



# Eurol Grease CS-2/102 FD

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878  
Issue date: 24.04.2015 Revision date: 14.12.2023 Supersedes: 01.03.2021 Version: 2.0

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

#### 1.1. Product identifier

Product form : Mixture  
Product name : Eurol Grease CS-2/102 FD  
Product code : S005118  
Product group : Trade product

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### 1.2.1. Relevant identified uses

Main use category : Industrial use, professional use  
Use of the substance/mixture : Lubricant  
Function or use category : Lubricants and additives

##### 1.2.2. Uses advised against

No additional information available

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

Eurol B.V.  
Energiesstraat 12  
NL-7442 DA Nijverdal  
The Netherlands  
Tel: +31 548 615 165  
[reach@eurol.com](mailto:reach@eurol.com) - [www.eurol.com](http://www.eurol.com)

#### 1.4. Emergency telephone number

Emergency number : For Transport Emergency Call +31 6 26 71 27 43 (24hr/day 7days/week)

| Country        | Organisation/Company   | Address                                       | Emergency number   | Comment                              |
|----------------|--|---|--|--------------------------------------|
| Ireland        | National Poisons Information Centre<br>Beaumont Hospital                     | PO Box 1297<br>Beaumont Road<br>9 Dublin      | +353 1 809 2566<br>(Healthcare professionals-<br>24/7)<br>+353 1 809 2166 (public,<br>8am - 10pm, 7/7) |                                      |
| Malta          | Medicines & Poisons Info Office  | Mater Dei Hospital<br>Msida<br>MSD 2090 Msida | +356 2545 6508   |                                      |
| United Kingdom | National Poisons Information Service<br>(Birmingham Centre)<br>City Hospital | Dudley Road<br>B18 7QH                        | 0344 892 0111  | Only for healthcare<br>professionals |
| United Kingdom | NHS 111/NHS 24/NHS Direct  |   | 111<br>0845 4647   | or call a doctor                     |

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

##### Adverse physicochemical, human health and environmental effects

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

# Eurol Grease CS-2/102 FD

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### 2.2. Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

EUH-statements : EUH208 - Contains Sulfonic acids, petroleum, calcium salts, Benzenesulfonic acid, mono-C16-24-alkyl derivs, calcium salts, petroleum, mono-C10-16 saturated linear alkaryl derivatised benzenesulphonic acid calcium salts . May produce an allergic reaction.  
EUH210 - Safety data sheet available on request.

### 2.3. Other hazards

Other hazards not contributing to the classification : This product floats on water and may affect the oxygen-balance in the water. The base oil contains less than 3% DMSO-extract measured according IP 346, therefore it is NOT classified as H350: May cause cancer" (Note L).".

Contains no PBT and/or vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name  | Product identifier   | %      | Classification according to Regulation (EC) No. 1272/2008 [CLP]    |
|---|--|--------|--|
| Sulfonic acids, petroleum, calcium salts  | CAS-No.: 61789-86-4<br>EC-No.: 263-093-9<br>REACH-no: 01-2119488992-18 | 5 – 10 | Skin Sens. 1, H317   |
| Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts                                  | CAS-No.: 70024-69-0<br>EC-No.: 274-263-7<br>REACH-no: 01-2119492616-28 | 5 – 10 | Skin Sens. 1B, H317  |
| petroleum, mono-C10-16 saturated linear alkaryl derivatised benzenesulphonic acid calcium salts | CAS-No.: 68584-23-6<br>EC-No.: 271-529-4<br>REACH-no: 01-2119492627-25 | 5 – 10 | Skin Sens. 1B, H317  |
| Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene                           | CAS-No.: 68411-46-1<br>EC-No.: 270-128-1<br>REACH-no: 01-2119491299-23 | 1 – 3  | Repr. 2, H361f   |
| Calcium dodecylbenzenesulphonate  | CAS-No.: 26264-06-2<br>EC-No.: 247-557-8<br>REACH-no: 01-2119560592-37 | 1 – 3  | Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>Aquatic Chronic 3, H412 |

