

Substance Name: *N*-methylacetamide

EC Number: 201-182-6

CAS Number: 79-16-3

SUPPORT DOCUMENT FOR IDENTIFICATION OF

***N*-METHYLACETAMIDE**

**AS A SUBSTANCE OF VERY HIGH CONCERN BECAUSE OF ITS
CMR¹ PROPERTIES**

¹ CMR means carcinogenic, mutagenic or toxic for reproduction

CONTENTS

1	IDENTITY OF THE SUBSTANCE AND PHYSICAL AND CHEMICAL PROPERTIES	5
1.1	NAME AND OTHER IDENTIFIERS OF THE SUBSTANCE	5
1.2	COMPOSITION OF THE SUBSTANCE	6
2	HARMONISED CLASSIFICATION AND LABELLING	7
3	ENVIRONMENTAL FATE PROPERTIES	8
4	HUMAN HEALTH HAZARD ASSESSMENT	8
5	ENVIRONMENTAL HAZARD ASSESSMENT	8
6	CONCLUSIONS ON THE SVHC PROPERTIES	8
6.1	CMR ASSESSMENT	8

TABLES

Table 1: Substance identity	5
Table 2: Constituents	6
Table 3: Classification according to part 3 of Annex VI, Table 3.1 ((list of harmonised classification and labelling of hazardous substances) of Regulation (EC) No 1272/2008	7
Table 4: Classification according to part 3 of Annex VI, Table 3.2 (list of harmonized classification and labelling of hazardous substances from Annex I of Council Directive 67/548/EEC) of Regulation (EC) No 1272/2008	7

Substance Name: N-methylacetamide

EC Number: 201-182-6

CAS number: 79-16-3

The substance is identified as substance meeting the criteria of Article 57 (c) of Regulation (EC) 1907/2006 (REACH) owing to its classification as toxic for reproduction 1B² which corresponds to classification as toxic for reproduction category 2³.

Summary of how the substance meets the criteria set out in Article 57 (c) of REACH (Repr. 1B).

N-methylacetamide is listed as Index number 616-053-00-3 in Regulation (EC) No 1272/2008 and classified in Annex VI, part 3, Table 3.1 (list of harmonised classification and labelling of hazardous substances) as toxic for reproduction, Repr. 1B (H360D ***: "May damage the unborn child."). The corresponding classification in Annex VI, part 3, Table 3.2 (the list of harmonised classification and labelling of hazardous substances from Annex I to Directive 67/548/EEC) of Regulation (EC) No 1272/2008 is toxic for reproduction, Repr. Cat. 2, R61 ("May cause harm to the unborn child.").

Therefore, this classification of N-methylacetamide in Regulation (EC) No 1272/2008 shows that the substance meets the criteria for classification as toxic for reproduction in accordance with Article 57 (c) of REACH.

Registration dossiers submitted for the substance? Yes

² Classification in accordance with Regulation (EC) No 1272/2008 Annex VI, part 3, Table 3.1 List of harmonised classification and labelling of hazardous substances.

³ Classification in accordance with Regulation (EC) No 1272/2008, Annex VI, part 3, Table 3.2 List of harmonised classification and labelling of hazardous substances (from Annex I to Council Directive 67/548/EEC).

JUSTIFICATION

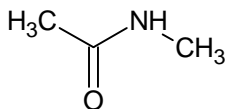
1 Identity of the substance and physical and chemical properties

1.1 Name and other identifiers of the substance

Table 1: Substance identity

EC number:	201-182-6
EC name:	<i>N</i> -methylacetamide
CAS number (in the EC inventory):	79-16-3
CAS number: Deleted CAS numbers:	79-16-3 1320-47-4
CAS name:	Acetamide, <i>N</i> -methyl-
IUPAC name:	<i>N</i> -Methylacetamide
Index number in Annex VI of the CLP Regulation	616-053-00-3
Molecular formula:	C ₃ H ₇ NO
Molecular weight range:	73.1 g/mol
Synonyms:	Monomethylacetamide Methylacetamide

Structural formula:



1.2 Composition of the substance

Name: *N*-methylacetamide

Description: ---

Degree of purity: 99.9 - 100 %

Table 2: Constituents

Constituents	Typical concentration	Concentration range	Remarks
<i>N</i> -methylacetamide 201-182-6		99.9 - 100 %	According to the information available in the registration dossiers

2 Harmonised classification and labelling

N-methylacetamide is listed as Index number 616-053-00-3 in Annex VI, part 3 of Regulation (EC) No 1272/2008 as follows:

Table 3: Classification according to part 3 of Annex VI, Table 3.1 ((list of harmonised classification and labelling of hazardous substances) of Regulation (EC) No 1272/2008

Index No	International Chemical Identification	EC No	CAS No	Classification		Labelling			Spec. Conc. Limits, M-factors	Notes
				Hazard Class and Category Code(s)	Hazard statement code(s)	Pictogram, Signal Word Code(s)	Hazard statement code(s)	Suppl. Hazard statement code(s)		
616-053-00-3	<i>N</i> -methylacetamide	201-182-6	79-16-3	Repr. 1B	H360D ***	GHS08 Dgr	H360D ***			

Table 4: Classification according to part 3 of Annex VI, Table 3.2 (list of harmonized classification and labelling of hazardous substances from Annex I of Council Directive 67/548/EEC) of Regulation (EC) No 1272/2008

Index No	International Chemical Identification	EC No	CAS No	Classification	Labelling	Concentration Limits	Notes
616-053-00-3	<i>N</i> -methylacetamide	201-182-6	79-16-3	Repr. Cat. 2; R61	T R: 61 S: 53-45		

3 Environmental fate properties

Not relevant for the identification of the substance as SVHC in accordance with Article 57(c).

4 Human health hazard assessment

See section 2 on harmonised classification and labelling.

5 Environmental hazard assessment

Not relevant for the identification of the substance as SVHC in accordance with Article 57(c).

6 Conclusions on the SVHC Properties

6.1 CMR assessment

N-methylacetamide is listed as Index number 616-053-00-3 in Regulation (EC) No 1272/2008 and classified in Annex VI, part 3, Table 3.1 (list of harmonised classification and labelling of hazardous substances) as toxic for reproduction, Repr. 1B (H360D ***: "May damage the unborn child."). The corresponding classification in Annex VI, part 3, Table 3.2 (the list of harmonised classification and labelling of hazardous substances from Annex I to Directive 67/548/EEC) of Regulation (EC) No 1272/2008 is toxic for reproduction, Repr. Cat. 2, R61 ("May cause harm to the unborn child.").

Therefore, this classification of *N*-methylacetamide in Regulation (EC) No 1272/2008 shows that the substance meets the criteria for classification as toxic for reproduction in accordance with Article 57 (c) of REACH.