

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Sulfur in B100 Bd Std, Blank Matrix (150-440-100)

Revision: 21.01.2026

Product code: AC18.06071

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## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Sulfur in B100 Bd Std, Blank Matrix (150-440-100)

### 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.  
Street: Québec, CANADA  
Place: 21800 Clark Graham Ave  
CDN-H9X 4B6 Baie-D'Urfé  
Telephone: +1 (800) 361-6820  
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)

Telefax: +1 (800) 253-5549

### 1.4. Emergency telephone number:

#### Further Information

No data available

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## 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

### 2.3. Other hazards

No data available

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Chemical characterization

Biodiesel

#### Relevant ingredients

| CAS No     | Chemical name                                 |          |                  | Quantity    |
|------------|-----------------------------------------------|----------|------------------|-------------|
|            | EC No                                         | Index No | REACH No         |             |
|            | Classification (Regulation (EC) No 1272/2008) |          |                  |             |
| 61788-61-2 | Fatty acids, tallow, methyl esters            |          |                  | 45 - < 50 % |
|            | 262-989-7                                     |          |                  |             |
| 68990-52-3 | Vegetable fatty acid methyl ester             |          |                  | 45 - < 50 % |
|            | 273-606-8                                     |          | 01-2119485821-32 |             |

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               |                                   |             |
| 68990-52-3 | 273-606-8                                              | Vegetable fatty acid methyl ester | 45 - < 50 % |
|            | dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 5000 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.

Call a doctor if you feel unwell.

#### After contact with skin

Wash immediately with: Water, Soap

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.

In case of eye irritation consult an ophthalmologist.

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#### After ingestion

- Rinse mouth.
- Do NOT induce vomiting.
- Observe risk of aspiration if vomiting occurs.
- Call a physician immediately.

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

No data available

#### 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

Full water jet

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

- Combustible liquids
- Hazardous combustion products
- In case of fire may be liberated:
- Carbon dioxide (CO<sub>2</sub>)
- Carbon monoxide
- Sulphur oxides
- In case of warming:
- Vapours are heavier than air, spread along floors and form explosive mixtures with air.

#### 5.3. Advice for firefighters

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

#### Additional information

- Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.
- Use water spray jet to protect personnel and to cool endangered containers.
- Move undamaged containers from immediate hazard area if it can be done safely.

### SECTION 6: Accidental release measures

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

##### General advice

- In case of warming:
- Vapours are heavier than air, spread along floors and form explosive mixtures with air.
- Take precautionary measures against static discharges.

##### 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 vapour/aerosol.

##### For emergency responders

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

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#### **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 vapour/aerosol.

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

## SECTION 7: Handling and storage

#### **7.1. Precautions for safe handling**

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

Handle and open container with care.

When using do not eat, drink, smoke, sniff.

Keep container tightly closed.

Use personal protection equipment.

Use extractor hood (laboratory).

Do not breathe vapour/aerosol.

Provide adequate ventilation.

##### **Advice on protection against fire and explosion**

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Take precautionary measures against static discharges.

In case of warming:

Vapours are heavier than air, spread along floors and form explosive mixtures with air.

##### **Advice on general occupational hygiene**

Keep away from food, drink and animal feedingstuffs.

The choice of body protection depends on the concentration and quantity of hazardous substances. The chemical resistance of protective agents must be clarified with their suppliers.

##### **Further information on handling**

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

Draw up and observe skin protection programme.

Wash hands and face before breaks and after work and take a shower if necessary.

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

##### **Requirements for storage rooms and vessels**

Keep container tightly closed.

##### **Hints on joint storage**

National regulations

##### **Further information on storage conditions**

Keep cool. Protect from sunlight.

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

Laboratory chemicals  
Only for laboratory and analysis purposes.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### DNEL/DMEL values

| CAS No                   | Substance                         |                |          |                        |
|--------------------------|-----------------------------------|----------------|----------|------------------------|
| DNEL type                |                                   | Exposure route | Effect   | Value                  |
| 68990-52-3               | Vegetable fatty acid methyl ester |                |          |                        |
| Worker DNEL, long-term   |                                   | inhalation     | systemic | 49,3 mg/m <sup>3</sup> |
| Worker DNEL, long-term   |                                   | dermal         | systemic | 14 mg/kg bw/day        |
| Consumer DNEL, long-term |                                   | inhalation     | systemic | 8,7 mg/m <sup>3</sup>  |
| Consumer DNEL, long-term |                                   | dermal         | systemic | 5 mg/kg bw/day         |
| Consumer DNEL, long-term |                                   | oral           | systemic | 5 mg/kg bw/day         |

##### PNEC values

| CAS No                                           | Substance                         |            |
|--------------------------------------------------|-----------------------------------|------------|
| Environmental compartment                        |                                   | Value      |
| 68990-52-3                                       | Vegetable fatty acid methyl ester |            |
| Freshwater                                       |                                   | 2,504 mg/l |
| Freshwater (intermittent releases)               |                                   | 25,04 mg/l |
| Marine water                                     |                                   | 0,25 mg/l  |
| Freshwater sediment                              |                                   | 10,4 mg/kg |
| Marine sediment                                  |                                   | 1,04 mg/kg |
| Micro-organisms in sewage treatment plants (STP) |                                   | 520 mg/l   |

#### Additional advice on limit values

Observe in addition any national regulations!