# EuroI Grease CS-2/102 FD

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| Specific concentration limits:  |  |  |
|---|--|--|
| Name  | Product identifier   | Specific concentration limits (%)                                      |
| Sulfonic acids, petroleum, calcium salts  | CAS-No.: 61789-86-4<br>EC-No.: 263-093-9<br>REACH-no: 01-2119488992-18 | (10 ≤ C < 100) Skin Sens. 1, H317                                      |
| Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts                                  | CAS-No.: 70024-69-0<br>EC-No.: 274-263-7<br>REACH-no: 01-2119492616-28 | (10 ≤ C < 100) Skin Sens. 1B, H317                                     |
| petroleum, mono-C10-16 saturated linear alkaryl derivatised benzenesulphonic acid calcium salts | CAS-No.: 68584-23-6<br>EC-No.: 271-529-4<br>REACH-no: 01-2119492627-25 | (10 ≤ C < 100) Skin Sens. 1B, H317                                     |
| Calcium dodecylbenzenesulphonate  | CAS-No.: 26264-06-2<br>EC-No.: 247-557-8<br>REACH-no: 01-2119560592-37 | (3 ≤ C < 10,5) Eye Irrit. 2, H319<br>(10,5 < C ≤ 100) Eye Dam. 1, H318 |

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

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|                                       |  |
|---------------------------------------|--|
| First-aid measures general            | : Seek medical attention if ill effect develops.                 |
| First-aid measures after inhalation   | : Remove person to fresh air and keep comfortable for breathing. |
| First-aid measures after skin contact | : Wash skin with plenty of water.                                |
| First-aid measures after eye contact  | : Rinse eyes with water as a precaution.                         |
| First-aid measures after ingestion    | : Call a poison center or a doctor if you feel unwell.           |

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

|  |  |
|--|--|
| Symptoms/effects after inhalation                | : At normal ambient temperatures this product will be unlikely to present an inhalation hazard because of its low volatility. May be harmful by inhalation if exposure to vapour, mists or fumes resulting from thermal decomposition products occurs. |
| Symptoms/effects after skin contact              | : Unlikely to cause harm to the skin on brief or occasional contact but prolonged or repeated exposure may lead to dermatitis. High pressure injection of product into the skin may lead to local necrosis if the product is not surgically removed.   |
| Symptoms/effects after eye contact               | : Unlikely to cause more than transient stinging or redness if accidental eye contact occurs.  |
| Symptoms/effects after ingestion                 | : Bad taste. Unlikely to cause harm if accidentally swallowed in small doses, though larger quantities may cause nausea and diarrhoea.   |
| Symptoms/effects upon intravenous administration | : Unknown.   |

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

|                                |  |
|--------------------------------|--|
| Suitable extinguishing media   | : Water spray. Dry powder. Foam. Carbon dioxide.                                 |
| Unsuitable extinguishing media | : Do not use a heavy water stream. Use of heavy stream of water may spread fire. |

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

|  |   |
|--|---|
| Fire hazard                                      | : Combustion generates: CO, CO <sub>2</sub> , PO <sub>x</sub> , NO <sub>x</sub> , SO <sub>x</sub> , H <sub>2</sub> S. Metal oxides. |
| Explosion hazard                                 | : Not expected to be a fire/explosion hazard under normal conditions of use.  |
| Hazardous decomposition products in case of fire | : Toxic fumes may be released.  |

# Eurol Grease CS-2/102 FD

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### 5.3. Advice for firefighters

|                                |   |
|--------------------------------|---|
| Precautionary measures fire    | : Do not enter fire area without proper protective equipment, including respiratory protection.   |
| Firefighting instructions      | : Use water spray or fog for cooling exposed containers.  |
| Protection during firefighting | : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.                                    |
| Other information              | : Prevent fire fighting water from entering the environment. Sweep up and remove to a suitable, clearly marked container for disposal in accordance with local regulations. |

