

Justification for the selection of a candidate CoRAP substance

Substance Name (Public Name): 1, 3, 5-trioxane
EC Number: 203-812-5
CAS Number: 110-88-3
Submitted by: Bureau for Chemical Substances,
Poland
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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

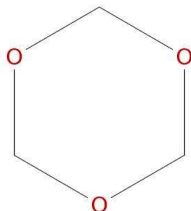
1.1 Name and other identifiers of the substance

Table 1: Substance identity

EC number:	203-812-5
EC name:	1,3,5-trioxane
CAS number (in the EC inventory):	110-88-3
CAS number:	110-88-3
CAS name:	1,3,5-Trioxane
IUPAC name:	1,3,5-trioxane
Index number in Annex VI of the CLP Regulation	605-002-00-0
Molecular formula:	C ₃ H ₆ O ₃
Molecular weight or molecular weight range:	90,08 g/mol
Synonyms:	s-Trioxane (8CI) 1,3,5-Trioxane (9CI) Trioxane (6CI, 7CI) Formaldehyde, trimer sym-Trioxane Triformol Trioxan Trioxymethylene Metaformaldehyd

Type of substance Mono-constituent Multi-constituent UVCB

Structural formula:



2 CLASSIFICATION AND LABELLING

2.1 Harmonised Classification in Annex VI of the CLP

Index no. 605-002-00-0 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,:

Classification		Labelling		Specific Conc. Limits, M-factors	Notes
Hazard Class and Category Code(s)	Hazard statement Code(s)	Pictogram, Signal Word Code(s)	Hazard statement Code(s)		
Flam. Sol. 1	H228	GHS02	H228		T
Repr. 2	H361d ***	GHS08	H361d ***		
STOT SE 3	H335	GHS07 Dgr	H335		

H228: Flammable solid.

H361d: Suspected of damaging the unborn child.

H335: May cause respiratory irritation.

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:

Classification	Labelling	Concentration Limits	Notes
F; R11 Repr. Cat. 3; R63 Xi; R37	F; Xn R: 11-37-63 S: (2-)36/37-46		

R11: Highly flammable.

R37: Irritating to the respiratory system.

R63: Possible risk of harm to the unborn child.

2.2 Proposal for Harmonised Classification in Annex VI of the CLP

None proposed.

2.3 Self classification

Only the harmonised classification is notified to the Classification and labelling inventory.

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 checked="" type="checkbox"/> (Suspected) Sensitiser	<input type="checkbox"/> Consumer use	<input type="checkbox"/> High RCR
<input checked="" type="checkbox"/> Suspected PBT	<input 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 substance is proposed based on its hazard potential, exposure profile and tonnage. 1, 3, 5-Trioxane is classified for reproductive toxicity category 2 and was selected because of its wide dispersive use and high release for environment. The substance is potential persistent and toxic substance for environment, potential sensitizer and reprotoxicant.

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 – 1,000,000 tpa
<input type="checkbox"/> 1,000,000 – 10,000,000 tpa	<input type="checkbox"/> > 10,000,000 tpa	
<input type="checkbox"/> <1 >+ tpa	<input type="checkbox"/> Confidential	

Please provide further details if appropriate

<input checked="" type="checkbox"/> Industrial use	<input checked="" type="checkbox"/> Professional use	<input type="checkbox"/> Consumer use	<input type="checkbox"/> Closed System
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The identified uses of the substance are wide-dispersive industrial use (e.g. manufacture of bulk, large scale chemicals (including petroleum products), manufacture of plastics products, including compounding and conversion)) and professional use (e.g. as laboratory chemicals).

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)	
<i>Please provide further details</i>	

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 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)	
Detailed evaluation of the available data may lead to further information requirements.	

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)
Depending on outcome of the substance evaluation.			