#### 8.2. Exposure controls

##### Appropriate engineering controls

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

If handled uncovered, arrangements with local exhaust ventilation have to be used.

##### Individual protection measures, such as personal protective equipment

##### Eye/face protection

goggles  
Face protection umbrella

##### 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.  
For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

##### Skin protection

Take off immediately all contaminated clothing and wash it before reuse.  
Wash hands and face before breaks and after work and take a shower if necessary.

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Draw up and observe skin protection programme.

#### Respiratory protection

Respiratory protection necessary at: aerosol or mist formation

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:                                                   | amber             |                   |
| Odour:                                                    | like: SULPHUR     |                   |
| 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:                                                  |                   | No data available |
| Relative density:                                         |                   | No data available |
| Bulk density:                                             |                   | No data available |
| Relative vapour density:                                  |                   | No data available |
| Particle characteristics:                                 |                   | No data available |

### 9.2. Other information

#### Information with regard to physical hazard classes

##### Explosive properties

In case of warming:

Vapours are heavier than air, spread along floors and form explosive mixtures with air.

Sustained combustibility: No data available

##### Self-ignition temperature

Solid: No data available

Gas: No data available

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Oxidizing properties  
No data available

#### Other safety characteristics

|                          |                   |
|--------------------------|-------------------|
| Evaporation rate:        | No data available |
| Solvent separation test: | No data available |
| Solvent content:         | No data available |
| 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

In case of warming:  
Vapours may form explosive mixtures with air.

#### 10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

#### 10.3. Possibility of hazardous reactions

Oxidising agent

#### 10.4. Conditions to avoid

Heat  
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

#### 10.5. Incompatible materials

No data available

#### 10.6. Hazardous decomposition products

in case of fire, see:  
SECTION 5: Firefighting measures

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

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| CAS No     | Chemical name                     |                   |         |                     |                          |
|------------|-----------------------------------|-------------------|---------|---------------------|--------------------------|
|            | Exposure route                    | Dose              | Species | Source              | Method                   |
| 68990-52-3 | Vegetable fatty acid methyl ester |                   |         |                     |                          |
|            | oral                              | LD50 > 5000 mg/kg | Rat     | Study report (1984) | other: AFNOR NF T 03-021 |
|            | dermal                            | LD50 > 2000 mg/kg | Rabbit  | Study report (1994) | EPA OPPTS 870.1200       |

#### 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.

#### 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

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 information

No data available

#### Further information

No data available

## SECTION 12: Ecological information

### 12.1. Toxicity

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



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| CAS No     | Chemical name                     |                      |           |                          |                            |               |
|------------|-----------------------------------|----------------------|-----------|--------------------------|----------------------------|---------------|
|            | Aquatic toxicity                  | Dose                 | [h]   [d] | Species                  | Source                     | Method        |
| 68990-52-3 | Vegetable fatty acid methyl ester |                      |           |                          |                            |               |
|            | Acute algae toxicity              | ErC50 ca. 73729 mg/l | 72 h      | Raphidocelis subcapitata | REACH Registration Dossier | EU Method C.3 |
|            | Acute crustacea toxicity          | EC50 ca. 2504 mg/l   | 48 h      | Daphnia magna            | REACH Registration Dossier | EU Method C.2 |

#### 12.2. Persistence and degradability

There are no data available on the mixture itself.

#### 12.3. Bioaccumulative potential

There are no data available on the mixture itself.

#### Partition coefficient n-octanol/water

| CAS No     | Chemical name                     | Log Pow |
|------------|-----------------------------------|---------|
| 68990-52-3 | Vegetable fatty acid methyl ester | > 6,2   |

#### BCF

| CAS No     | Chemical name                     | BCF   | Species        | Source              |
|------------|-----------------------------------|-------|----------------|---------------------|
| 68990-52-3 | Vegetable fatty acid methyl ester | ca. 3 | Mitylus edulis | Study report (1997) |

#### 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

Do not allow to enter into surface water or drains.

#### Further information

There are no data available on the mixture itself.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### Disposal recommendations

Send to a physico-chemical treatment facility under observation of official regulations.

Do not allow to enter into surface water or drains.

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

##### Contaminated packaging

Handle contaminated packages in the same way as the substance itself.

### SECTION 14: Transport information

#### Land transport (ADR/RID)

##### 14.1. UN number or ID number:

No dangerous good in sense of this transport regulation.

##### 14.2. UN proper shipping name:

No dangerous good in sense of this transport regulation.

##### 14.3. Transport hazard class(es):

No dangerous good in sense of this transport regulation.

##### 14.4. Packing group:

No dangerous good in sense of this transport regulation.

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#### 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. |

#### 14.6. 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

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

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

##### National regulatory information

### SECTION 16: Other information

#### Further Information

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.)*