## SECTION 6: Accidental release measures

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

|                  |  |
|------------------|--|
| General measures | : Spill area may be slippery. Prevent soil and water pollution. Prevent entry to sewers and public waters. |
|------------------|--|

#### 6.1.1. For non-emergency personnel

|                      |  |
|----------------------|--|
| Protective equipment | : When the risk of skin exposure is high (e.g. when cleaning up spillages or if there is a risk of splashing) then chemical resistant aprons and/or impervious chemical suits and boots will be required. Use protective clothing. |
| Emergency procedures | : Ventilate spillage area.   |

#### 6.1.2. For emergency responders

|                      |   |
|----------------------|---|
| Protective equipment | : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". |
| Emergency procedures | : No specific measures are necessary.   |

### 6.2. Environmental precautions

Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

|                         |   |
|-------------------------|---|
| For containment         | : Collect spillage.   |
| Methods for cleaning up | : Take up liquid spill into absorbent material.                 |
| Other information       | : Dispose of materials or solid residues at an authorized site. |

### 6.4. Reference to other sections

For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

|                                   |   |
|-----------------------------------|---|
| Additional hazards when processed | : Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death. Empty containers should be completely drained, properly closed, and promptly returned to a drum reconditioner or disposed of properly. |
| Precautions for safe handling     | : Ensure good ventilation of the work station. Wear personal protective equipment.  |
| Hygiene measures                  | : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.   |

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

|                              |   |
|------------------------------|---|
| Technical measures           | : Keep container tightly closed and in well ventilated place. |
| Storage conditions           | : Store in a well-ventilated place. Keep cool.                |
| Incompatible products        | : Reacts vigorously with strong oxidizers and acids.          |
| Maximum storage period       | : 5 year  |
| Storage temperature          | : ≤ 40 °C   |
| Information on mixed storage | : Keep away from : Oxidizing materials. Strong acids.         |
| Storage area                 | : Store at ambient temperature.                               |
| Special rules on packaging   | : Keep container tightly closed and dry.                      |

# Eurol Grease CS-2/102 FD

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

No additional information available

#### 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

Exposure-value for oil mist : 10 mg/m<sup>3</sup> (15 min.) or 5 mg/m<sup>3</sup> (8 hours).

#### 8.1.5. Control banding

No additional information available

### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

**Appropriate engineering controls:**

Ensure good ventilation of the work station.

#### 8.2.2. Personal protection equipment

**Personal protective equipment:**

Gloves. In case of splash hazard: safety glasses. Eye protection should only be necessary where liquid could be splashed or sprayed.

**Personal protective equipment symbol(s):**



##### 8.2.2.1. Eye and face protection

**Eye protection:**

Safety glasses

##### 8.2.2.2. Skin protection

**Skin and body protection:**

Wear suitable protective clothing

**Hand protection:**

Protective gloves

**Other skin protection**

**Materials for protective clothing:**

PVC gloves. Neoprene or nitrile rubber gloves

##### 8.2.2.3. Respiratory protection

**Respiratory protection:**

In case of insufficient ventilation, wear suitable respiratory equipment.

##### 8.2.2.4. Thermal hazards

No additional information available

# Euroil Grease CS-2/102 FD

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### 8.2.3. Environmental exposure controls

#### Environmental exposure controls:

Avoid release to the environment.

#### Consumer exposure controls:

PVC gloves. Neoprene or nitrile rubber gloves.

