

## Safety Data Sheet

### ASTRON GREENMOL 0W-20

Revision date: 10.09.2025

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

##### 1.1. Product identifier

ASTRON GREENMOL 0W-20

Product group: Zulieferprodukt

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

###### Use of the substance/mixture

Motor oil multigrade

###### Uses advised against

No information available.

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

Company name: Duran Lubricants & Chemicals GmbH  
Street: Rodderheide 3-7  
Place: D-33824 Werther  
Telephone: +49 (0)5203-901510 Fax: +49 (0)5203-901515  
e-mail: info@duran-oil.com  
Internet: www.fosser.de  
Responsible Department: Produktsicherheit / Product Safety  
info@duran-oil.com

##### 1.4. Emergency telephone number:

Giftinformationszentrum Nord  
(Göttingen)+49 (0)551/19240

#### SECTION 2: Hazards identification

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

###### GB CLP Regulation

This mixture is not classified as hazardous in accordance with GB CLP Regulation.

##### 2.2. Label elements

###### GB CLP Regulation

###### Special labelling of certain mixtures

EUH208 Contains tris(branched-alkyl)borate. May produce an allergic reaction.

##### 2.3. Other hazards

No information available.

#### SECTION 3: Composition/information on ingredients

##### 3.2. Mixtures

###### Chemical characterization

Preparation of base oils and additives.

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#### Hazardous components

| CAS No     | Chemical name   |              |                  | Quantity    |
|------------|---|--------------|------------------|-------------|
|            | EC No   | Index No     | REACH No         |             |
|            | GHS Classification  |              |                  |             |
| 64742-54-7 | Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified |              |                  | 50 - 100 %  |
|            | 265-157-1   | 649-467-00-8 | 01-2119484627-25 |             |
|            | Asp. Tox. 1; H304   |              |                  |             |
|            | mineral oil*  |              |                  | 0 - 10 %    |
|            |   |              |                  |             |
|            | Asp. Tox. 1; H304   |              |                  |             |
| 72623-83-7 | Lubricating oils, (petroleum) treated with hydrogen                           |              |                  | 2,5 - 10 %  |
|            | 276-735-8   |              |                  |             |
|            | tris(branched-alkyl)borate  |              |                  | 0 - < 0,4 % |
|            |   |              |                  |             |
|            | Skin Sens. 1B; H317   |              |                  |             |

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

#### Specific Conc. Limits, M-factors and ATE

| CAS No     | EC No   | Chemical name   | Quantity    |
|------------|---|---|-------------|
|            | Specific Conc. Limits, M-factors and ATE  |   |             |
| 64742-54-7 | 265-157-1   | Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified | 50 - 100 %  |
|            | inhalation: LC50 = 5,53 mg/l (dusts or mists); dermal: LD50 = > 5000 mg/kg; oral: LD50 = > 5000 mg/kg |   |             |
|            |   | tris(branched-alkyl)borate  | 0 - < 0,4 % |
|            | Skin Sens. 1B; H317: >= 72 - 100  |   |             |

#### Further Information

This mixture contains no substances of very high concern (SVHC) which are included in the Candidate List according to Article 59 of REACH.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

Remove affected person from the danger area and lay down.

Do not leave affected person unattended.

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

#### After inhalation

Remove person to fresh air and keep comfortable for breathing.

In all cases of doubt, or when symptoms persist, seek medical advice.

#### After contact with skin

After contact with skin, wash immediately with plenty of water and soap.

Take off contaminated clothing and wash it before reuse.

In case of skin irritation, consult a physician.

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#### 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.

#### After ingestion

Rinse mouth thoroughly with water.

Let water be drunk in little sips (dilution effect).

Do NOT induce vomiting.

In all cases of doubt, or when symptoms persist, seek medical advice.

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

No information available.

#### 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

Use water spray jet to protect personnel and to cool endangered containers.

Co-ordinate fire-fighting measures to the fire surroundings.

- Foam
- Carbon dioxide (CO<sub>2</sub>).
- Extinguishing powder
- Water mist

##### Unsuitable extinguishing media

High power water jet.

