

## Safety Data Sheet

according to WHMIS

### CONOSTAN Sulfur Standard in Residual oil, 0.75%

Revision: 23.10.2024

Product code: AC18.05899

Page 1 of 9

#### 1. Identification

##### Product identifier

CONOSTAN Sulfur Standard in Residual oil, 0.75%

##### 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).

##### 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  
 +1 703-741-5970 (CHEMTREC)

##### Emergency telephone number:

##### Further Information

No data available

**Safety Data Sheet**

according to WHMIS

**CONOSTAN Sulfur Standard in Residual oil, 0.75%**

Revision: 23.10.2024

Product code: AC18.05899

Page 2 of 9

**2. Hazard identification**

**Classification of the substance or mixture**

**WHMIS 2015**

Carcinogenicity: Carc. 1B

**Label elements**

**WHMIS 2015**

**Signal word:** Danger

**Pictograms:**



**Hazard statements**

May cause cancer.

**Precautionary statements**

- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.
- Wear protective gloves/protective clothing and eye protection/face protection.
- IF exposed or concerned: Get medical advice/attention.
- Store locked up.
- Dispose of contents/container to an appropriate recycling or disposal facility.

**Other hazards**

No data available

**3. Composition/information on ingredients**

**Mixtures**

**Relevant ingredients**

CAS No	Chemical name	Quantity
68476-33-5	Fuel oil, residual	30 - < 60 % (*)

(\*) The actual concentration is withheld as a trade secret.

**Further Information**

No data available

**4. First-aid measures**

**Description of first aid measures**

**General information**

Self-protection of the first aider

**After inhalation**

- Provide fresh air.
- If breathing is irregular or stopped, administer artificial respiration.
- Call a physician immediately.

**After contact with skin**

- Wash immediately with: Water, Soap
- Take off immediately all contaminated clothing and wash it before reuse.
- Call a physician immediately.

## Safety Data Sheet

according to WHMIS

### CONOSTAN Sulfur Standard in Residual oil, 0.75%

Revision: 23.10.2024

Product code: AC18.05899

Page 3 of 9

#### After contact with eyes

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

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

#### After ingestion

Rinse mouth thoroughly with water.

Observe risk of aspiration if vomiting occurs.

Call a physician immediately.

#### Most important symptoms and effects, whether acute or delayed

Gastrointestinal complaints

Pneumonia

Vapours may cause drowsiness and dizziness.

Dizziness

Depression of central nervous system

Headache

Repeated exposure may cause skin dryness or cracking.

Dermatitis

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

No data available

## 5. Fire-fighting measures

#### Extinguishing media

##### Suitable extinguishing media

Foam

Carbon dioxide (CO<sub>2</sub>)

Extinguishing powder

Water

##### Unsuitable extinguishing media

no restriction

#### Specific hazards arising from the hazardous product

Combustible liquids

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

Hazardous combustion products

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

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.

## 6. Accidental release measures

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

##### General advice

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

Keep away from sources of ignition - No smoking.

Take precautionary measures against static discharges.

##### For non-emergency personnel

Provide adequate ventilation.

Use personal protection equipment.

## Safety Data Sheet

according to WHMIS

### CONOSTAN Sulfur Standard in Residual oil, 0.75%

Revision: 23.10.2024

Product code: AC18.05899

Page 4 of 9

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

#### Environmental precautions

Do not allow to enter into surface water or drains.

#### 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.

#### Reference to other sections

Safe handling: see section 7  
 Personal protection equipment: see section 8  
 Disposal: see section 13

## 7. Handling and storage

#### Precautions for safe handling

##### Advice on safe handling

Use extractor hood (laboratory).  
 Read label before use. Handle and open container with care.  
 When using do not eat, drink, smoke, sniff. Keep container tightly closed.  
 Use personal protection equipment. Do not breathe vapour/aerosol.  
 Provide adequate ventilation. Avoid contact with skin, eyes and clothes.

##### 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.  
 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.

#### Conditions for safe storage, including any incompatibilities

##### Requirements for storage rooms and vessels

Store in a place accessible by authorized persons only.

