

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**ICP Standard, Mo, 10,000 Åµg/ml (140-060-420)**

Revision: 20.08.2025

Product code: AC18.05762

Page 1 of 9

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

ICP Standard, Mo, 10,000 Åµg/ml (140-060-420)

**1.2. Relevant identified uses of the substance or mixture and uses advised against****Use of the substance/mixture**

Reagents and laboratory chemicals  
Only for laboratory and analysis purposes.

**Uses advised against**

Do not use for private purposes (household).

**1.3. Details of the supplier of the safety data sheet****Details of the supplier of the safety data sheet**

Company name: AnalytiChem Services, Unipessoal, Lda  
Street: Rua de Júlio Dinis 676 7º  
Place: P-4050-320 Porto  
Telephone: +351 226002917  
E-mail: info@analytichem.com  
Contact person: SDS service department  
E-mail: SDS@analytichem.com  
Internet: www.analytichem.com  
Responsible Department: SDS service department

**Supplier or manufacturer details**

Company name: AnalytiChem Canada Inc.  
Québec, CANADA  
Street: 21800 Clark Graham Ave  
Place: CDN-H9X 4B6 Baie-D'Urfé  
Telephone: +1 (800) 361-6820 Telefax: +1 (800) 253-5549  
E-mail: info@analytichem.com  
Contact person: SDS service department  
E-mail: SDS@analytichem.com  
Internet: www.analytichem.com  
Responsible Department: AnalytiChem:  
EU-Belgium: AnalytiChem Belgium, Industriezone "De Arend" 2, 8210 Zedelgem, Belgium, +32 50 28 83 20  
EU-Germany: AnalytiChem Germany, Stempelstrasse 6, 47167 Duisburg, Germany, +49 203 51 94 – 200  
EU-Netherlands: AnalytiChem Netherlands, Communicatieweg 7, 3641 SG Mijdrecht, The Netherlands, +31 297 286848  
UK: AnalytiChem UK, Unit 7 Launton Business Center, Murdock Road, Bicester, OX26 4XB, England, +44 1869 355 500  
USA: AnalytiChem USA, 227 China Road, Winslow, Maine, 04901, United States, +1 800-244-8378  
Canada: AnalytiChem Canada, 21800 Clark Graham Avenue, Baie d'Urfe, H9X 4B6, Canada, +1 514-457-0701  
Australia: ORE Research & Exploration Pty Ltd, 37A Hosie Street, Bayswater North, 3153, Australia, +61 3 9729 0333  
+353 1 901 4670 (CHEMTREC)

**1.4. Emergency telephone number:****Further Information**

No data available

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

## ICP Standard, Mo, 10,000 Åµg/ml (140-060-420)

Revision: 20.08.2025

Product code: AC18.05762

Page 2 of 9

## SECTION 2: Hazards identification

**2.1. Classification of the substance or mixture****Regulation (EC) No 1272/2008**

This mixture is not classified as hazardous in accordance with Regulation (EC) No 1272/2008.

**2.2. Label elements****Regulation (EC) No 1272/2008****Hazard statements**

EUH210

Safety data sheet available on request.

**2.3. Other hazards**

No data available

## SECTION 3: Composition/information on ingredients

**3.2. Mixtures****Chemical characterization**

Mixtures in aqueous solution

**Relevant ingredients**

| CAS No     | Chemical name                                 |          |          | Quantity  |
|------------|-----------------------------------------------|----------|----------|-----------|
|            | EC No                                         | Index No | REACH No |           |
|            | Classification (Regulation (EC) No 1272/2008) |          |          |           |
| 13106-76-8 | Ammonium orthomolybdate                       |          |          | 1 - < 5 % |
|            | Acute Tox. 4; H302                            |          |          |           |

Full text of H and EUH statements: see section 16.

**Specific Conc. Limits, M-factors and ATE**

| CAS No     | EC No | Chemical name                            | Quantity  |
|------------|-------|------------------------------------------|-----------|
|            |       | Specific Conc. Limits, M-factors and ATE |           |
| 13106-76-8 |       | Ammonium orthomolybdate                  | 1 - < 5 % |
|            |       | oral: ATE = 500 mg/kg                    |           |

**Further Information**

No data available

## SECTION 4: First aid measures

**4.1. Description of first aid measures****General information**

No data available

**After inhalation**

Provide fresh air.