#### Other information:

Do not put the product-soaked rags into the pockets of working clothes. Do not use cloths stained with the product to dry hands. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not eat, drink or smoke during use. Wash contaminated clothing before reuse.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|                                 |                       |
|---------------------------------|-----------------------|
| Physical state                  | : Liquid              |
| Colour                          | : light brown.        |
| Appearance                      | : Paste.              |
| Odour                           | : characteristic.     |
| Odour threshold                 | : Not available       |
| Melting point                   | : Not applicable      |
| Freezing point                  | : Not available       |
| Boiling point                   | : > 280 °C            |
| Flammability (solid, gas)       | : Non flammable.      |
| Lower explosive limit (LEL)     | : 0,6 vol %           |
| Upper explosive limit (UEL)     | : 7 vol %             |
| Flash point                     | : > 180 °C            |
| Auto-ignition temperature       | : > 240 °C            |
| Decomposition temperature       | : Not available       |
| pH                              | : Not available       |
| Viscosity, kinematic            | : Not available       |
| Solubility                      | : insoluble in water. |
| Log Kow                         | : Not available       |
| Log Pow                         | : > 3                 |
| Vapour Pressure 20°C            | : < 0,1 hPa           |
| Vapour pressure at 50°C         | : Not available       |
| Density                         | : 0,95 – 1,05 kg/l    |
| Relative density                | : Not available       |
| Relative vapour density at 20°C | : > 1 (air=1)         |
| Particle characteristics        | : Not applicable      |

### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

Explosion limits : 0,6 – 7 vol %

#### 9.2.2. Other safety characteristics

Relative evaporation rate (butylacetate=1) : < 0,1  
VOC content : 0 %  
Other properties : Gas/vapour heavier than air at 20°C

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Stable under normal conditions of use.

### 10.2. Chemical stability

Stable under normal conditions.

# Eurol Grease CS-2/102 FD

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### 10.3. Possibility of hazardous reactions

Refer to section 10.1 on Reactivity.

### 10.4. Conditions to avoid

Moisture. Overheating.

### 10.5. Incompatible materials

Strong oxidizing agents. Strong acids.

### 10.6. Hazardous decomposition products

CO, CO<sub>2</sub>, PO<sub>x</sub>, NO<sub>x</sub>, SO<sub>x</sub>, H<sub>2</sub>S. Metal oxides.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral) : Not classified  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Not classified

#### Sulfonic acids, petroleum, calcium salts (61789-86-4)

|                       |   |
|-----------------------|---|
| LD50 oral rat         | > 16000 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: other:   |
| LD50 dermal rabbit    | > 4000 mg/kg bodyweight Animal: rabbit, Guideline: other:                   |
| LD50 dermal           | > 4000 mg/kg  |
| LC50 Inhalation - Rat | > 1,9 mg/l Animal: rat, Guideline: EPA OPP 81-3 (Acute inhalation toxicity) |

#### Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts (70024-69-0)

|                       |   |
|-----------------------|---|
| LD50 oral rat         | > 16000 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: other:   |
| LD50 dermal rabbit    | > 4000 mg/kg bodyweight Animal: rabbit, Guideline: other:                   |
| LC50 Inhalation - Rat | > 1,9 mg/l Animal: rat, Guideline: EPA OPP 81-3 (Acute inhalation toxicity) |

#### Calcium dodecylbenzenesulphonate (26264-06-2)

|                    |   |
|--------------------|---|
| LD50 oral rat      | 4445 mg/kg Animal: rat, Guideline: other: |
| LD50 dermal rabbit | > 4199 mg/kg                              |

#### petroleum, mono-C10-16 saturated linear alkaryl derivatised benzenesulphonic acid calcium salts (68584-23-6)

|                       |   |
|-----------------------|---|
| LD50 oral rat         | > 16000 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: other:, Remarks on results: other:       |
| LD50 dermal rabbit    | > 4000 mg/kg bodyweight Animal: rabbit, Guideline: other:, Remarks on results: other:                       |
| LD50 dermal           | > 5000 mg/kg  |
| LC50 Inhalation - Rat | > 1,9 mg/l air Animal: rat, Guideline: EPA OPP 81-3 (Acute inhalation toxicity), Remarks on results: other: |

#### Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene (68411-46-1)

|                 |  |
|-----------------|--|
| LD50 oral rat   | > 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), Remarks on results: other:   |
| LD50 dermal rat | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Remarks on results: other: |

Skin corrosion/irritation : Not classified  
Serious eye damage/irritation : Not classified  
Respiratory or skin sensitisation : Not classified  
Germ cell mutagenicity : Not classified

# Eurol Grease CS-2/102 FD

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

|                        |                  |
|------------------------|------------------|
| Carcinogenicity        | : Not classified |
| Reproductive toxicity  | : Not classified |
| STOT-single exposure   | : Not classified |
| STOT-repeated exposure | : Not classified |

### Sulfonic acids, petroleum, calcium salts (61789-86-4)

|                                     |  |
|-------------------------------------|--|
| NOAEL (oral, rat, 90 days)          | 1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity Study in Rodents) |
| NOAEL (dermal, rat/rabbit, 90 days) | > 1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study)    |

### Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts (70024-69-0)

|                                     |   |
|-------------------------------------|---|
| NOAEL (oral, rat, 90 days)          | 500 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity Study in Rodents) |
| NOAEL (dermal, rat/rabbit, 90 days) | > 1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study)   |

### petroleum, mono-C10-16 saturated linear alkaryl derivatised benzenesulphonic acid calcium salts (68584-23-6)

|                                     |   |
|-------------------------------------|---|
| NOAEL (oral, rat, 90 days)          | 500 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity Study in Rodents) |
| NOAEL (dermal, rat/rabbit, 90 days) | > 1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study)   |

### Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene (68411-46-1)

|                            |  |
|----------------------------|--|
| NOAEL (oral, rat, 90 days) | 25 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test) |
|----------------------------|--|

Aspiration hazard : Not classified

### Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts (70024-69-0)

|                      |                        |
|----------------------|------------------------|
| Viscosity, kinematic | 130 mm <sup>2</sup> /s |
|----------------------|------------------------|

### Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene (68411-46-1)

|                      |   |
|----------------------|---|
| Viscosity, kinematic | 352,7 mm <sup>2</sup> /s Temp.: '40°C' Parameter: 'kinematic viscosity (in mm <sup>2</sup> /s)' |
|----------------------|---|

## 11.2. Information on other hazards

### 11.2.1. Endocrine disrupting properties

No additional information available

### 11.2.2. Other information

Other information : Toxicological data have not been determined specifically for this product. Information given is based on a knowledge of the components and the toxicology of similar products, Likely route of exposure: ingestion, skin and eye.

## SECTION 12: Ecological information

### 12.1. Toxicity

|   |  |
|---|--|
| Ecology - general   | : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.                                    |
| Ecology - water   | : This product floats on water and may affect the oxygen-balance in the water. If it enters soil, it will adsorb to soil particles and will not be mobile. |
| Hazardous to the aquatic environment, short-term (acute)  | : Not classified   |
| Hazardous to the aquatic environment, long-term (chronic) | : Not classified   |



# Eurol Grease CS-2/102 FD

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| <b>Sulfonic acids, petroleum, calcium salts (61789-86-4)</b> |   |
|--|---|
| LC50 fish 1  | > 10000 mg/l (OECD 203 method)  |
| EC50 Daphnia 1   | > 1000 mg/l Test organisms (species): Daphnia magna   |
| EC50 72h - Algae [1]   | > 1000 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum) |
| EC50 96h - Algae [1]   | > 1000 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum) |

| <b>Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts (70024-69-0)</b> |   |
|--|---|
| EC50 Daphnia 1   | > 1000 mg/l Test organisms (species): Daphnia magna   |
| EC50 72h - Algae [1]   | > 1000 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum) |
| EC50 96h - Algae [1]   | > 1000 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum) |

