AnalytiChem Belgium NV
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# SAFETY DATA SHEET

## 1. Identification of the substance / preparation and company.

### 1.1 Product identifier

| | |
|---|---|
| Product Nr. | CL05.1402 |
| Trade name | Sodium arsenite 0.05 mol/l |
| REACH Registration Number | A registration number is not available for this substance as the substance or its use are exempted from registration according to Article 2 REACH Regulation (EC) No 1907/2006, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline. |
| CAS-No. | 7784-46-5 |

### 1.2 Relevant identified uses of the substance or mixture and uses adviced against

Identified uses: Reagent for analysis
In compliance with the conditions described in the annex to this safety data sheet.

### 1.3 Information provided by AnalytiChem Belgium NV product service.

Responsible department: AnalytiChem Belgium NV
Industriezone "De Arend" 2
B-8210 Zedelgem
BELGIUM
Tel. +32 50 28 83 20 e-mail: info.be@analytichem.com

### 1.4 Emergency telephone: 00 (32) 50.28.83.20

## 2. Hazard identification

### 2.1 Classification of the substance or the mixture (EG 1272/2008)

Acute toxicity, Oral, Categorie 3, H301
Hazardous to the aquatic environment, Categorie 3, H311
Hazardous to the aquatic environment, Categorie 2, H411

For the full text of H-sentences mentioned in this Section, see Section 16

For the full text of R-sentences mentioned in this Section, see Section 16

### 2.2 GHS-Labelling

GHS-Labelling Labelling (REGULATION (EC) No 1272/2008) (EG 1272/2008)
Hazard pictograms:



Signal word:
Warning :

Hazard statements:

| | |
|---|---|
| H301 | Toxic if swallowed. |
| H311 | Toxic in contact with skin. |
| H411 | Toxic to aquatic life with long lasting effects. |

Precautionary statements:

| | |
|---|---|
| P261 | Avoid breathing dust, fume, gas, mist, vapours, spray. |
| P273 | Avoid release to the environment. |
| P301 + P310 | IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. |
| P311 | Call a POISON CENTER or doctor/physician. |

Reduced labelling
Hazard pictograms:





Signal word:
Warning :

## 3. Composition / Information on ingredients.

### 3.1 Substance

Not applicable

### 3.2 Mixture

Hazardous Ingredients:
Name according to EC directives:

| Component | Cas-No. | Concentration | Classification (REGULATION (EC) No 1272/2008) |
|---|---|---|---|
| Arsenicum(III) oxide a.r. | 1327-53-3 | ≥0,1%-<1% | Acute Tox. (oral) 2 (H300)<br>Skin Corr. 1B (H314)<br>Carc. (H350)<br>Aquatic Chronic 1 (H410) |

| Component | Reach Number |
|---|---|
| Arsenicum(III) oxide a.r. | 01-2119502457-43 |

For the full text of H-Phrases mentioned in this Section, see Section 16.

## 4. First aid measures.

### 4.1 Description of first aid measures

**General advice**

First-aid personnel: ensure self-protection!

After inhalation: Fresh air. If breathing stops immediately apply mechanical ventilation, if necessary oxygen mask. Immediately call in physician.

After contact with skin: Wash off with plenty of water. Remove contaminated clothing.

After contact with eyes: Rinse out with plenty of water with the eyelid held wide open.

After ingestion: Never give anything by mouth to an unconscious person. Make the victim drink plenty of water, induce vomiting. Call in physician.

**4.2 Most important symptoms and effects, both acute and delayed**

The most important known symptoms and effects are described in the labeling (see section 2.2) and/or in section 11

**4.3 Indication of any immediate medical attention and special treatment needed**

No data available

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## 5. Fire fighting measures.

**5.1 Extinguishing media**

**Suitable extinguishing media**

In adaption to materials stored in the immediate neighbourhood.

**Unsuitable extinguishing media**

Prevent fire-fighting water from entering surface water or groundwater.

**5.2 Special hazards arising from substance or mixture**

Non-combustible. Ambient fire may liberate hazardous vapours.

**5.3 Advice for firefighters**

Do not stay in dangerous zone without self-contained breathing apparatus. In order to avoid contact with skin, keep a safety distance and wear suitable protective clothing.

**5.4 Further information**

No data available

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## 6. Accidental release measures.

**6.1 Personal precautions, protective equipment and emergency procedures**

Do not inhale vapours/aerosols. Avoid substance contact. Ensure supply of fresh air in enclosed rooms.
For personal protection see section 8.

**6.2 Environmental precautions**

Place in a closed container for disposal

**6.3 Methods and materials for containment and cleaning up**

Absorb on vermiculite, sand or a pillow from Chemical Spill Center.

**6.4 Reference to other sections**

For disposal see section 13.

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## 7. Handling and storage.

**7.1 Precautions for safe handling**

No special measures necessary. The product should be handled with the care usual when dealing with chemicals.
For precautions see section 2.2

**7.2 Conditions for safe storage, including any incompatibilities**

Closed in a well ventilated place.
Recommended storage temperature see product label.

**7.3 Specific end use(s)**

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

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## 8. Exposure controls - Personal protection.

