

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## ADDINOL Mega Power MV 0538 C4

Revision date: 22.07.2020

Product code: 722140

Page 1 of 9

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

#### 1.1. Product identifier

ADDINOL Mega Power MV 0538 C4

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

##### Use of the substance/mixture

Motor oil.

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

|                         |                                |                               |
|-------------------------|--------------------------------|-------------------------------|
| Company name:           | ADDINOL Lube Oil GmbH          |                               |
|                         | Gebäude 4609                   |                               |
| Street:                 | Am Haupttor                    |                               |
| Place:                  | D-06237 Leuna                  |                               |
| Telephone:              | +49 (0) 3461 845-0             | Telefax: +49 (0) 3461 845-555 |
| e-mail:                 | info@addinol.de                |                               |
| Contact person:         | Application Technology         |                               |
| Internet:               | www.addinol.de                 |                               |
| Responsible Department: | ADDINOL Application Technology |                               |

**1.4. Emergency telephone number:** +49 (0) 3461 845 222 - Only available during office hours.

### SECTION 2: Hazards identification

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

##### Regulation (EC) No. 1272/2008

Hazard categories:

Hazardous to the aquatic environment: Aquatic Chronic 3

Hazard Statements:

Harmful to aquatic life with long lasting effects.

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

#### 2.2. Label elements

##### Regulation (EC) No. 1272/2008

##### Hazard statements

H412 Harmful to aquatic life with long lasting effects.

##### Precautionary statements

P273 Avoid release to the environment.

P501 Dispose of contents/container to a waste disposal system.

##### Additional advice on labelling

Product is classified and labelled in accordance with EC regulations or the corresponding national laws.

#### 2.3. Other hazards

Prolonged/repetitive skin contact may cause skin defatting or dermatitis.

Spilled product must not leak into the ground.

Do not allow uncontrolled leakage of product into the environment.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### ADDINOL Mega Power MV 0538 C4

Revision date: 22.07.2020

Product code: 722140

Page 2 of 9

#### 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  |              |                  | 80 - <= 100 % |
|             | 265-157-1  |              | 01-2119484627-25 |               |
|             | Asp. Tox. 1; H304  |              |                  |               |
| 36878-20-3  | Bis(nonylphenyl)amine  |              |                  | 1 - < 2.5 %   |
|             | 253-249-4  |              | 01-2119488911-28 |               |
|             | Aquatic Chronic 4; H413  |              |                  |               |
| 121158-58-5 | phenol, dodecyl-, branched   |              |                  | < 0.1 %       |
|             | 310-154-3  | 604-092-00-9 | 01-2119513207-49 |               |
|             | Repr. 1B, Skin Corr. 1C, Eye Dam. 1, Aquatic Acute 1 (M-Factor = 10), Aquatic Chronic 1 (M-Factor = 10); H360F H314 H318 H400 H410 |              |                  |               |
| 7783-06-4   | hydrogen sulphide  |              |                  | < 0.1 %       |
|             | 231-977-3  | 016-001-00-4 |                  |               |
|             | Flam. Gas 1, Acute Tox. 2, Aquatic Acute 1; H220 H330 H400   |              |                  |               |

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

#### Further Information

DMSO-Extrakt < 3 %, IP 346.

Classification system: The classification corresponds to the current EC lists and is completed by information from specialist literature and company information.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### General information

Self-protection of the first aider. Change contaminated clothing. Do not put any product-impregnated cleaning rags into your trouser pockets.

##### After inhalation

Move victim to fresh air. Put victim at rest and keep warm. Seek medical attention if problems persist.

##### After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Change contaminated clothing. In case of skin irritation, seek medical treatment.

##### After contact with eyes

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist.

##### After ingestion

Do NOT induce vomiting.

Rinse mouth thoroughly with water. Call a physician immediately.

#### 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

First Aid, decontamination, treatment of symptoms.