| <b>Calcium dodecylbenzenesulphonate (26264-06-2)</b> |  |
|--|--|
| LC50 fish 1  | 1,74 mg/l Test organisms (species): other:                   |
| EC50 Daphnia 1                                       | ≈ 2,5 mg/l Daphnia magna                                     |
| EC50 96h - Algae [1]                                 | 2736 mg/l Test organisms (species): other:                   |
| NOEC (chronic)                                       | 0,253 mg/l Test organisms (species): other: Duration: '30 d' |
| NOEC chronic fish                                    | 0,23 mg/l Test organisms (species): other: Duration: '30 d'  |

| <b>petroleum, mono-C10-16 saturated linear alkaryl derivatised benzenesulphonic acid calcium salts (68584-23-6)</b> |   |
|---|---|
| EC50 72h - Algae [1]  | > 1000 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) |
| EC50 96h - Algae [1]  | > 1000 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) |

| <b>Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene (68411-46-1)</b> |   |
|---|---|
| LC50 fish 1   | > 100 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)                   |
| EC50 Daphnia 1  | 51 mg/l Test organisms (species): Daphnia magna   |
| EC50 72h - Algae [1]  | > 100 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) |
| ErC50 (algae)   | > 100 mg/l 72h  |

### 12.2. Persistence and degradability

| <b>Eurol Grease CS-2/102 FD</b> |                            |
|---------------------------------|----------------------------|
| Persistence and degradability   | Not readily biodegradable. |

### 12.3. Bioaccumulative potential

| <b>Eurol Grease CS-2/102 FD</b> |   |
|---------------------------------|---|
| Log Pow                         | > 3   |
| Bioaccumulative potential       | This product is not expected to bioaccumulate through food chains in the environment. |

| <b>Calcium dodecylbenzenesulphonate (26264-06-2)</b> |     |
|--|-----|
| Bioconcentration factor (BCF REACH)                  | 104 |

# EuroI Grease CS-2/102 FD

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene (68411-46-1)

|                                     |      |
|-------------------------------------|------|
| Bioconcentration factor (BCF REACH) | 1730 |
| Log Pow                             | 5,1  |

### 12.4. Mobility in soil

#### EuroI Grease CS-2/102 FD

|                |  |
|----------------|--|
| Ecology - soil | Not miscible with water. Spillages may penetrate the soil causing ground water contamination. This product floats on water and may affect the oxygen-balance in the water. If it enters soil, it will adsorb to soil particles and will not be mobile. |
|----------------|--|

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Endocrine disrupting properties

No additional information available

### 12.7. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

|  |   |
|--|---|
| Regional waste regulation                  | : Disposal must be done according to official regulations.  |
| Product/Packaging disposal recommendations | : Dispose of contents/container in accordance with licensed collector's sorting instructions.   |
| Waste disposal recommendations             | : Dispose in a safe manner in accordance with local/national regulations. Do not discharge into drains or the environment.  |
| Additional information                     | : Hazardous waste.  |
| Ecology - waste materials                  | : Every mixture with foreign substances such as solvents, brake- and cooling liquids is forbidden. Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death. Empty containers should be completely drained, properly closed, and promptly returned to a drum reconditioner or disposed of properly. When not empty dispose of this container at hazardous or special waste collection point. |
| European List of Waste (LoW, EC 2000/532)  | : 12 01 12* - spent waxes and fats  |

## SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

| ADR                                     | IMDG           | IATA           | ADN            | RID            |
|---|----------------|----------------|----------------|----------------|
| <b>14.1. UN number or ID number</b>     |                |                |                |                |
| Not regulated for transport             |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| <b>14.2. UN proper shipping name</b>    |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| <b>14.3. Transport hazard class(es)</b> |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| <b>14.4. Packing group</b>              |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |