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

Non-flammable. Formation of toxic gases is possible during heating or in case of fire.

In case of fire may be liberated:

- Carbon monoxide (CO)
- Carbon dioxide (CO<sub>2</sub>).
- Nitrogen oxides (NO<sub>x</sub>)
- Pyrolysis products, toxic

#### 5.3. Advice for firefighters

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

In case of fire and/or explosion do not breathe fumes.

#### Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

## SECTION 6: Accidental release measures

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

##### General advice

Keep people at a distance and stay on the windward side.

Special danger of slipping by leaking/spilling product.

##### For non-emergency personnel

Wear protective gloves/protective clothing and eye/face protection.

#### 6.2. Environmental precautions

Do not allow to enter into surface water or drains.

Do not allow to enter into soil/subsoil.

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Prevent spread over a wide area (e.g. by containment or oil barriers).

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

##### **For containment**

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

##### **For cleaning up**

Clean contaminated articles and floor according to the environmental legislation.

Remove from the water surface (e.g. skimming, sucking).

#### **6.4. Reference to other sections**

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

## SECTION 7: Handling and storage

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

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

Avoid formation of oil dust.  
Use personal protection equipment.  
Do not put any product-impregnated cleaning rags into your trouser pockets.  
Clear spills immediately.

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

No special fire protection measures are necessary.  
Take precautionary measures against static discharges.  
Keep away from sources of ignition - No smoking.

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

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

Keep container tightly closed and in a well-ventilated place.  
Keep only in the original container. Store in a cool dry place. (Protect from moisture.)  
Floors should be impervious, resistant to liquids and easy to clean.

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

Do not store together with:  
- Materials capable of ignition under almost all normal temperature conditions  
- Explosives

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

Motor oil multigrade

## SECTION 8: Exposure controls/personal protection

#### **8.1. Control parameters**

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#### DNEL/DMEL values

| CAS No                   | Substance   | Exposure route | Effect   | Value                  |
|--------------------------|---|----------------|----------|------------------------|
| DNEL type                |   |                |          |                        |
| 64742-54-7               | Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified |                |          |                        |
| Worker DNEL, long-term   |   | inhalation     | systemic | 2,73 mg/m <sup>3</sup> |
| Worker DNEL, long-term   |   | inhalation     | local    | 5,58 mg/m <sup>3</sup> |
| Worker DNEL, long-term   |   | dermal         | systemic | 0,97 mg/kg bw/day      |
| Consumer DNEL, long-term |   | inhalation     | local    | 1,19 mg/m <sup>3</sup> |
| Consumer DNEL, long-term |   | oral           | systemic | 0,74 mg/kg bw/day      |

#### PNEC values

| CAS No                    | Substance   | Value      |
|---------------------------|---|------------|
| Environmental compartment |   |            |
| 64742-54-7                | Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified |            |
| Secondary poisoning       |   | 9,33 mg/kg |

#### Additional advice on limit values

To date, no national critical limit values exist.

#### 8.2. Exposure controls



#### Appropriate engineering controls

Provide adequate ventilation as well as local exhaust at critical locations.

#### Protective and hygiene measures

Take off contaminated clothing and wash it before reuse.

Wash hands before breaks and after work.

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

#### Eye/face protection

During filling, metering, mixing and sampling must be used:

Wear eye/face protection. EN 166

#### Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. 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.

Recommended glove articles: EN ISO 374

Suitable material: NBR (Nitrile rubber)

Thickness of the glove material: 0,4 mm

Breakthrough times and swelling properties of the material must be taken into consideration. Breakthrough time: > 8h

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.

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#### **Skin protection**

Wear suitable protective clothing.

#### **Respiratory protection**

In case of inadequate ventilation wear respiratory protection.