## Safety Data Sheet

according to WHMIS

### CONOSTAN Sulfur Standard in Residual oil, 0.75%

Revision: 23.10.2024

Product code: AC18.05899

Page 5 of 9

Keep container tightly closed.

Protect against: Radiant heat.

#### Hints on joint storage

National regulations

#### Further information on storage conditions

Keep cool. Protect from sunlight.

Store in a well-ventilated place. Keep cool.

## 8. Exposure controls/Personal protection

### Control parameters

#### Additional advice on limit values

Observe in addition any national regulations!

### 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.

Draw up and observe skin protection programme.

In the immediate working surroundings there must be: Emergency shower installed

##### 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.

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

Physical state:	Liquid	
Colour:	dark brown / black	
Odour:	like: Hydrocarbons	
Odour threshold:	No data available	
Melting point/freezing point:		No data available

## Safety Data Sheet

according to WHMIS

### CONOSTAN Sulfur Standard in Residual oil, 0.75%

Revision: 23.10.2024

Product code: AC18.05899

Page 6 of 9

Boiling point or initial boiling point and boiling range:	177 (350 °F) °C
Flammability:	No data available
Lower explosive limits:	No data available
Upper explosive 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

#### **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

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

Viscosity / dynamic:

No data available

Flow time:

No data available

##### **Further Information**

No data available

## 10. Stability and reactivity

## Safety Data Sheet

according to WHMIS

### CONOSTAN Sulfur Standard in Residual oil, 0.75%

Revision: 23.10.2024

Product code: AC18.05899

Page 7 of 9

#### Reactivity

Vapours may form explosive mixtures with air.

#### Chemical stability

The product is stable under storage at normal ambient temperatures.

#### Possibility of hazardous reactions

Oxidising agent

#### Conditions to avoid

Heat, Radiant heat.

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

#### Incompatible materials

No data available

#### Hazardous decomposition products

in case of fire, see:

SECTION 5: Firefighting measures

#### Further information

No data available

## 11. Toxicological information

#### Information on toxicological effects

##### **Toxicokinetics, metabolism and distribution**

No data available

##### **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

##### **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.

slightly irritant but not relevant for classification.

##### **Sensitizing effects**

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

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

May cause cancer. (Fuel oil, residual)

Germ cell mutagenicity: 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**

No data available

##### **Specific effects in experiment on an animal**

No data available

## Safety Data Sheet

according to WHMIS

### CONOSTAN Sulfur Standard in Residual oil, 0.75%

Revision: 23.10.2024

Product code: AC18.05899

Page 8 of 9

#### Additional information on tests

No data available

#### Practical experience

No data available

#### 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

Gastrointestinal complaints

Pneumonia

Vapours may cause drowsiness and dizziness.

Dizziness

Depression of central nervous system

Headache

## 12. Ecological information

#### Persistence and degradability

No data available

#### Bioaccumulative potential

No data available

#### Mobility in soil

No data available

#### 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

Do not allow to enter into surface water or drains.

#### Further information

Avoid release to the environment.

## 13. Disposal considerations

#### 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.

## 14. Transport information

#### Canadian TDG

##### Proper shipping name:

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.

## Safety Data Sheet

according to WHMIS

### CONOSTAN Sulfur Standard in Residual oil, 0.75%

Revision: 23.10.2024

Product code: AC18.05899

Page 9 of 9

<b><u>United Nations proper shipping name:</u></b>	No dangerous good in sense of this transport regulation.
<b><u>Transport hazard class(es):</u></b>	No dangerous good in sense of this transport regulation.
<b><u>Packing group:</u></b>	No dangerous good in sense of this transport regulation.
<b>Air transport (ICAO-TI/IATA-DGR)</b>	
<b><u>UN number or ID number:</u></b>	No dangerous good in sense of this transport regulation.
<b><u>United Nations proper shipping name:</u></b>	No dangerous good in sense of this transport regulation.
<b><u>Transport hazard class(es):</u></b>	No dangerous good in sense of this transport regulation.
<b><u>Packing group:</u></b>	No dangerous good in sense of this transport regulation.

#### 15. Regulatory information

##### Canadian regulations

#### 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.)*