# Eurol Grease CS-2/102 FD

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| ADR                                    | IMDG  | IATA                              | ADN                               | RID                               |
|--|---|-----------------------------------|-----------------------------------|-----------------------------------|
| <b>14.5. Environmental hazards</b>     |   |                                   |                                   |                                   |
| Dangerous for the environment: No      | Dangerous for the environment: No<br>Marine pollutant: No | Dangerous for the environment: No | Dangerous for the environment: No | Dangerous for the environment: No |
| No supplementary information available |   |                                   |                                   |                                   |

### 14.6. Special precautions for user

#### Overland transport

No data available

#### Transport by sea

No data available

#### Air transport

No data available

#### Inland waterway transport

No data available

#### Rail transport

No data available

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### 15.1.1. EU-Regulations

##### REACH Annex XVII (Restriction List)

| EU restriction list (REACH Annex XVII) |   |
|--|---|
| Reference code                         | Applicable on   |
| 3(b)                                   | Sulfonic acids, petroleum, calcium salts ; Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts ; petroleum, mono-C10-16 saturated linear alkaryl derivatised benzenesulphonic acid calcium salts ; Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene |

##### REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

##### REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

##### PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

##### POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

##### Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

##### VOC Directive (2004/42)

VOC content : 0 %

# Eurol Grease CS-2/102 FD

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

### Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

### 15.1.2. National regulations

No additional information available

## 15.2. Chemical safety assessment

A chemical safety assessment has been carried out

## SECTION 16: Other information

| Indication of changes |  |          |          |
|-----------------------|--|----------|----------|
| Section               | Changed item   | Change   | Comments |
|                       | Supersedes   | Modified |          |
|                       | Revision date  | Modified |          |
|                       | Flammability (solid, gas)  | Added    |          |
| 2.1                   | Classification according to Regulation (EC) No. 1272/2008 [CLP]            | Removed  |          |
| 2.1                   | Adverse physicochemical, human health and environmental effects            | Added    |          |
| 2.1                   | Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD] | Removed  |          |
| 2.2                   | EUH-statements   | Modified |          |
| 2.3                   | Other hazards not contributing to the classification                       | Modified |          |
| 4.1                   | First-aid measures after skin contact                                      | Modified |          |
| 4.1                   | First-aid measures after inhalation  | Modified |          |
| 4.1                   | First-aid measures after ingestion   | Modified |          |
| 4.1                   | First-aid measures after eye contact                                       | Modified |          |
| 5.1                   | Suitable extinguishing media   | Modified |          |
| 5.2                   | Hazardous decomposition products in case of fire                           | Added    |          |
| 5.3                   | Protection during firefighting   | Modified |          |
| 6.1                   | Protective equipment   | Modified |          |
| 6.1                   | Emergency procedures   | Modified |          |
| 6.2                   | Environmental precautions  | Modified |          |
| 6.3                   | Methods for cleaning up  | Modified |          |
| 6.3                   | Other information  | Modified |          |
| 6.3                   | For containment  | Modified |          |
| 7.1                   | Precautions for safe handling  | Modified |          |
| 7.1                   | Hygiene measures   | Modified |          |
| 7.2                   | Storage conditions   | Modified |          |

# Euroil Grease CS-2/102 FD

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| Indication of changes |  |          |          |
|-----------------------|--|----------|----------|
| Section               | Changed item                               | Change   | Comments |
| 8.2                   | Environmental exposure controls            | Modified |          |
| 8.2                   | Respiratory protection                     | Modified |          |
| 8.2                   | Hand protection                            | Modified |          |
| 8.2                   | Eye protection                             | Modified |          |
| 8.2                   | Appropriate engineering controls           | Modified |          |
| 8.2                   | Skin and body protection                   | Modified |          |
| 9.1                   | Flash point                                | Added    |          |
| 9.1                   | Melting point                              | Added    |          |
| 9.1                   | Upper explosive limit (UEL)                | Added    |          |
| 9.1                   | Lower explosive limit (LEL)                | Added    |          |
| 12.1                  | Ecology - general                          | Modified |          |
| 13.1                  | Product/Packaging disposal recommendations | Added    |          |
| 15.2                  | Chemical safety assessment                 | Added    |          |
| 16                    | Abbreviations and acronyms                 | Added    |          |
| 16                    | Data sources                               | Added    |          |
| 16                    | Other information                          | Added    |          |

