

## Safety Data Sheet

according to WHMIS

### CONOSTAN Single Element Standard, 4.00 % Sulfur in Crude Oil (40000 ppm)

Date (latest revision): 15.12.2025

Product code: AC18.06141

Page 1 of 10

#### 1. Identification

##### Product identifier

CONOSTAN Single Element Standard, 4.00 % Sulfur in Crude Oil (40000 ppm)

##### 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

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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.  
 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

**CONOSTAN Single Element Standard, 4.00 % Sulfur in Crude Oil (40000 ppm)**

Date (latest revision): 15.12.2025

Product code: AC18.06141

Page 2 of 10

**2. Hazard identification**

**Classification of the substance or mixture**

**WHMIS 2015**

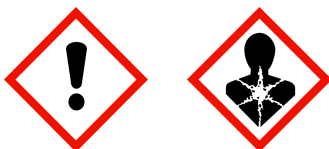
- Carcinogenicity: Category 1B
- Serious eye damage/eye irritation: Category 2A
- Specific target organ toxicity - repeated exposure: Category 2
- Aspiration hazard: Category 1

**Label elements**

**WHMIS 2015**

**Signal word:** Danger

**Pictograms:**



**Hazard statements**

- May be fatal if swallowed and enters airways.
- Causes serious eye irritation.
- May cause cancer.
- May cause damage to organs through prolonged or repeated exposure.

**Precautionary statements**

- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.
- Do not breathe mist/vapours/spray.
- Wash hands thoroughly after handling.
- Wear protective gloves/protective clothing and eye protection/face protection.
- IF SWALLOWED: Immediately call a POISON CENTER/doctor.
- Do NOT induce vomiting.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- If eye irritation persists: Get medical advice/attention.
- 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
8042-47-5	White mineral oil, petroleum	30 - < 60 % (*)
64742-47-8	"Distillates (petroleum), hydro-treated light; Kerosine - unspecified"	30 - < 60 % (*)
8002-05-9	"Petroleum; Crude oil"	7 - < 13 % (*)

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

**Further Information**

No data available

**Safety Data Sheet**

according to WHMIS

**CONOSTAN Single Element Standard, 4.00 % Sulfur in Crude Oil (40000 ppm)**

Date (latest revision): 15.12.2025

Product code: AC18.06141

Page 3 of 10

**4. First-aid measures**
**Description of first aid measures**
**General information**

First aider: Pay attention to self-protection!

**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.

In case of skin irritation, consult a physician.

**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.

**After ingestion**

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

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

Aspiration hazard

**5. Fire-fighting measures**
**Extinguishing media**
**Suitable extinguishing media**

Foam

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

Extinguishing powder

Water

**Unsuitable extinguishing media**

Full water jet

**Specific hazards arising from the hazardous product**

Combustible liquids

Hazardous combustion products

In case of fire may be liberated:

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

Carbon monoxide

In case of warming:

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

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

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

## Safety Data Sheet

according to WHMIS

### CONOSTAN Single Element Standard, 4.00 % Sulfur in Crude Oil (40000 ppm)

Date (latest revision): 15.12.2025

Product code: AC18.06141

Page 4 of 10

#### 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

- In case of warming:
- Vapours are heavier than air, spread along floors and form explosive mixtures with air.
- Take precautionary measures against static discharges.
- Keep away from sources of ignition - No smoking.

#### 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

### 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

- 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.

## Safety Data Sheet

according to WHMIS

### CONOSTAN Single Element Standard, 4.00 % Sulfur in Crude Oil (40000 ppm)

Date (latest revision): 15.12.2025

Product code: AC18.06141

Page 5 of 10

#### 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.

#### 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.

## 8. Exposure controls/Personal protection

#### Control parameters

#### Exposure limits (ACGIH)

CAS No	Chemical name	ppm	mg/m <sup>3</sup>	Category	Origin
-	Mineral oil, excluding metal working fluids (inhalable fraction); Pure, highly and severely refined		5	TWA (8 h)	ACGIH-2025

#### 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

Wear 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.

## Safety Data Sheet

according to WHMIS

### CONOSTAN Single Element Standard, 4.00 % Sulfur in Crude Oil (40000 ppm)

Date (latest revision): 15.12.2025

Product code: AC18.06141

Page 6 of 10

#### 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.

#### 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:	clear, amber	
Odour:	characteristic	
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 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

## Safety Data Sheet

according to WHMIS

### CONOSTAN Single Element Standard, 4.00 % Sulfur in Crude Oil (40000 ppm)

Date (latest revision): 15.12.2025

Product code: AC18.06141

Page 7 of 10

Solid:	No data available
Gas:	No data available
Oxidizing properties	
No data available	
<b>Other safety characteristics</b>	
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

## 10. Stability and reactivity

### Reactivity

In case of warming:  
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  
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

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**CONOSTAN Single Element Standard, 4.00 % Sulfur in Crude Oil (40000 ppm)**

Date (latest revision): 15.12.2025

Product code: AC18.06141

Page 8 of 10

CAS No	Chemical name				
	Route of exposure	Dose	Species	Source	Method
8042-47-5	White mineral oil, petroleum				
	oral	LD50 > 5000 mg/kg	Rat	Study report (1987)	OECD Guideline 401
	dermal	LD50 > 2000 mg/kg	Rabbit	Study report (1987)	OECD Guideline 402
64742-47-8	"Distillates (petroleum), hydro-treated light; Kerosine - unspecified"				
	oral	LD50 > 5000 mg/kg	Rat	Study report (1992)	EPA OTS 798.1175
	dermal	LD50 > 2000 mg/kg	Rabbit	Study report (1992)	EPA OTS 798.1100
	inhalation (4 h) vapour	LC50 > 5,28 mg/l	Rat	Study report (1987)	OECD Guideline 403

**Irritation and corrosivity**

Serious eye damage/eye irritation: Causes serious eye irritation.

Skin corrosion/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**

May cause cancer. ("Petroleum; Crude oil")

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**

May cause damage to organs through prolonged or repeated exposure. ("Petroleum; Crude oil")

**Aspiration hazard**

May be fatal if swallowed and enters airways.

**Information on likely routes of exposure**

No data available

**Specific effects in experiment on an animal**

No data available

**Additional information on tests**

No data available

**Practical experience**

No data available

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

This substance does not have endocrine disrupting properties with respect to non-target organisms.

**Other information**

No data available

**Further information**

Gastrointestinal complaints

Pneumonia

Vapours may cause drowsiness and dizziness.

Dizziness

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### CONOSTAN Single Element Standard, 4.00 % Sulfur in Crude Oil (40000 ppm)

Date (latest revision): 15.12.2025

Product code: AC18.06141

Page 9 of 10

Depression of central nervous system  
Headache

#### 12. Ecological information

##### Persistence and degradability

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.

###### United Nations proper shipping

No dangerous good in sense of this transport regulation.

###### name:

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

No dangerous good in sense of this transport regulation.

###### Packing group:

No dangerous good in sense of this transport regulation.

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

###### UN number or ID number:

No dangerous good in sense of this transport regulation.

###### United Nations proper shipping

No dangerous good in sense of this transport regulation.

###### name:

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

No dangerous good in sense of this transport regulation.

###### Packing group:

No dangerous good in sense of this transport regulation.

##### **Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No

#### 15. Regulatory information

##### **Canadian regulations**

#### 16. Other information

**Safety Data Sheet**

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**CONOSTAN Single Element Standard, 4.00 % Sulfur in Crude Oil (40000 ppm)**

Date (latest revision): 15.12.2025

Product code: AC18.06141

Page 10 of 10

**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

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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.)*