public Name): 1,2-dichlorobenzene

Chemical Group:

EC Number: 202-425-9

CAS Number: 95-50-1

Submitted by: National Institute of Chemical Safety,
Hungary

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NOTE

This document has been prepared by the evaluating Member State given in the CoRAP update.

Contents

1	IDENTITY OF THE SUBSTANCE.....	3
1.1	Name and other identifiers of the substance	3
2	CLASSIFICATION AND LABELLING.....	4
2.1	Harmonised Classification in Annex VI of the CLP	4
2.2	Proposal for Harmonised Classification in Annex VI of the CLP.....	5
2.3	Self classification.....	5
3	JUSTIFICATION FOR THE SELECTION OF THE CANDIDATE CoRAP SUBSTANCE	5
3.1	Legal basis for the proposal	5
3.2	Grounds for concern	6
3.3	Information on aggregated tonnage and uses	6
3.4	Other completed/ongoing regulatory processes that may affect suitability for substance evaluation	6
3.5	Information to be requested to clarify the suspected risk	7
3.6	Potential follow-up and link to risk management	7

1 IDENTITY OF THE SUBSTANCE

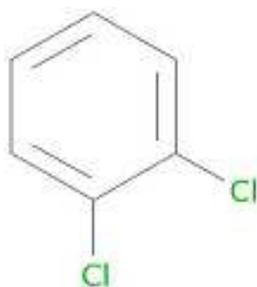
1.1 Name and other identifiers of the substance

Table 1: Substance identity

Public Name:	1,2-dichlorobenzene
EC number:	202-425-9
EC name:	1,2-dichlorobenzene
CAS number (in the EC inventory):	95-50-1
CAS number:	95-50-1
CAS name:	Benzene, 1,2-dichloro-
IUPAC name:	1,2-dichlorobenzene
Index number in Annex VI of the CLP Regulation	602-034-00-7
Molecular formula:	C ₆ H ₄ Cl ₂
Molecular weight or molecular weight range:	147.002 g/mol
Synonyms:	benzene, o-dichloro-benzene, 1,2-dichloro-o-dichlorobenzol, o-dichlorobenzene, 1,2-dichlorobenzol, 1,2-dichlorobenzene, mixtutre orto and paradichlorobenzenes ortodichlorobenzene

Type of substance Mono-constituent Multi-constituent UVCB

Structural formula:



2 CLASSIFICATION AND LABELLING

2.1 Harmonised Classification in Annex VI of the CLP

CLP: Index No.: 602-034-00-7

Classification		Labelling			Specific 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)		
Acute Tox. 4 *	H302	GHS07	H302		*	
Eye Irrit. 2	H319	GHS09	H319			
STOT SE 3	H335	Wng	H335			
Skin Irrit. 2	H315		H315			
Aquatic Acute 1	H400		H410			
Aquatic Chronic 1	H410					

Hazard statements:

H302: Harmful if swallowed.

H319: Causes serious eye irritation.

H335: May cause respiratory irritation.

H315: Causes skin irritation.

H400: Very toxic to aquatic life.

H410: Very toxic to aquatic life with long lasting effects.

DSD: Index No.: 602-034-00-7

Classification	Labelling	Concentration Limits	Notes
Xn; R22	Xn; N	Xn; R22: C ≥ 5 %	
Xi; R36/37/38	R: 22-36/37/38-50/53 S: (2-)23-60-61		
N; R50-53			

Risk phrases:

R22 - harmful if swallowed

R36/37/38 - irritating to eyes, respiratory system and skin

R50/53 - very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

2.2 Proposal for Harmonised Classification in Annex VI of the CLP

N.A.

2.3 Self classification

CLP:

The registration data includes the harmonized classification in Annex VI of the CLP (except for Aquatic Acute 1) and in addition the following self-classification:

Hazard Class and Category Code(s)	Hazard statement Code(s)	Hazard Statement	Specific Concentration Limits, M-factors
Skin sens. 1	H317	May cause an allergic skin reaction.	
Acute Tox. 4	H332	Harmful if inhaled.	

