Justification for the selection of a candidate CoRAP substance

Substance Name (Public Name):	Carbon disulphide
Chemical Group:	
EC Number:	200-843-6
CAS Number:	75-15-0
Submitted by:	FRANCE
Published:	20/03/2013

NOTE

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

Contents

1 IDENTITY OF THE SUBSTANCE

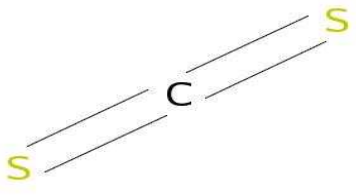
1.1 Name and other identifiers of the substance

Table 1: Substance identity

Public Name:	carbon disulphide
EC number:	200-843-6
EC name:	carbon disulphide
CAS number (in the EC inventory):	75-15-0
CAS number:	75-15-0
CAS name:	
IUPAC name:	methanedithione
Index number in Annex VI of the CLP Regulation	006-003-00-3
Molecular formula:	CS2
Molecular weight or molecular weight range:	76.1407
Synonyms:	

Type of substance: ☑ Mono-constituent ☐ Multi-constituent ☐ UVCB

Structural formula:



2 CLASSIFICATION AND LABELLING

2.1 Harmonised Classification in Annex VI of the CLP

According to CLP

Hazard Class and Category Code(s)	Hazard Statement Code(s)
Flam. Liq. 2 Repr. 2 STOT RE 1 Eye Irrit. 2 Skin Irrit. 2	H225: Highly flammable liquid and vapour. H361fd: Suspected of damaging fertility. Suspected of damaging the unborn child. H372 **: Causes damage to organs. Affected organs: nervous system (PNS & CNS), cardiovascular system, eye; Route of exposure: Inhalation and dermal H319: Causes serious eye irritation H315: Causes skin irritation.

Specific concentration limit

Specific Concentration Limits and M Factors	
Concentration	**Classification**
C ≥ 1 % C ≥ 1 % 0,2 % ≤C < 1 %	Repr. 2; H361fd STOT RE 1; H372 STOT RE 2; H373

According to DSD

Classification	Risk phrases
F; R11 Repr. Cat. 3; R62-63 T; R48/23 Xi; R36/38	11: Highly flammable. 36/38: Irritating to eyes and skin. 48/23; Danger of serious damage to health by prolonged exposure through inhalation 62: Possible risk of impaired fertility. 63: Possible risk of harm to the unborn child.

Specific concentration limit

Concentration Limits	
Concentration	**Classification**
C ≥ 1 % C ≥ 1 % 0,2 % ≤ C < 1 %	Repr. Cat. 3; R62-63 T; R48/23 Xn; R48/20

2.2 Self classification

The registration data deviates from the harmonised classification by:

<u>According to CLP criteria:</u>

- Not including: Skin Irrit. 2; H315: Causes skin irritation
- Including the following self classification: Acute Tox. 4; H332: Harmful if inhaled

<u>According to DSD criteria:</u>

- Not including: Xi; R38 Irritant; Irritating to skin
- Including the following self classification: Xn; R20 Harmful; Harmful by inhalation.

<u>In addition are the following classification(s) included in the Classification and Labelling Inventory:</u>

Acute Tox. 4 ; H302: Harmful if swallowed.

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

☒ (Suspected) CMR	☐ Wide dispersive use	☐ Cumulative exposure
☐ (Suspected) Sensitiser	☐ Consumer use	☐ High RCR
☐ (Suspected) PBT	☐ Exposure of sensitive populations	☑ Aggregated tonnage
☒ Suspected Endocrine disruptor	☑ Other (provide further details below)	

Based on DHI study (Petersen et al., 2007) on enhancing the ED priority list focus on LPV chemicals.

HH: Cat 2 (Potential for endocrine disruption). In vitro data indicating potential for endocrine disruption in intact organisms. Also includes effects in-vivo that may, or may not, be ED-mediated. May include structural analyses and metabolic considerations.

Wildlife: Cat 3 (No scientific basis for inclusion in list or Substances with no or insufficient data gathered).

Concern related to reprotoxicity. High release for environment and high expose for workers.

3.3 Information on aggregated tonnage and uses

☐ 1 - 10 t	☐ 10 - 100 t	☐ 100 - 1000 t	☐ 1000 - 10,000 t	
☐ 10,000 - 100,000 t	☑ 100,000 - 1000,000 t	☐ > 1000,000 t	☐ Confidential	

100,000 - 1,000,000 tonnes per annum

☑ Industrial Use	☑ Professional Use	☐ Consumer Use	☐ Closed System

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

☐ Compliance Check	☑ Annex VI (CLP)
☐ Testing Proposal(s)	☐ Annex XIV (Authorisation)
☐ Substance Identification Issues	☐ Annex XVII (Restriction)
☐ ESR Programme	☐ Other (provide further details below)
Entry in Annex VI (CLP): see section 2.1	

3.5 Information to be requested to clarify the suspected risk

☑ Information on toxicological properties	☑ Information on exposure
☐ Information on fate and behaviour	☑ Information on uses
☐ Information on ecotoxicological properties	☐ Other (provide further details below)
☐ Information on physico-chemical properties	
Exact information required to be determined during the substance evaluation	

3.6 Potential follow-up and link to risk management

☐ Restriction	☐ Harmonised C&L
☐ Authorisation	☐ Other (provide further details below)
Depends on the outcome of substance evaluation	