

Justification for the selection of a candidate CoRAP substance

Substance Name (Public Name): 3,5,5-trimethylcyclohex-2-enone

Chemical Group:

EC Number: 201-126-0

CAS Number: 78-59-1

Submitted by: FRANCE

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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

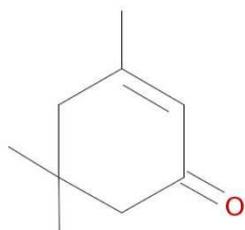
1.1 Name and other identifiers of the substance

Table 1: Substance identity

Public Name:	3,5,5-trimethylcyclohex-2-enone
EC number:	201-126-0
EC name:	3,5,5-trimethylcyclohex-2-enone
CAS number (in the EC inventory):	78-59-1
CAS number:	78-59-1
CAS name:	Unknown
IUPAC name:	3,5,5-Trimethyl-2-cyclohexene-1-one
Index number in Annex VI of the CLP Regulation	606-012-00-8
Molecular formula:	C ₉ H ₁₄ O
Molecular weight or molecular weight range:	138.2069
Synonyms:	1,1,3-Trimethyl-3-cyclohexene-5-one 1,5,5-Trimethyl-3-oxocyclohexene 1-Cyclohexen-3-one, 1,5,5-trimethyl- 3,5,5-Trimethyl-2-cyclohexenone 3,5,5-trimethylcyclohex-2-en-1-one Isoacetophorone Isophorone alpha-Isophorone

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)	Specific Concentration limits, M-Factors
Carc. 2 Acute Tox. 4 * Acute Tox. 4 * Eye Irrit. 2 STOT SE 3	H351 : Suspected of causing cancer. H312 : Harmful in contact with skin. H302 : Harmful if swallowed. H319 : Causes serious eye irritation. H335 : May cause respiratory irritation.	STOT SE 3; H335: C ≥ 10%

According to DSD

Classification	Risk phrases	Specific Concentration limits, M-Factors
Carc. Cat. 3; R40 Xn; R21/22 Xi; R36/37	40 : Limited evidence of a carcinogenic effect. 21/22 : Harmful in contact with skin and if swallowed. 36/37 : Irritating to eyes and respiratory system.	Xi; R36/37: C ≥ 10 %

2.2 Self classification

The registration data includes the harmonised classification and no self classification.

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

None, except for one, single notification with “Not Classified”.

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 population	<input checked="" type="checkbox"/> Aggregated tonnage
<input type="checkbox"/> Suspected Endocrine disruptor	<input checked="" type="checkbox"/> Other (provide further detail below)	
<p>Concern related to potential risk related to high exposures and mutagenicity, carcinogenicity effects.</p>		

3.3 Information on aggregated tonnage and uses

<input type="checkbox"/> 1 - 10 t	<input type="checkbox"/> 10 - 100 t	<input type="checkbox"/> 100 - 1000 t	<input type="checkbox"/> 1000 - 10,000 t
<input checked="" type="checkbox"/> 10,000 - 100,000 t	<input type="checkbox"/> 100,000 - 1000,000 t	<input type="checkbox"/> > 1000,000 t	<input type="checkbox"/> Confidential
<p>Aggregated Tonnage:</p> <p>10,000 - 100,000 tonnes per annum</p>			
<input checked="" type="checkbox"/> Industrial Use	<input checked="" type="checkbox"/> Professional Use	<input type="checkbox"/> Consumer Use	<input type="checkbox"/> Closed System

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

<input type="checkbox"/> Compliance Check	<input type="checkbox"/> Annex VI (CLP)
<input type="checkbox"/> Testing Proposal(s)	<input type="checkbox"/> Annex XIV (Authorisation)
<input type="checkbox"/> Substance Identification Issues	<input type="checkbox"/> Annex XVII (Restriction)
<input type="checkbox"/> ESR Programme	<input type="checkbox"/> Other (provide further details below)

3.5 Information to be requested to clarify the suspected risk

<input type="checkbox"/> Information on toxicological properties	<input type="checkbox"/> Information on exposure
<input type="checkbox"/> Information on fate and behaviour	<input type="checkbox"/> Information on uses
<input type="checkbox"/> Information on ecotoxicological properties	<input type="checkbox"/> Other (provide further details below)
<input type="checkbox"/> 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

<input type="checkbox"/> Restriction	<input type="checkbox"/> Harmonised C&L
<input type="checkbox"/> Authorisation	<input type="checkbox"/> Other (provide further details below)
Depends on the outcome of substance evaluation.	