
SUBSTANCE IDENTITY PROFILE: DIANTIMONY TRIOXIDE
(ATO) - April 2017

Data to be reported in sections 1.1 and 1.2 from IUCLID, based on the Guidance for identification and naming of substances under REACH and CLP – Appendix III

(https://echa.europa.eu/documents/10162/13643/substance_id_en.pdf/ee696bad-49f6-4fec-b8b7-2c3706113c7d) and the REACH text Annex VI (<http://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:02006R1907-20161011&from=EN>)

GENERAL INFORMATION

Name **Diantimony trioxide/EC 215-175-0/CAS 1309-64-4**

Type of composition **boundary composition of the substance**

State/Form **solid: particulate/powder**

Type of substance **Mono-constituent substance**

Origin **Inorganic**

Highest tonnage band of the Joint Submission **>1000**

Type of registration **Full substance**

Compositions covered by the Joint submission:

- **Representative sample**
- **Medium PbO**
- **High PbO**

SIP ATO

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A. CONSTITUENTS – REPRESENTATIVE SAMPLE

Reference substance [Diantimony trioxide/EC 215-175-0/CAS 1309-64-4](#)

Typical concentration > 98 % (w/w)

Concentration range > 98 - < 100 % (w/w)

IMPURITIES

Impurity 1

Reference substance [Diarsenic trioxide/EC 215-481-4/CAS 1327-53-3](#)

Typical concentration < 0.1 % (w/w)

Concentration range ≥ 0 - < 0.1 % (w/w)

This impurity is NOT considered as relevant for the classification and the labelling of the substance

Impurity 2

Reference substance [Lead monoxide/EC 215-267-0/CAS 1317-36-8](#)

Typical concentration < 0.25 % (w/w)

Concentration range ≥ 0 - < 0.25 % (w/w)

This impurity is considered as relevant for the classification and the labelling of the substance

Impurity 3 : Other impurities for which the individual composition doesn't exceed 0,1% and are not classified and are not relevant for the substance classification

Typical concentration ≤ 1.75 % (w/w)

Concentration range ≥ 0 - ≤ 1.75 % (w/w)

B. CONSTITUENTS- COMPOSITION MEDIUM PbO

Reference substance [Diantimony trioxide/EC 215-175-0/CAS 1309-64-4](#)

Typical concentration > 97.1 % (w/w)

Concentration range > 97.1 - <= 99.6 % (w/w)

IMPURITIES

Impurity 1

Reference substance [Diarsenic trioxide/EC 215-481-4/CAS 1327-53-3](#)

Typical concentration < 0.1 % (w/w)

Concentration range >= 0 - < 0.1 % (w/w)

This impurity is NOT considered as relevant for the classification and the labelling of the substance

Impurity 2

Reference substance [Lead monoxide/EC 215-267-0/CAS 1317-36-8](#)

Typical concentration < 0.3 % (w/w)

Concentration range >= 0.25 - < 0.3 % (w/w)

This impurity is considered as relevant for the classification and the labelling of the substance

Impurity 3 : Other impurities for which the individual composition doesn't exceed 0,1% and are not classified and are not relevant for the substance classification

Typical concentration <= 2.6 % (w/w)

Concentration range >= 0 - <= 2.6 % (w/w)

C. CONSTITUENTS- COMPOSITION HIGH PbO

Reference substance [Diantimony trioxide/EC 215-175-0/CAS 1309-64-4](#)

Typical concentration > 97 % (w/w)

Concentration range > 97 - <= 99.6 % (w/w)

IMPURITIES

Impurity 1

Reference substance [Diarsenic trioxide/EC 215-481-4/CAS 1327-53-3](#)

Typical concentration < 0.1 % (w/w)

Concentration range >= 0 - < 0.1 % (w/w)

This impurity is considered as NOT relevant for the classification and the labelling of the substance

Impurity 2

Reference substance [Lead monoxide/EC 215-267-0/CAS 1317-36-8](#)

Typical concentration < 2.5 % (w/w)

Concentration range >= 0.3 - < 2.5 % (w/w)

This impurity is considered as relevant for the classification and the labelling of the substance

Impurity 3: Other impurities for which the individual composition doesn't exceed 0,1% and are not classified and are not relevant for the substance classification

Typical concentration <= 0.4 % (w/w)

Concentration range >= 0 - <= 0.4 % (w/w)