### SECTION 9: Physical and chemical properties

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

|                  |                   |
|------------------|-------------------|
| Physical state:  | Liquid            |
| Colour:          | green             |
| Odour:           | characteristic    |
| Odour threshold: | not determined    |
| pH-Value:        | No data available |

#### **Changes in the physical state**

|   |                   |
|---|-------------------|
| Melting point/freezing point:                             | No data available |
| Boiling point or initial boiling point and boiling range: | No data available |

|              |        |
|--------------|--------|
| Flash point: | 232 °C |
|--------------|--------|

#### **Explosive properties**

Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

|                            |                   |
|----------------------------|-------------------|
| Lower explosion limits:    | No data available |
| Upper explosion limits:    | No data available |
| Auto-ignition temperature: | No data available |

#### **Self-ignition temperature**

|                            |                   |
|----------------------------|-------------------|
| Solid:                     | not applicable    |
| Gas:                       | not applicable    |
| Decomposition temperature: | No data available |

#### **Oxidizing properties**

The product is not: oxidising.

|                                      |                         |
|--------------------------------------|-------------------------|
| Density (at 15 °C):                  | 0,844 g/cm <sup>3</sup> |
| Water solubility:                    | Immiscible              |
| Viscosity / dynamic:                 | No data available       |
| Viscosity / kinematic:<br>(at 40 °C) | 43 mm <sup>2</sup> /s   |

### 9.2. Other information

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

#### 10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

#### 10.3. Possibility of hazardous reactions

The formation of combustible vapours is possible at temperatures above: Flash point

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#### **10.4. Conditions to avoid**

Avoid: Thermal decomposition

#### **10.5. Incompatible materials**

Materials to avoid:

- Oxidizing agent
- Reducing agent
- Acids

#### **10.6. Hazardous decomposition products**

Hazardous combustion products:

- Carbon monoxide (CO)
- Carbon dioxide (CO<sub>2</sub>).
- Nitrogen oxides (NO<sub>x</sub>)
- Pyrolysis products, toxic

## SECTION 11: Toxicological information

### **11.1. Information on hazard classes as defined in GB CLP Regulation**

#### **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

| CAS No     | Chemical name   |                   |                  |                     |                    |
|------------|---|-------------------|------------------|---------------------|--------------------|
|            | Exposure route  | Dose              | Species          | Source              | Method             |
| 64742-54-7 | Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified |                   |                  |                     |                    |
|            | oral  | LD50<br>mg/kg     | > 5000<br>Rat    | Study report (1982) | OECD Guideline 401 |
|            | dermal  | LD50<br>mg/kg     | > 5000<br>Rabbit | Study report (1982) | OECD Guideline 402 |
|            | inhalation (4 h)<br>dust/mist   | LC50<br>5,53 mg/l | Rat              |                     | 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.

Contains tris(branched-alkyl)borate. May produce an allergic reaction.

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

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

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

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

#### **STOT-single exposure**

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

#### **STOT-repeated exposure**

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

#### **Aspiration hazard**

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

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#### 11.2. Information on other hazards

##### **Endocrine disrupting properties**

See section 12.6

## SECTION 12: Ecological information

#### 12.1. Toxicity

The product spreads out on the surface of the water. A small fraction of the constituents will be dissolved. It prevents the solution of oxygen and can cause the death of water organismn.

| CAS No     | Chemical name   | Aquatic toxicity | Dose    | [h]   [d] | Species             | Source                                  | Method  |
|------------|---|------------------|---------|-----------|---------------------|---|---|
| 64742-54-7 | Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified |                  |         |           |                     |   |   |
|            | Acute fish toxicity   | LL50<br>mg/l     | > 100   | 96 h      | Pimephales promelas | Study report<br>(1995)                  | OECD Guideline<br>203                         |
|            | Fish toxicity   | NOEC<br>mg/l     | >= 1000 | 14 d      | Oncorhynchus mykiss | CONCAWE,<br>Brussels, Belgium<br>(2010) | The aquatic<br>toxicity was<br>estimated by a |

#### 12.2. Persistence and degradability

Not readily biodegradable (according to OECD criteria)

#### 12.3. Bioaccumulative potential

Based on the n-octanol/water partition coefficient significant accumulation in organisms is not expected.