**8.1 Control parameters**

### 8.2 Exposure controls

**Engineering measures**
Protective clothing should be selected specificlly for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

See section 7.1

**Individual protection measures**
Immediately change contaminated clothing. Apply skin- protective barrier cream. Wash hands and face after working with substance. Under no circumstances eat or drink at workplace. Work under hood . Do not inhale substance.

**Respiratory protections**
Required when vapours/aerosols are generated.
The entrepeneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.

**Eye protection**
Required.

**Hand protection**
Required.

**Body protection**
Required.

**Environmental exposure controls**
Place in a closed container for disposal

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## 9. Physical and chemical properties.

### 9.1 Information on basic physical

| | |
|---|---|
| Appearence | |
| Form: | Liquid |
| Colour: | Colourless |
| Odour: | Odourless |
| Changes in physical state | |
| Melting Point: | 0°C |
| Boiling point: | 100°C |
| Flash point: | - |
| Self Ignation temperature: | - |
| Mol. Weight: | 129.91 g/mol |
| Density: | 1,01 g/ml |
| pH value: | pH > 12 |
| Solubility in water: | |
| Explosion limits: | |

### 9.2 Other data
No further relevant information available.

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## 10. Stability and reactivity.

### 10.1 Reactivity

See section 10.3

**10.2 Chemical stability**
No further relevant information available.

**10.3 Possibility of hazardous reactions**
The generally known reaction partners of water.

**10.4 Conditions to avoid**
No further relevant information available.

**10.5 Incompatible materials**
No further relevant information available.

**10.6 Hazardous decomposition products**
No further relevant information available.

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## 11. Toxicological information.

**11.1 Information on toxicological effects**

Acute oral toxity
LD50 orl. rat 41 mg/kg

Acute inhalation toxity
No further relevant information available.

Acute dermal toxity
No further relevant information available.

Skin irritation
No further relevant information available.

Eye irritation
No further relevant information available.

Sensitisation
No further relevant information available.

Germ cell mutagenicity
No further relevant information available.

Carcinogenicity
No further relevant information available.

Reproductive toxity
No further relevant information available.

Teratogenicity
No further relevant information available.

Specific target organ toxity - single exposure
No further relevant information available.

Specific target organ toxity - repeated exposure
No further relevant information available.

Aspiration hazard
No further relevant information available.

**11.2 Further information**
No further relevant information available.
Further data:
Handle in accordance with good industrial hygiene and safety practice..

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## 12. Ecological information.

**12.1 Toxity**
No further relevant information available.
**12.2 Persistence and degradability**
No further relevant information available.

**12.3 Bioaccumulative potential**
No further relevant information available.

**12.4 Mobility in soil**
No further relevant information available.

**12.5 Results of PBT and vPvB assessment**
No further relevant information available.

**12.6 Other adverse effects**
Do not allow to enter waters, waste water, or soil!

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## 13. Disposal considerations.

Product: Chemicals must be disposed of in compliance with the respective national regulations. Packaging: Chem-lab product packaging must be disposed of in compliance with the country-specific regulations or must be passed to a packaging return system.

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## 14. Transport information.

**Land Transport (ADR/RID)**

| | |
|---|---|
| **14.1 UN number** | UN 1686 |
| **14.2 Proper shipping name** | Sodium arsenite, aqueous solution |
| **14.3 Class** | 6.1 |
| **14.4 Packing group** | II |
| **14.5 Environmentally hazardous** | yes |
| **14.6 Special precautions for user** | no |
| Tunnel restriction code | (D/E) |

**Inland waterway transport (ADN)**
Not relevant

**Air Transport (IATA)**

| | |
|---|---|
| **14.1 UN number** | UN 1686 |
| **14.2 Proper shipping name** | Sodium arsenite, aqueous solution |
| **14.3 Class** | 6.1 |
| **14.4 Packing group** | II |
| **14.5 Environmentally hazardous** | yes |
| **14.6 Special precautions for user** | no |

**Sea Transport (IMDG)**

| | |
|---|---|
| **14.1 UN number** | UN 1686 |
| **14.2 Proper shipping name** | Sodium arsenite, aqueous solution |
| **14.3 Class** | 6.1 |
| **14.4 Packing group** | II |
| **14.5 Environmentally hazardous** | yes |
| **14.6 Special precautions for user** | no |

**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**
Not relevant

## 15. Regulatory information.

### 15.1 Safety, health and environmental regulations/legislation speficic for the substance or mixture

For this product an assessment was not carried out.

### 15.2 Chemical Safety Assesment

For this product an assessment was not carried out.

## 16. Other information.

The information and recommendations in this MSDS are to the best of our knowledge, information and belief accurate at the date of publications. Although outmost care has been taken in the composition of this text, the publisher cannot be held responsible for any damage resulting from any possible error in this publications.

Full text of H-Statements referred to under sections 2 and 3.

H300 Fatal if swallowed.

H301 Toxic if swallowed.

H311 Toxic in contact with skin.

H314 Causes severe skin burns and eye damage.

H350 May cause cancer.

H410 Very toxic to aquatic life with long lasting effects.

H411 Toxic to aquatic life with long lasting effects.