

## Justification for the selection of a candidate CoRAP substance

<b>Substance Name (Public Name):</b>	Octabenzene
<b>Chemical Group:</b>	Benzophenone
<b>EC Number:</b>	217-421-2
<b>CAS Number:</b>	1843-05-6
<b>Submitted by:</b>	Italy
<b>Published:</b>	20/03/2013

### NOTE

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

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## 1 IDENTITY OF THE SUBSTANCE

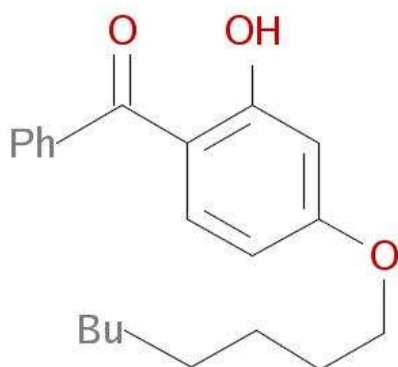
### 1.1 Name and other identifiers of the substance

Table 1: Substance identity

<b>Public Name:</b>	Octabenzone
<b>EC number:</b>	217-421-2
<b>EC name:</b>	Octabenzone
<b>CAS number (in the EC inventory):</b>	1843-05-6
<b>CAS number:</b>	1843-05-6
<b>CAS name:</b>	Methanone, [2-hydroxy-4-(octyloxy)phenyl]phenyl-
<b>IUPAC name:</b>	(2-hydroxy-4-octoxyphenyl)phenylmethanone
<b>Index number in Annex VI of the CLP Regulation</b>	No Harmonized classification available
<b>Molecular formula:</b>	C <sub>21</sub> H <sub>26</sub> O <sub>3</sub>
<b>Molecular weight or molecular weight range:</b>	326.429
<b>Synonyms:</b>	

**Type of substance**     Mono-constituent     Multi-constituent     UVCB

**Structural formula:**



## 2 CLASSIFICATION AND LABELLING

### 2.1 Harmonised Classification in Annex VI of the CLP

No harmonized classification available.

### 2.2 Proposal for Harmonised Classification in Annex VI of the CLP

None.

### 2.3 Self classification

The registration data include the following self classification:

**According to CLP criteria:**

Skin Sens. 1, H317: May cause an allergic skin reaction.

**According to DSD criteria:**

R43 May cause sensitisation by skin contact.

R53 May cause long-term adverse effects in the aquatic environment.

In addition are the following classifications included in the Classification and Labelling Inventory:

Hazard Class and Category Code(s)	Hazard Statement Code(s)	Hazard Statement
Flam. Liq. 3	H226	Flammable liquid and vapour
Skin Irrit. 2	H315	Causes skin irritation
Eye Irrit. 2	H319	Causes serious eye irritation
Aquatic Acute 1	H400	Very toxic to aquatic life
Aquatic Chronic 1	H410	Very toxic to aquatic life with long lasting effects
Aquatic Chronic 3	H412	Harmful to aquatic life with long lasting effects
Aquatic Chronic 4	H413	May cause long lasting harmful effects to aquatic life

### 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 type="checkbox"/> (Suspected) CMR	<input type="checkbox"/> Wide dispersive use	<input type="checkbox"/> Cumulative exposure
<input checked="" type="checkbox"/> (Suspected) Sensitiser	<input checked="" 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 checked="" type="checkbox"/> Suspected endocrine disruptor	<input checked="" type="checkbox"/> Other (provide further details below)	

Positive results were observed for skin sensitization in guinea pig test.

Moreover in literature is reported that the chemical class of benzophenone includes endocrine disruptors. The SIN list reports that the derivatives of Benzophenone are potential endocrine disruptors. This justifies a concern for the RSED.

For this substance a data gap on fertility has been found, hence more detailed information on fertility is considered to be useful to better address this end point

The available data support a classification for skin sensitization under regulation (EC) No. 1272/2008.

If the substance is confirmed to have endocrine disruption potential it could be included in the candidate list as SVHC identified following Art. 57(f) of the REACH regulation.

#### 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 checked="" type="checkbox"/> 1000 - 10,000 tpa	<input 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		
<i>Please provide further details</i>		
<input checked="" type="checkbox"/> Industrial use	<input checked="" type="checkbox"/> Professional use	<input checked="" type="checkbox"/> Consumer use
<input type="checkbox"/> Closed System		
<i>Please provide further details</i>		

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

<input type="checkbox"/> Compliance check	<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 type="checkbox"/> Information on exposure
<input type="checkbox"/> Information on ecotoxicological properties	<input type="checkbox"/> Information on uses
<input type="checkbox"/> Other (provide further details below)	
<p>For this substance a data gap on fertility has been found, hence more detailed information on fertility is considered to be useful to better address this end point.</p>	

### 3.6 Potential follow-up and link to risk management

<input type="checkbox"/> Restriction	<input type="checkbox"/> Harmonised C&L	<input type="checkbox"/> Authorisation	<input checked="" type="checkbox"/> Other (provide further details)
<p>If the substance is confirmed to have endocrine disruption potential it could be included in the candidate list as SVHC identified following Art. 57(f) of the REACH regulation.</p>			