DSD:

The registration data includes the harmonized classification in Annex VI of the CLP and in addition the following self-classification:

Classification	Labelling	Concentration Limits	Notes
Xn; R20	Xn; N R: 20/-43		
Xi, R43	S: 36/37/39		

In addition to the harmonized classification and the self classifications by the registrants, are the following classification notified to the Classification and Labelling Inventory:

Acute Tox. 3; H331: Toxic if inhaled.

3 JUSTIFICATION FOR THE SELECTION OF THE CANDIDATE CoRAP SUBSTANCE

3.1 Legal basis for the proposal

Article 44(1) (refined prioritisation criteria for substance evaluation)

Article 45(5) (Member State priority)

3.2 Grounds for concern

<input checked="" type="checkbox"/> (Suspected) CMR	<input checked="" type="checkbox"/> Wide dispersive use	<input type="checkbox"/> Cumulative exposure
<input type="checkbox"/> (Suspected) Sensitiser	<input type="checkbox"/> Consumer use	<input type="checkbox"/> High RCR
<input type="checkbox"/> (Suspected) PBT	<input type="checkbox"/> Exposure of sensitive populations	<input checked="" type="checkbox"/> Aggregated tonnage
<input type="checkbox"/> Suspected endocrine disruptor	<input checked="" type="checkbox"/> Other (provide further details below)	

The repeated dose studies clearly show that liver and kidney are target organs of toxicity. In the literature the bioaccumulation data of 1,2-dichlorobenzene represented by bioconcentration factor (BCF) are very high in the algae (*Selenastrum capricornutum*) and carnivore fishes showing the bioaccumulation in the food chain.

3.3 Information on aggregated tonnage and uses

<input type="checkbox"/> 1 – 10 tpa	<input type="checkbox"/> 10 – 100 tpa	<input type="checkbox"/> 100 – 1000 tpa	
<input type="checkbox"/> 1000 – 10,000 tpa	<input checked="" type="checkbox"/> 10,000 – 100,000 tpa		
<input type="checkbox"/> 100,000 – 1000,000 tpa	<input type="checkbox"/> > 1000,000 tpa		
<input type="checkbox"/> Confidential			
10,000 - 100,000 tonnes per annum, according to ECHA's dissemination website.			
<input checked="" type="checkbox"/> Industrial use	<input checked="" type="checkbox"/> Professional use	<input type="checkbox"/> Consumer use	<input type="checkbox"/> Closed System
<ul style="list-style-type: none"> - Industrial use as intermediate - Industrial use as solvent - Non-industrial use in analytical laboratories - Professional use as heat transfer fluid 			

3.4 Other completed/ongoing regulatory processes that may affect suitability for substance evaluation

<input checked="" type="checkbox"/> Compliance check final	<input type="checkbox"/> Dangerous substances Directive 67/548/EEC
<input type="checkbox"/> Testing proposal	<input type="checkbox"/> Existing Substances Regulation 793/93/EEC
<input type="checkbox"/> Annex VI (CLP)	<input type="checkbox"/> Plant Protection Products Regulation 91/414/EEC
<input type="checkbox"/> Annex XV (SVHC)	<input type="checkbox"/> Biocidal Products Directive 98/8/EEC
<input type="checkbox"/> Annex XIV (Authorisation)	<input type="checkbox"/> Other (provide further details below)
<input type="checkbox"/> Annex XVII (Restriction)	

3.5 Information to be requested to clarify the suspected risk

<input checked="" type="checkbox"/> Information on toxicological properties	<input type="checkbox"/> Information on physico-chemical properties
<input type="checkbox"/> Information on fate and behaviour	<input checked="" type="checkbox"/> Information on exposure
<input type="checkbox"/> Information on ecotoxicological properties	<input type="checkbox"/> Information on uses
<input checked="" type="checkbox"/> Other (provide further details below)	
Depending of the outcome of evaluation other information may also be requested.	

3.6 Potential follow-up and link to risk management

<input type="checkbox"/> Restriction	<input checked="" type="checkbox"/> Harmonised C&L	<input type="checkbox"/> Authorisation	<input type="checkbox"/> Other (provide further details)
Depending on the outcome of the substance evaluation the amendment of the harmonized classification and labelling of the substance is possible.			