**After contact with skin**

Wash immediately with: Water

**After contact with eyes**

Rinse immediately carefully and thoroughly with eye-bath or water.

**After ingestion**

Rinse mouth immediately and drink plenty of water.

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

No data available

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### ICP Standard, Mo, 10,000 Åµg/ml (140-060-420)

Revision: 20.08.2025

Product code: AC18.05762

Page 3 of 9

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

No data available

### **SECTION 5: Firefighting measures**

#### **5.1. Extinguishing media**

##### **Suitable extinguishing media**

Co-ordinate fire-fighting measures to the fire surroundings.

##### **Unsuitable extinguishing media**

No data available

#### **5.2. Special hazards arising from the substance or mixture**

Non-combustible liquids

#### **5.3. Advice for firefighters**

In case of fire: Wear self-contained breathing apparatus.

##### **Additional information**

Use water spray jet to protect personnel and to cool endangered containers.

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

### **SECTION 6: Accidental release measures**

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

##### **General advice**

No data available

##### **For non-emergency personnel**

Provide adequate ventilation.

Use personal protection equipment.

Avoid contact with skin, eyes and clothes.

Remove persons to safety.

Emergency procedures

Consult an expert

Do not breathe dust/fume/gas/mist/vapours/spray.

##### **For emergency responders**

Precautionary statements For emergency responders : Personal protection equipment: see section 8

#### **6.2. Environmental precautions**

Do not allow to enter into surface water or drains.

#### **6.3. Methods and material for containment and cleaning up**

##### **For containment**

Cover drains. Prevent spread over a wide area (e.g. by containment or oil barriers). Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Collect in closed and suitable containers for disposal.

##### **For cleaning up**

Clean contaminated articles and floor according to the environmental legislation.

##### **Other information**

Provide adequate ventilation.

Do not breathe dust/fume/gas/mist/vapours/spray.

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

#### **6.4. Reference to other sections**

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**ICP Standard, Mo, 10,000 Åµg/ml (140-060-420)**

Revision: 20.08.2025

Product code: AC18.05762

Page 4 of 9

**SECTION 7: Handling and storage****7.1. Precautions for safe handling****Advice on safe handling**

Handle and open container with care.  
Keep container tightly closed.  
Do not breathe vapour/aerosol.  
Avoid contact with skin, eyes and clothes.

**Advice on protection against fire and explosion**

Usual measures for fire prevention.

**Advice on general occupational hygiene**

Wash contaminated clothing prior to re-use.  
Do not breathe vapour/aerosol.  
Avoid contact with skin, eyes and clothes.

**Further information on handling**

Wash contaminated clothing before reuse.  
Wash hands before breaks and after work.

**7.2. Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

Keep container tightly closed.  
storage temperature: +15°C - +25°C

**Hints on joint storage**

No data available

**Further information on storage conditions**

Store in a dry place.

**7.3. Specific end use(s)**

Laboratory chemicals  
Only for laboratory and analysis purposes.

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****8.2. Exposure controls****Appropriate engineering controls**

Technical measures and the application of suitable work processes have priority over personal protection equipment.

**Individual protection measures, such as personal protective equipment****Eye/face protection**

goggles

**Hand protection**

Tested protective gloves must be worn  
The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.

**Skin protection**

Wear suitable protective clothing.  
Wash hands before breaks and after work.

**Respiratory protection**

Respiratory protection necessary at: aerosol or mist formation

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

## ICP Standard, Mo, 10,000 Åµg/ml (140-060-420)

Revision: 20.08.2025

Product code: AC18.05762

Page 5 of 9

The entrepreneur 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.