#### 12.4. Mobility in soil

No data available

#### 12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.

#### 12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

#### 12.7. Other adverse effects

No information available.

## SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### **Disposal recommendations**

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation.

##### **Contaminated packaging**

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

## SECTION 14: Transport information

#### **Land transport (ADR/RID)**

##### 14.1. UN 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.

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|   |  |
|---|--|
| <b><u>14.4. Packing group:</u></b>  | No dangerous good in sense of this transport regulation. |
| <b>Inland waterways transport (ADN)</b>                                     |  |
| <b><u>14.1. UN number:</u></b>  | No dangerous good in sense of this transport regulation. |
| <b><u>14.2. UN proper shipping name:</u></b>                                | No dangerous good in sense of this transport regulation. |
| <b><u>14.3. Transport hazard class(es):</u></b>                             | No dangerous good in sense of this transport regulation. |
| <b><u>14.4. Packing group:</u></b>  | No dangerous good in sense of this transport regulation. |
| <b>Marine transport (IMDG)</b>  |  |
| <b><u>14.1. UN number:</u></b>  | No dangerous good in sense of this transport regulation. |
| <b><u>14.2. UN proper shipping name:</u></b>                                | No dangerous good in sense of this transport regulation. |
| <b><u>14.3. Transport hazard class(es):</u></b>                             | No dangerous good in sense of this transport regulation. |
| <b><u>14.4. Packing group:</u></b>  | No dangerous good in sense of this transport regulation. |
| <b>Air transport (ICAO-TI/IATA-DGR)</b>                                     |  |
| <b><u>14.1. UN number:</u></b>  | No dangerous good in sense of this transport regulation. |
| <b><u>14.2. UN proper shipping name:</u></b>                                | No dangerous good in sense of this transport regulation. |
| <b><u>14.3. Transport hazard class(es):</u></b>                             | No dangerous good in sense of this transport regulation. |
| <b><u>14.4. Packing group:</u></b>  | No dangerous good in sense of this transport regulation. |
| <b><u>14.5. Environmental hazards</u></b>                                   |  |
| ENVIRONMENTALLY HAZARDOUS:  | No   |
| <b><u>14.6. Special precautions for user</u></b>                            | No dangerous good in sense of this transport regulation. |
| <b><u>14.7. Maritime transport in bulk according to IMO instruments</u></b> | 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 75

Information according to Directive 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

#### National regulatory information

Water hazard class (D): 2 - obviously hazardous to water

Skin resorption/Sensitization: Causes allergic hypersensitivity reactions.

### 15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

## SECTION 16: Other information

#### Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route  
(European Agreement concerning the International Carriage of Dangerous Goods by Road )

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

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EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

CLP: Classification, labelling and Packaging

REACH: Registration, Evaluation and Authorization of Chemicals

GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals

UN: United Nations

DNEL: Derived No Effect Level

DMEL: Derived Minimal Effect Level

PNEC: Predicted No Effect Concentration

ATE: Acute toxicity estimate

LL50: Lethal loading, 50%

EL50: Effect loading, 50%

EC50: Effective Concentration 50%

ErC50: Effective Concentration 50%, growth rate

NOEC: No Observed Effect Concentration

BCF: Bio-concentration factor

PBT: persistent, bioaccumulative, toxic

vPvB: very persistent, very bioaccumulative

RID: Regulations concerning the international carriage of dangerous goods by rail

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
(Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)

EmS: Emergency Schedules

MFAG: Medical First Aid Guide

ICAO: International Civil Aviation Organization

MARPOL: International Convention for the Prevention of Marine Pollution from Ships

IBC: Intermediate Bulk Container

SVHC: Substance of Very High Concern

For abbreviations and acronyms, see table at <http://abbrev.esdscom.eu>

#### Relevant H and EUH statements (number and full text)

H304 May be fatal if swallowed and enters airways.

H317 May cause an allergic skin reaction.

EUH208 Contains tris(branched-alkyl)borate. May produce an allergic reaction.

#### Further Information

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.

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