

## **Justification for the selection of a candidate CoRAP substance**

**Substance Name (Public Name):** Methylmethacrylate

**Chemical Group:**

**EC Number:** 201-297-1

**CAS Number:** 80-62-6

**Submitted by:** France

**Published:** 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

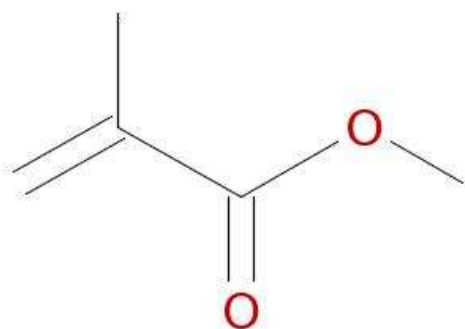
### 1.1 Name and other identifiers of the substance

Table 1: Substance identity

<b>Public Name:</b>	Methyl methacrylate
<b>EC number:</b>	201-297-1
<b>EC name:</b>	Methyl methacrylate
<b>CAS number (in the EC inventory):</b>	80-62-6
<b>CAS number:</b>	80-62-6
<b>CAS name:</b>	methyl methacrylate
<b>IUPAC name:</b>	Methyl methacrylate
<b>Index number in Annex VI of the CLP Regulation</b>	607-035-00-6
<b>Molecular formula:</b>	C <sub>5</sub> H <sub>8</sub> O <sub>2</sub>
<b>Molecular weight or molecular weight range:</b>	100.1158 g/mol
<b>Synonyms:</b>	2-Propenoic acid, 2-methyl-, methyl ester

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

**Structural formula:**



## 2 CLASSIFICATION AND LABELLING

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

#### 2.1.1 Current classification and labelling in Annex VI, Table 3.1 in the CLP Regulation



Classification		Labelling			
Hazard Class and Category Code(s)	Hazard Statement Code(s)	Pictogram Signal Word Code(s)	Hazard Statement Code(s)	Suppl. Hazard statement code(s)	Notes
Flam. Liq. 2 STOT SE 3 Skin Irrit. 2 Skin Sens. 1	H225 H335 H315 H317	GHS02 GHS07 Dgr	H225 H335 H315 H317		Note D

H225: Highly flammable liquid and vapour..

H335: May cause respiratory irritation.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

Pictogram(s)
 Flame  Exclamation mark



#### 2.1.2 Current classification and labelling in Annex VI, Table 3.2 in the CLP Regulation

Classification	Risk phrases	Safety phrases	Indication(s) of danger
F, R11 Xi, R37/38 R43	11 37/38 43	2 24 37 46	F Xi

R11: Highly flammable.

R37/38: Irritating to respiratory system and skin.

R43: May cause sensitization by skin contact.

Symbol(s)
 Highly flammable  Irritant

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

None.

## 2.3 Self classifications

Classification by the lead registrant is consistent with the harmonised classification.

In addition are the following classifications notified to the Classification and Labelling Inventory:

Classification		Labelling		
Hazard Class and Category Code(s)	Hazard Statement Code(s)	Pictogram Signal Word Code(s)	Hazard Statement Code(s)	Notes
Flam. Liq. 2 STOT SE 3 Skin Irrit. 2 Skin Sens. 1 <b>Eye Irrit. 2</b>	H225 H335 H315 H317 <b>H319</b>	GHS02 GHS07 Dgr	H225 H335 H315 H317	-

Classification		Labelling		
Hazard Class and Category Code(s)	Hazard Statement Code(s)	Pictogram Signal Word Code(s)	Hazard Statement Code(s)	Notes
Flam. Liq. 2 STOT SE 3 ( <b>C&gt;= 10%</b> ) Skin Irrit. 2 Skin Sens. 1	H225 H335 H315 H317	GHS02 GHS07 Dgr	H225 H335 H315 H317	

Classification		Labelling		
Hazard Class and Category Code(s)	Hazard Statement Code(s)	Pictogram Signal Word Code(s)	Hazard Statement Code(s)	Notes
Flam. Liq. 2 <b>STOT SE 3</b> Skin Irrit. 2 Skin Sens. 1	H225 <b>H370</b> H315 H317	GHS08 GHS07 Dgr	H225 H370 H315 H317	

Classification		Labelling		
Hazard Class and Category Code(s)	Hazard Statement Code(s)	Pictogram Signal Word Code(s)	Hazard Statement Code(s)	Notes
Flam. Liq. 2 STOT SE 3 Skin Irrit. 2	H225 H335 H315	GHS02 GHS07 Dgr	H225 H335 H315	

Classification		Labelling		
Hazard Class and Category Code(s)	Hazard Statement Code(s)	Pictogram Signal Word Code(s)	Hazard Statement Code(s)	Notes
Flam. Liq. 2 <b>Repr. 2</b> <b>Resp. Sens. 1</b> STOT SE 3 <b>STOT RE 1</b> Skin Irrit. 2 Skin Sens. 1	H225 <b>H361</b> <b>H334</b> H335 <b>H372</b> H315 H317	GHS02 GHS07 Dgr	H225 H335 H315 H317	-

H319: Causes serious eye irritation.

H370: Causes damage to organs.

H361: Suspected of damaging fertility or the unborn child.

H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H372: Causes damage to organs through prolonged or repeated exposure.

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

The main use of MMA is as a monomer for the synthesis of acrylate (co)polymers. In most cases it is used in closed systems, with none or negligible exposition. However, there exist other uses where MMA is used in (partly) open systems, either in an industrial or professional setting, as a reactive monomer or as a component in a mixture.

In this case, risk of exposure exists. In view of the sensitizing properties of MMA this may give rise to health problems by the workers involved.

#### 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 type="checkbox"/> 10,000 – 100,000 tpa		
<input checked="" type="checkbox"/> 100,000 – 1000,000 tpa	<input type="checkbox"/> > 1000,000 tpa		
<input type="checkbox"/> Confidential			
<input checked="" type="checkbox"/> Industrial use	<input checked="" type="checkbox"/> Professional use	<input checked="" type="checkbox"/> Consumer use	<input checked="" type="checkbox"/> Closed System

All these uses are mentioned in the list on the ECHA Website

### 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)	
There is a compliance check final decision for the substance requiring the registrant to submit exposure information.	

### 3.5 Information to be requested to clarify the suspected risk

<input 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 checked="" type="checkbox"/> Information on uses
<input type="checkbox"/> Other (provide further details below)	
Precise information to request should be determined during the evaluation process.	

### 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)
Depends on the outcome of the substance evaluation.			