**Thermal hazards**

No data available

**Environmental exposure controls**

Do not allow to enter into surface water or drains.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

|                                                           |                   |                          |
|-----------------------------------------------------------|-------------------|--------------------------|
| Physical state:                                           | Liquid            |                          |
| Colour:                                                   | colourless        |                          |
| Odour:                                                    | odourless         |                          |
| Odour threshold:                                          | No data available |                          |
| Melting point/freezing point:                             |                   | No data available        |
| Boiling point or initial boiling point and boiling range: |                   | No data available        |
| Flammability:                                             |                   | No data available        |
| Lower explosion limits:                                   |                   | No data available        |
| Upper explosion limits:                                   |                   | No data available        |
| Flash point:                                              |                   | No data available        |
| Auto-ignition temperature:                                |                   | No data available        |
| Decomposition temperature:                                |                   | No data available        |
| pH-Value:                                                 |                   | No data available        |
| Viscosity / kinematic:                                    |                   | No data available        |
| Water solubility:                                         |                   | No data available        |
| Solubility in other solvents                              |                   |                          |
| No data available                                         |                   |                          |
| Dissolution rate:                                         |                   | No data available        |
| Partition coefficient n-octanol/water:                    |                   | No data available        |
| Dispersion stability:                                     |                   | No data available        |
| Vapour pressure:                                          |                   | No data available        |
| Vapour pressure:                                          |                   | No data available        |
| Density (at 22 °C):                                       |                   | ~1.010 g/cm <sup>3</sup> |
| Relative density:                                         |                   | No data available        |
| Bulk density:                                             |                   | No data available        |
| Relative vapour density:                                  |                   | No data available        |

**9.2. Other information****Information with regard to physical hazard classes**

## Explosive properties

No data available

## Sustained combustibility:

No data available

## Self-ignition temperature

Solid:

No data available

Gas:

No data available

## Oxidizing properties

No data available

**Other safety characteristics**

## Evaporation rate:

No data available

## Solvent separation test:

No data available

## Solvent content:

No data available

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

## ICP Standard, Mo, 10,000 Åµg/ml (140-060-420)

Revision: 20.08.2025

Product code: AC18.05762

Page 6 of 9

Solid content: No data available  
Sublimation point: No data available  
Softening point: No data available  
Pour point: No data available  
No data available:  
Viscosity / dynamic: No data available  
Flow time: No data available

**Further Information**

No data available

**SECTION 10: Stability and reactivity****10.1. Reactivity**

No data available

**10.2. Chemical stability**

No data available

**10.3. Possibility of hazardous reactions**

No data available

**10.4. Conditions to avoid**

No data available

**10.5. Incompatible materials**

No data available

**10.6. Hazardous decomposition products**

No data available

**Further information**

No data available

**SECTION 11: Toxicological information****11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008****Toxicocinetics, metabolism and distribution**

There are no data available on the mixture itself.

**Acute toxicity**

Based on available data, the classification criteria are not met.

**ATEmix calculated**

ATE (oral) &gt; 5000 mg/kg; ATE (dermal) &gt; 2000 mg/kg; ATE (inhalation vapour) &gt; 20 mg/l; ATE (inhalation dust/mist) &gt; 5 mg/l

| CAS No     | Chemical name           |               |         |        |        |
|------------|-------------------------|---------------|---------|--------|--------|
|            | Exposure route          | Dose          | Species | Source | Method |
| 13106-76-8 | Ammonium orthomolybdate |               |         |        |        |
|            | oral                    | ATE 500 mg/kg |         |        |        |

**Irritation and corrosivity**

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation: Based on available data, the classification criteria are not met.

**Sensitising effects**

Based on available data, the classification criteria are not met.

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**ICP Standard, Mo, 10,000 µg/ml (140-060-420)**

Revision: 20.08.2025

Product code: AC18.05762

Page 7 of 9

**Carcinogenic/mutagenic/toxic effects for reproduction**

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive toxicity: Based on available data, the classification criteria are not met.

**STOT-single exposure**

Based on available data, the classification criteria are not met.

**STOT-repeated exposure**

Based on available data, the classification criteria are not met.

**Aspiration hazard**

Based on available data, the classification criteria are not met.

**Information on likely routes of exposure**

There are no data available on the mixture itself.

**Specific effects in experiment on an animal**

There are no data available on the mixture itself.

**Additional information on tests**

There are no data available on the mixture itself.

**Practical experience**

There are no data available on the mixture itself.

**11.2. Information on other hazards****Endocrine disrupting properties**

There are no data available on the mixture itself.