| Abbreviations and acronyms: |   |
|-----------------------------|---|
| ADN                         | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR                         | European Agreement concerning the International Carriage of Dangerous Goods by Road             |
| ATE                         | Acute Toxicity Estimate   |
| BCF                         | Bioconcentration factor   |
| BLV                         | Biological limit value  |
| BOD                         | Biochemical oxygen demand (BOD)   |
| COD                         | Chemical oxygen demand (COD)  |
| DMEL                        | Derived Minimal Effect level  |
| DNEL                        | Derived-No Effect Level   |
| EC-No.                      | European Community number   |
| EC50                        | Median effective concentration  |
| EN                          | European Standard   |
| IARC                        | International Agency for Research on Cancer   |
| IATA                        | International Air Transport Association   |
| IMDG                        | International Maritime Dangerous Goods  |
| LC50                        | Median lethal concentration   |
| LD50                        | Median lethal dose  |
| LOAEL                       | Lowest Observed Adverse Effect Level  |
| NOAEC                       | No-Observed Adverse Effect Concentration  |

# Eurol Grease CS-2/102 FD

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| Abbreviations and acronyms: |  |
|-----------------------------|--|
| NOAEL                       | No-Observed Adverse Effect Level   |
| NOEC                        | No-Observed Effect Concentration   |
| OECD                        | Organisation for Economic Co-operation and Development                       |
| OEL                         | Occupational Exposure Limit  |
| PBT                         | Persistent Bioaccumulative Toxic   |
| PNEC                        | Predicted No-Effect Concentration  |
| RID                         | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| SDS                         | Safety Data Sheet  |
| STP                         | Sewage treatment plant   |
| ThOD                        | Theoretical oxygen demand (ThOD)   |
| TLM                         | Median Tolerance Limit   |
| VOC                         | Volatile Organic Compounds   |
| CAS-No.                     | Chemical Abstract Service number   |
| N.O.S.                      | Not Otherwise Specified  |
| vPvB                        | Very Persistent and Very Bioaccumulative                                     |
| ED                          | Endocrine disrupting properties  |

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information : None.

| Full text of H- and EUH-statements: |   |
|-------------------------------------|---|
| Aquatic Chronic 3                   | Hazardous to the aquatic environment – Chronic Hazard, Category 3   |
| EUH208                              | Contains Sulfonic acids, petroleum, calcium salts, Benzenesulfonic acid, mono-C16-24-alkyl derivs, calcium salts, petroleum, mono-C10-16 saturated linear alkaryl derivatised benzenesulphonic acid calcium salts . May produce an allergic reaction. |
| EUH210                              | Safety data sheet available on request.   |
| Eye Dam. 1                          | Serious eye damage/eye irritation, Category 1   |
| Eye Irrit. 2                        | Serious eye damage/eye irritation, Category 2   |
| H315                                | Causes skin irritation.   |
| H317                                | May cause an allergic skin reaction.  |
| H318                                | Causes serious eye damage.  |
| H319                                | Causes serious eye irritation.  |
| H361f                               | Suspected of damaging fertility.  |
| H412                                | Harmful to aquatic life with long lasting effects.  |
| Repr. 2                             | Reproductive toxicity, Category 2   |
| Skin Irrit. 2                       | Skin corrosion/irritation, Category 2   |
| Skin Sens. 1                        | Skin sensitisation, Category 1  |
| Skin Sens. 1B                       | Skin sensitisation, category 1B   |

Safety Data Sheet (SDS), EU

# **Eurol Grease CS-2/102 FD**

## **Safety Data Sheet**

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

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This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.