

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Sulfur in Crude Oil, 30000ppm

Revision:

Product code: AC18.06139

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

Sulfur in Crude Oil, 30000ppm

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.

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:
SECTION 2: Hazards identification
2.1. Classification of the substance or mixture

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Regulation (EC) No 1272/2008

Carc. 1B; H350
Asp. Tox. 1; H304

Full text of hazard statements: see SECTION 16.

2.2. Label elements

Regulation (EC) No 1272/2008

Hazard components for labelling

"Distillates (petroleum), hydro-treated light; Kerosine - unspecified"
Petroleum

Signal word: Danger

Pictograms:



Hazard statements

H304 May be fatal if swallowed and enters airways.
H350 May cause cancer.

Precautionary statements

P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P331 Do NOT induce vomiting.
P308+P313 IF exposed or concerned: Get medical advice/attention.

Special labelling

Restricted to professional users.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Relevant ingredients

| CAS No | Chemical name | | | Quantity |
|------------|------------------------------------------------------------------------|--------------|----------|-------------|
| | EC No | Index No | REACH No | |
| | Classification (Regulation (EC) No 1272/2008) | | | |
| 64742-47-8 | "Distillates (petroleum), hydro-treated light; Kerosine - unspecified" | | | 45 - < 50 % |
| | 265-149-8 | 649-422-00-2 | | |
| | Asp. Tox. 1; H304 | | | |
| 8002-05-9 | Petroleum | | | 10 - < 15 % |
| | 232-298-5 | 649-049-00-5 | | |
| | Flam. Liq. 3, Carc. 1B, Asp. Tox. 1; H226 H350 H304 | | | |

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

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Specific Conc. Limits, M-factors and ATE

| CAS No | EC No | Chemical name | Quantity |
|------------|-----------|--------------------------------------------------------------------------------------------------|-------------|
| | | Specific Conc. Limits, M-factors and ATE | |
| 64742-47-8 | 265-149-8 | "Distillates (petroleum), hydro-treated light; Kerosine - unspecified" | 45 - < 50 % |
| | | inhalation: LC50 = > 5,28 mg/l (vapours); dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 5000 mg/kg | |

SECTION 4: First aid measures
4.1. Description of first aid measures
SECTION 5: Firefighting measures
5.1. Extinguishing media
SECTION 6: Accidental release measures
SECTION 7: Handling and storage
7.1. Precautions for safe handling
7.2. Conditions for safe storage, including any incompatibilities
SECTION 8: Exposure controls/personal protection
8.1. Control parameters
8.2. Exposure controls
SECTION 9: Physical and chemical properties
9.1. Information on basic physical and chemical properties

| | |
|-----------------|--------------|
| Physical state: | Liquid |
| Colour: | clear |
| Odour: | Hydrocarbons |

SECTION 10: Stability and reactivity
SECTION 11: Toxicological information
11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008
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 |
| 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

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

May cause cancer. (Petroleum)

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

May be fatal if swallowed and enters airways.

SECTION 12: Ecological information
12.1. Toxicity

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

| CAS No | Chemical name | | | | | |
|------------|------------------------------------------------------------------------|-----------------|-----------|--------------------------|---------------------|--------------------|
| | Aquatic toxicity | Dose | [h] [d] | Species | Source | Method |
| 64742-47-8 | "Distillates (petroleum), hydro-treated light; Kerosine - unspecified" | | | | | |
| | Acute fish toxicity | LL50 2 - 5 mg/l | 96 h | Oncorhynchus mykiss | Study report (1994) | OECD Guideline 203 |
| | Acute algae toxicity | ErC50 8,3 mg/l | 72 h | Raphidocelis subcapitata | Study report (1995) | OECD Guideline 201 |
| | Acute crustacea toxicity | EL50 1,4 mg/l | 48 h | Daphnia magna | Study report (1995) | OECD Guideline 202 |

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.

SECTION 13: Disposal considerations
13.1. Waste treatment methods

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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. |

Inland waterways transport (ADN)

| | |
|------------------------------------------|----------------------------------------------------------|
| 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. |

Marine transport (IMDG)

| | |
|------------------------------------------|----------------------------------------------------------|
| 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. |

Air transport (ICAO-TI/IATA-DGR)

| | |
|------------------------------------------|----------------------------------------------------------|
| 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. |

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 3, Entry 28, Entry 40, Entry 75

National regulatory information

Water hazard class (D): 3 - highly hazardous to water

SECTION 16: Other information
Abbreviations and acronyms

 Flam. Liq. 3: Flammable liquids, hazard category 3
 Asp. Tox. 1: Aspiration hazard, hazard category 1
 Carc. 1B: Carcinogenicity, hazard category 1B

Classification for mixtures and used evaluation method according to Regulation (EC) No 1272/2008 [CLP]

| Classification | Classification procedure |
|-------------------|--------------------------|
| Carc. 1B; H350 | Calculation method |
| Asp. Tox. 1; H304 | Calculation method |

Relevant H and EUH statements (number and full text)

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| | |
|------|-----------------------------------------------|
| H226 | Flammable liquid and vapour. |
| H304 | May be fatal if swallowed and enters airways. |
| H350 | May cause cancer. |

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