

## Justification for the selection of a substance for CoRAP inclusion

**Substance Name (Public Name):** 3,5-dimethylpyrazole

**Chemical Group:**

**EC Number:** 200-657-5

**CAS Number:** 67-51-6

**Submitted by:** Ministry of Health, Social Services and Equality, Spain

**Date:** 17/03/2015

### 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	Other identifiers of the substance	3
1.2	Similar substances/grouping possibilities	3
2	CLASSIFICATION AND LABELLING.....	4
2.1	Harmonised Classification in Annex VI of the CLP	4
2.2	Self classification	4
2.3	Proposal for Harmonised Classification in Annex VI of the CLP	4
3	INFORMATION ON AGGREGATED TONNAGE AND USES .....	4
4	OTHER COMPLETED/ONGOING REGULATORY PROCESSES THAT MAY AFFECT SUITABILITY FOR SUBSTANCE EVALUATION.....	5
5	JUSTIFICATION FOR THE SELECTION OF THE CANDIDATE CoRAP SUBSTANCE ..	5
5.1	Legal basis for the proposal	5
5.2	Selection criteria met (why the substance qualifies for being in CoRAP)	5
5.3	Initial grounds for concern to be clarified under Substance Evaluation	6
5.4	Preliminary indication of information that may need to be requested to clarify the concern	7
5.5	Potential follow-up and link to risk management	7

## 1 IDENTITY OF THE SUBSTANCE

### 1.1 Other identifiers of the substance

Table 1: Substance identity

<b>EC name:</b>	3,5-dimethylpyrazole
<b>IUPAC name:</b>	3,5-dimethyl-1H-pyrazole
<b>Index number in Annex VI of the CLP Regulation</b>	
<b>Molecular formula:</b>	C <sub>5</sub> H <sub>8</sub> N <sub>2</sub>
<b>Molecular weight or molecular weight range:</b>	96.1304
<b>Synonyms/Trade names:</b>	

**Type of substance**

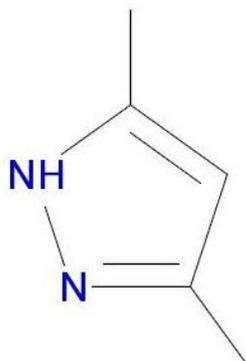
Mono-constituent

Multi-constituent

UVCB

**Structural formula:**

3,5-dimethylpyrazole



### 1.2 Similar substances/grouping possibilities

-

## 2 CLASSIFICATION AND LABELLING

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

No harmonised classification available.

### 2.2 Self classification

The registration data includes the following self-classification:

Acute Tox. 4 (H302: Harmful if swallowed)

Repr. 2 (H361fd: Suspected of damaging fertility or the unborn child)

STOT RE 2 (H373: May cause damage to organs through prolonged or repeated exposure)

In addition, there are 193 entries for this substance in the C&L Inventory, grouped in 14 aggregated notifications. The following hazard classes are in addition notified among the aggregated self-classification in the C&L Inventory:

Acute Tox. 4 (H312: Harmful in contact with skin)

Acute Tox. 4 (H332: Harmful if inhaled)

Skin Irrit. 2 (H315: Causes skin irritation)

Eye Irrit. 2 (H319: Causes serious eye irritation)

STOT SE 3 (H335: May cause respiratory irritation)

In addition, there are 35 entries of no classification.

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

Currently, there is no proposal for harmonised classification for the substance 3,5-dimethylpyrazole.

## 3 INFORMATION ON AGGREGATED TONNAGE AND USES

From ECHA dissemination site			
<input type="checkbox"/> 1 - 10 tpa	<input type="checkbox"/> 10 - 100 tpa	<input checked="" type="checkbox"/> 100 - 1000 tpa	
<input type="checkbox"/> 1000 - 10,000 tpa	<input type="checkbox"/> 10,000 - 100,000 tpa	<input type="checkbox"/> 100,000 - 1,000,000 tpa	
<input type="checkbox"/> 1,000,000 - 10,000,000 tpa	<input type="checkbox"/> 10,000,000 - 100,000,000 tpa	<input type="checkbox"/> > 100,000,000 tpa	
<input type="checkbox"/> <1 . . . . . >+ tpa (e.g. 10+ ; 100+ ; 10,000+ tpa)		<input type="checkbox"/> Confidential	
<input checked="" type="checkbox"/> Industrial use	<input checked="" type="checkbox"/> Professional use	<input type="checkbox"/> Consumer use	<input type="checkbox"/> Closed System

Industrial uses of the substance include formulation of polymer preparations and compounds, modification of polymers, use of substance as an intermediate, use for production of pre-blocked polymers, use of monomers in the production of polymers, plastics and polymerization processes, use of processing aids in processes and products. Professional workers can use products containing low percentage of the substance.

