

Justification for the selection of a candidate CoRAP substance

Substance Name (Public Name):	Aluminium sulphate
Chemical Group:	Inorganic mono-constituent
EC Number:	233-135-0
CAS Number:	10043-01-3
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:	Aluminium sulfate
EC number:	233-135-0
EC name:	Aluminium sulphate
CAS number (in the EC inventory):	
CAS number:	10043-01-3
CAS name:	Sulfuric acid, aluminium salt (3:2)
IUPAC name:	Aluminium sulphate
Index number in Annex VI of the CLP Regulation	
Molecular formula:	$Al_3/2H_2O_4S$; General formula $Al_2(OH)_x(SO_4)_{(3-x/2)}$, with $x=0$ and $x=3$ and x ranging from 0 to 3.
Molecular weight or molecular weight range:	$\geq 215.06 - \leq 342.14$ g/mol
Synonyms:	Sulfuric acid, aluminum salt (3:2); Aluminum sulfate (2:3); Aluminum trisulfate; Aluminum(III) sulfate; Dialminum trisulfate; Aluminiumsulfat; sulfato de aluminio; sulfate d'aluminium; Aluminium sulfate Polyaluminium sulphate Sulfuric acid, aluminium salt, basic

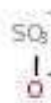
Type of substance:

 Mono-constituent

 Multi-constituent

 UVCB

Structural formula:



2 CLASSIFICATION AND LABELLING

2.1 Harmonised Classification in Annex VI of the CLP

None

2.2 Proposal for Harmonised Classification in Annex VI of the CLP

None

2.3 Self classification

The registration data includes the following self classification:

According to CLP criteria:

- Met. Corr. 1, H290: May be corrosive to metals
- Eye Damage 1, H318: Causes serious eye damage

According to DSD criteria:

- Xi; R41 Irritant; Risk of serious damage to eyes

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

- Acute Tox. 4, H302: Harmful if swallowed
- Skin Irrit. 2, H315: Causes skin irritation
- STOT SE 3, H335: May cause respiratory irritation
- Aquatic Acute 1, H400: Very toxic to aquatic life
- Aquatic Chronic 1, H410: Very toxic to aquatic life with long lasting effects
- Eye Irrit. 2, H319: Causes serious eye irritation
- Aquatic Chronic 2, H411: Toxic to aquatic life with long lasting effects
- Aquatic Chronic 3, H412: Harmful to aquatic life with long lasting effects

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 checked="" type="checkbox"/> Consumer use	<input checked="" type="checkbox"/> High RCR
<input 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)	

This substance is a very high tonnage substance with high exposure (some RCR in the registration data are >0.5). There are several uncertainties regarding this substance that should be clarified: uncertainty regarding carcinogenicity and mutagenicity, uncertainty regarding skin sensitisation (with spraying uses), uncertainty regarding the granulometry of the tested material.

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 type="checkbox"/> 10,000 - 100,000 t	<input checked="" type="checkbox"/> 100,000 - 1000,000 t	<input type="checkbox"/> > 1000,000 t	<input type="checkbox"/> Confidential	

<input checked="" type="checkbox"/> Industrial Use	<input checked="" type="checkbox"/> Professional Use	<input checked="" type="checkbox"/> Consumer Use	<input type="checkbox"/> Closed System
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3.4 Other completed/ongoing regulatory processes that may affect suitability for substance evaluation

<input type="checkbox"/> Compliance Check	<input checked="" 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)
There is a proposal for classification by The Netherlands in the framework of PPP regulation (expected for September 2012).	

3.5 Information to be requested to clarify the suspected risk

<input checked="" type="checkbox"/> Information on toxicological properties	<input type="checkbox"/> Information on exposure
<input type="checkbox"/> Information on fate and behaviour	<input checked="" type="checkbox"/> Information on uses
<input type="checkbox"/> Information on ecotoxicological properties	<input type="checkbox"/> Other (provide further details below)
<input checked="" type="checkbox"/> Information on physico-chemical properties	
There are several uncertainties regarding this substance that should be clarified: uncertainty regarding carcinogenicity and mutagenicity, uncertainty regarding skin sensitisation (with spraying uses), uncertainty regarding the granulometry of the tested material.	

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)
Follow-up will depend on the outcomes of the substance evaluation process.	