**Other information**

There are no data available on the mixture itself.

**Further information**

There are no data available on the mixture itself.

**SECTION 12: Ecological information****12.1. Toxicity**

Based on available data, the classification criteria are not met.

**12.2. Persistence and degradability**

No data available

**12.3. Bioaccumulative potential**

There are no data available on the mixture itself.

**12.4. Mobility in soil**

There are no data available on the mixture itself.

**12.5. Results of PBT and vPvB assessment**

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

**12.6. Endocrine disrupting properties**

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

**12.7. Other adverse effects**

There are no data available on the mixture itself.

**Further information**

Do not allow to enter into surface water or drains.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods**

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

## ICP Standard, Mo, 10,000 Åµg/ml (140-060-420)

Revision: 20.08.2025

Product code: AC18.05762

Page 8 of 9

**Disposal recommendations**

Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

**Contaminated packaging**

Waste codes/waste designations according to EWC/AVV

**SECTION 14: Transport information****Land transport (ADR/RID)**

|                                          |                                                          |
|------------------------------------------|----------------------------------------------------------|
| <b>14.1. UN number or ID number:</b>     | No dangerous good in sense of this transport regulation. |
| <b>14.2. UN proper shipping name:</b>    | No dangerous good in sense of this transport regulation. |
| <b>14.3. Transport hazard class(es):</b> | No dangerous good in sense of this transport regulation. |
| <b>14.4. Packing group:</b>              | No dangerous good in sense of this transport regulation. |

**Inland waterways transport (ADN)**

|                                          |                                                          |
|------------------------------------------|----------------------------------------------------------|
| <b>14.1. UN number or ID number:</b>     | No dangerous good in sense of this transport regulation. |
| <b>14.2. UN proper shipping name:</b>    | No dangerous good in sense of this transport regulation. |
| <b>14.3. Transport hazard class(es):</b> | No dangerous good in sense of this transport regulation. |
| <b>14.4. Packing group:</b>              | No dangerous good in sense of this transport regulation. |

**Marine transport (IMDG)**

|                                          |                                                          |
|------------------------------------------|----------------------------------------------------------|
| <b>14.1. UN number or ID number:</b>     | No dangerous good in sense of this transport regulation. |
| <b>14.2. UN proper shipping name:</b>    | No dangerous good in sense of this transport regulation. |
| <b>14.3. Transport hazard class(es):</b> | No dangerous good in sense of this transport regulation. |
| <b>14.4. Packing group:</b>              | No dangerous good in sense of this transport regulation. |

**Air transport (ICAO-TI/IATA-DGR)**

|                                          |                                                          |
|------------------------------------------|----------------------------------------------------------|
| <b>14.1. UN number or ID number:</b>     | No dangerous good in sense of this transport regulation. |
| <b>14.2. UN proper shipping name:</b>    | No dangerous good in sense of this transport regulation. |
| <b>14.3. Transport hazard class(es):</b> | No dangerous good in sense of this transport regulation. |
| <b>14.4. Packing group:</b>              | No dangerous good in sense of this transport regulation. |

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No

**14.6. Special precautions for user**

No dangerous good in sense of this transport regulation.

**14.7. Maritime transport in bulk according to IMO instruments**

No dangerous good in sense of this transport regulation.

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

Restrictions on use (REACH, annex XVII):

Entry 65

Information according to Directive  
2012/18/EU (SEVESO III):

Not subject to 2012/18/EU (SEVESO III)

**National regulatory information**

Water hazard class (D): - - non-hazardous to water

**Additional information**

No data available

**SECTION 16: Other information****Abbreviations and acronyms**

Acute Tox. 4: Acute toxicity, hazard category 4

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**ICP Standard, Mo, 10,000 Åµg/ml (140-060-420)**

Revision: 20.08.2025

Product code: AC18.05762

Page 9 of 9

**Relevant H and EUH statements (number and full text)**

|        |                                         |
|--------|-----------------------------------------|
| H302   | Harmful if swallowed.                   |
| EUH210 | Safety data sheet available on request. |

**Further Information**

Provide appropriate information, instructions and training to users

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights.

The receiver of our product is singularly responsible for adhering to existing laws and regulations.

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*(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*