#### 4 OTHER COMPLETED/ONGOING REGULATORY PROCESSES THAT MAY AFFECT SUITABILITY FOR SUBSTANCE EVALUATION

<input type="checkbox"/> Compliance check, Final decision	<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 ; Biocidal Product Regulation (Regulation (EU) 528/2012)
<input type="checkbox"/> Annex XIV (Authorisation)	<input type="checkbox"/> Other (provide further details below)
<input type="checkbox"/> Annex XVII (Restriction)	

#### 5 JUSTIFICATION FOR THE SELECTION OF THE CANDIDATE CoRAP SUBSTANCE

##### 5.1 Legal basis for the proposal

- Article 44(2) (refined prioritisation criteria for substance evaluation)
- Article 45(5) (Member State priority)

##### 5.2 Selection criteria met (why the substance qualifies for being in CoRAP)

- Fulfils criteria as CMR/ Suspected CMR
- Fulfils criteria as Sensitiser/ Suspected sensitiser
- Fulfils criteria as potential endocrine disrupter
- Fulfils criteria as PBT/vPvB / Suspected PBT/vPvB
- Fulfils criteria high (aggregated) tonnage (*tpa* > 1000)
- Fulfils exposure criteria
- Fulfils MS's (national) priorities

### 5.3 Initial grounds for concern to be clarified under Substance Evaluation

Hazard based concerns		
CMR <input type="checkbox"/> C <input type="checkbox"/> M <input checked="" type="checkbox"/> R	Suspected CMR <sup>1</sup> <input type="checkbox"/> C <input type="checkbox"/> M <input type="checkbox"/> R	<input type="checkbox"/> Potential endocrine disruptor
<input type="checkbox"/> Sensitiser	<input type="checkbox"/> Suspected Sensitiser <sup>1</sup>	
<input type="checkbox"/> PBT/vPvB	<input type="checkbox"/> Suspected PBT/vPvB <sup>1</sup>	<input type="checkbox"/> Other (please specify below)
Exposure/risk based concerns		
<input type="checkbox"/> Wide dispersive use	<input type="checkbox"/> Consumer use	<input type="checkbox"/> Exposure of sensitive populations
<input type="checkbox"/> Exposure of environment	<input type="checkbox"/> Exposure of workers	<input type="checkbox"/> Cumulative exposure
<input checked="" type="checkbox"/> High RCR	<input type="checkbox"/> High (aggregated) tonnage	<input type="checkbox"/> Other (please specify below)
<p>The substance has no harmonised classification according to Annex VI of Regulation (EC) No 1272/2008 (CLP Regulation) but the registrant classified the substance as Repr. 2 (H361fd: Suspected of damaging fertility or the unborn child).</p> <p>The only information available for the reproductive toxicity endpoint is a reliable GLP combined repeated dose toxicity study with the reproduction/development toxicity screening test in Wistar rats (OECD 422) dosed at 20, 60 and 200 mg/kg bw/day via oral gavage.</p> <p>In this study, effects were observed on weight and histopathology of reproductive organs at the highest dose level (200 mg/kg bw/d) such as a decrease in absolute and relative testes and seminal vesicles weight, a decrease in absolute prostate and epididymides weight, oligospermia, increased incidence and/or severity of seminiferous cell debris, degeneration/depletion of spermatocytes and an increase in incidence and/or severity of spermatidic giant cells. The registrant states that these effects underlie the poor reproductive results, manifested in the lower fertility and conception index.</p> <p>With regard to the developmental effects observed in this study, it was reported that thirteen pups were found dead or went missing during the first days of lactation in the highest dose group, compared with three, three and one pups in the control, low and medium dose group. Seven of the thirteen dead pups were attributable to one female of the high dose group who had a total litter loss by Day 3. Missing pups were most likely cannibalized. A case of a external malformation consisted in small lower jaw was observed in a single pup at the mid dose level (60 mg/kg bw/d). However, due to its single occurrence, it was considered an incidental effect not attributable to the treatment.</p> <p>The screening test available gives indications of relevant reproductive effects that may have to be confirmed in a definitive reproductive toxicity study. As it is stated in the ECHA Guidance, chapter R.7a, the screening tests are not meant to provide complete information on all aspects of reproduction and development. In particular, postnatal effects associated with prenatal, postnatal or lactational exposure are not covered. In this case, more specific data on reproductive and developmental effects may be needed to confirm the present classification as Repr. 2 or even to change it to a more restrictive hazard category.</p> <p>In addition, it has to be noted that some RCR for industrial workers are close to 1 (combined routes, systemic long-term).</p>		

<sup>1</sup> CMR/Sensitiser: known carcinogenic and/or mutagenic and/or reprotoxic properties/known sensitising properties (according to CLP harmonized or registrant self-classification or CLP Inventory)

Suspected CMR/Suspected sensitiser: suspected carcinogenic and/or mutagenic and/or reprotoxic properties/suspected sensitising properties (not classified according to CLP harmonized or registrant self-classification)

Suspected PBT: Potentially Persistent, Bioaccumulative and Toxic

### 5.4 Preliminary indication of information that may need to be requested to clarify the concern

<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"/> Information ED potential	<input type="checkbox"/> Other (provide further details below)
Hazard data to investigate further reproductive toxicity.	

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

<input checked="" type="checkbox"/> Harmonised C&L	<input type="checkbox"/> Restriction	<input type="checkbox"/> Authorisation	<input type="checkbox"/> Other (provide further details)
If concern is confirmed, the substance should be harmonised classified as toxic to reproduction.			