

## AccuSPEC custom calibration standard for IC

Revision date: 08/15/2023

Product code: AC18.08785

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### 1. Identification

#### Product identifier

AccuSPEC custom calibration standard for IC

#### Recommended use of the chemical and restrictions on use

##### 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).

#### Details of the supplier of the safety data sheet

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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.  
Street: Québec, CANADA  
Place: 21800 Clark Graham Ave  
CDN-H9X 4B6 Baie-D'Urfé  
Telephone: +1 (800) 361-6820  
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E-mail: SDS@analytichem.com  
Internet: www.analytichem.com  
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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  
Telefax: +1 (800) 253-5549

#### Emergency phone number:

+1 703-741-5970 (CHEMTREC)

#### Further Information

No data available

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### 2. Hazard(s) identification

#### Classification of the chemical

##### Regulation (EC) No 1272/2008

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

#### Label elements

##### Hazards not otherwise classified

No data available

### 3. Composition/information on ingredients

#### Mixtures

##### Chemical characterization

Mixtures in aqueous solution

##### Relevant ingredients

none (according to Regulation (EC) No 1907/2006 (REACH))

##### Further Information

This product does not contain substances of very high concern according to Regulation (EC) No 1907/2006 (REACH), Article 57 above the respective regulatory concentration limit of = 0.1 % (w/w).

### 4. First-aid measures

#### Description of first aid measures

##### General information

No data available

##### After inhalation

Provide fresh air.

##### After contact with skin

Wash immediately with: Water

Take off immediately all contaminated clothing and wash it before reuse.

##### After contact with eyes

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

Remove contact lenses, if present and easy to do. Continue rinsing.

##### After ingestion

Rinse mouth immediately and drink plenty of water.

Call a doctor if you feel unwell.

#### Most important symptoms and effects, both acute and delayed

No data available

#### Indication of any immediate medical attention and special treatment needed

No data available

### 5. Fire-fighting measures

#### Extinguishing media

##### Suitable extinguishing media

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

##### Unsuitable extinguishing media

no restriction

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### Specific hazards arising from the chemical

Non-combustible liquids

### Special protective equipment and precautions for fire-fighters

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

### Additional information

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

## 6. Accidental release measures

### 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/vapors/spray.

#### **For emergency responders**

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

### Environmental precautions

Do not allow to enter into surface water or drains.

### Methods and material for containment and cleaning up

#### **For containment**

Wipe up with absorbent material (eg. cloth, fleece).

#### **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/vapors/spray.

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

### Reference to other sections

Safe handling: see section 7

Personal protection equipment (PPE): see section 8

Disposal: see section 13

## 7. Handling and storage

### Precautions for safe handling

#### **Advice on safe handling**

Handle and open container with care.

Do not breathe vapor or spray.

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 vapor or spray.

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Avoid contact with skin, eyes and clothes.

### Further information on handling

Wash contaminated clothing before reuse.

Wash hands before breaks and after work.

### Conditions for safe storage, including any incompatibilities

#### Requirements for storage rooms and vessels

Keep container tightly closed.

#### Hints on joint storage

No data available

#### Further information on storage conditions

Store in a dry place.

### Specific end use(s)

Laboratory chemicals

## 8. Exposure controls/personal protection

### Control parameters

### 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

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. 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

##### Thermal hazards

No data available

##### Environmental exposure controls

Discharge into the environment must be avoided.

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

|                                                           |                   |                   |
|-----------------------------------------------------------|-------------------|-------------------|
| Physical state:                                           | Liquid            |                   |
| Color:                                                    | colorless         |                   |
| Odor:                                                     | odorless          |                   |
| Odour threshold:                                          | No data available |                   |
| Melting point/freezing point:                             |                   | No data available |
| Boiling point or initial boiling point and boiling range: |                   | ~100 °C           |
| Flammability:                                             |                   | No data available |

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|                                        |                          |
|----------------------------------------|--------------------------|
| 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        |
| Vapor pressure:                        | No data available        |
| Vapor pressure:                        | No data available        |
| Density (at 22,3 °C):                  | ~0,996 g/cm <sup>3</sup> |
| Relative density:                      | No data available        |
| Bulk density:                          | No data available        |
| Relative vapour density:               | No data available        |
| Particle characteristics:              | No data available        |

### 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:         | 0                 |
| Solid content:           | 0                 |
| 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

## 10. Stability and reactivity

### Reactivity

No data available

### Chemical stability

No data available

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### Possibility of hazardous reactions

No data available

### Conditions to avoid

No data available

### Incompatible materials

No data available

### Hazardous decomposition products

No data available

### Further information

No data available

## 11. Toxicological information

### Information on toxicological effects

#### **Toxicokinetics, 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) > 5000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

#### **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.

#### **Sensitizing effects**

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

#### **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.

#### **Specific target organ toxicity (STOT) - single exposure**

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

#### **Specific target organ toxicity (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.

#### **Route(s) of Entry**

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.

### Information on other hazards

#### **Endocrine disrupting properties**

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

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### Other information

There are no data available on the mixture itself.

### Further information

There are no data available on the mixture itself.

## 12. Ecological information

### Ecotoxicity

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

### Persistence and degradability

There are no data available on the mixture itself.

### Bioaccumulative potential

There are no data available on the mixture itself.

### Mobility in soil

There are no data available on the mixture itself.

### Results of PBT and vPvB assessment

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

### 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.

### Other adverse effects

There are no data available on the mixture itself.

### Further information

Discharge into the environment must be avoided.

## 13. Disposal considerations

### Waste treatment methods

#### 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

## 14. Transport information

### Land transport (ADR/RID)

#### UN number or ID number:

No dangerous good in sense of this transport regulation.

#### UN proper shipping name:

No dangerous good in sense of this transport regulation.

#### Transport hazard class(es):

No dangerous good in sense of this transport regulation.

#### Packing group:

No dangerous good in sense of this transport regulation.

### Inland waterways transport (ADN)

#### UN number or ID number:

No dangerous good in sense of this transport regulation.

#### UN proper shipping name:

No dangerous good in sense of this transport regulation.

#### Transport hazard class(es):

No dangerous good in sense of this transport regulation.

#### Packing group:

No dangerous good in sense of this transport regulation.

### Marine transport (IMDG)

#### UN number or ID number:

No dangerous good in sense of this transport regulation.

#### UN proper shipping name:

No dangerous good in sense of this transport regulation.

#### Transport hazard class(es):

No dangerous good in sense of this transport regulation.

#### Packing group:

No dangerous good in sense of this transport regulation.

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

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

**Special precautions for user**

No dangerous good in sense of this transport regulation.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

No dangerous good in sense of this transport regulation.

**15. Regulatory information**

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

**National regulatory information**

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

**Additional information**

No data available

**16. Other information**

**Other data**

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. Provide appropriate information, instructions and training to users.

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