### SECTION 5: Firefighting measures

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## ADDINOL Mega Power MV 0538 C4

Revision date: 22.07.2020

Product code: 722140

Page 3 of 9

### 5.1. Extinguishing media

#### **Suitable extinguishing media**

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

#### **Unsuitable extinguishing media**

High power water jet.

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

In case of fire may be liberated: Carbon monoxide Carbon dioxide (CO<sub>2</sub>). Nitrogen oxides (NO<sub>x</sub>). carbon black.

### 5.3. Advice for firefighters

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

#### **Additional information**

Co-ordinate fire-fighting measures to the fire surroundings. Use water spray/stream to protect personnel and to cool endangered containers. In case of fire and/or explosion do not breathe fumes. Contaminated fire-fighting water must be collected separately. Do not allow to enter into surface water or drains.

## SECTION 6: Accidental release measures

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

High slip hazard because of leaking or spilled product. Remove all sources of ignition. Wear breathing apparatus if exposed to vapours/dusts/aerosols. Avoid contact with skin, eye and clothing.

### 6.2. Environmental precautions

Do not allow to enter into surface water or drains. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities. Prevent spread over a wide area (e.g. by containment or oil barriers).

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

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal. Clean contaminated articles and floor according to the environmental legislation.

### 6.4. Reference to other sections

Refer to the provisions listed in Sections 8, 12 and 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

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

Work in well-ventilated zones or use proper respiratory protection. Avoid oil mist. If handled uncovered, arrangements with local exhaust ventilation have to be used. Avoid contact with skin, eye and clothing.

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

Keep away from sources of ignition - No smoking.

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

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

Keep the packing dry and well sealed to prevent contamination and absorption of humidity. Keep container tightly closed in a cool place.

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

Keep away from food, drink and animal feedingstuffs.

Keep away from: Oxidizing agents.

#### **Further information on storage conditions**

Recommended storage temperature: 5 - 40°C

Protect against: heat. UV-radiation/sunlight. frost.

### 7.3. Specific end use(s)

Motor oil. Further information: see technical data sheet.

## SECTION 8: Exposure controls/personal protection

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### ADDINOL Mega Power MV 0538 C4

Revision date: 22.07.2020

Product code: 722140

Page 4 of 9

#### 8.1. Control parameters

##### Occupational exposure limits

| CAS No    | Substance         | ppm | mg/m <sup>3</sup> | fib/cm <sup>3</sup> | Category      | Origin |
|-----------|-------------------|-----|-------------------|---------------------|---------------|--------|
| 7783-06-4 | Hydrogen sulphide | 5   | 7                 |                     | TWA (8 h)     |        |
|           |                   | 10  | 14                |                     | STEL (15 min) |        |

##### Additional advice on limit values

Recommended limit value for oil mist

TWA: 5 mg/m<sup>3</sup>

STEL: 10 mg/m<sup>3</sup>

The product does not contain any relevant quantities of substances with legally established exposure limitation.

#### 8.2. Exposure controls



##### Appropriate engineering controls

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

##### Protective and hygiene measures

Wash hands before breaks and after work. Take off immediately all contaminated clothing. Wash contaminated clothing prior to re-use. Do not eat, drink, smoke or sneeze at the workplace.

##### Eye/face protection

Tightly sealed safety glasses. German Industry Norms (DIN) / European Norms (EN): DIN EN 166

##### Hand protection

Tested protective gloves are to be worn: German Industry Norms (DIN) / European Norms (EN): DIN EN 374

Duration of wearing with permanent contact: 480 min

Suitable material: NBR (Nitrile rubber).

Thickness of glove material: 0.7 mm.

Wearing time with occasional contact (splashes): 30 min

Suitable material: NBR (Nitrile rubber).

Thickness of glove material: 0.4 mm

Protect skin by using skin protective cream.

##### Skin protection

Wear suitable protective clothing. Change contaminated clothing. Do not put any product-impregnated cleaning rags into your trouser pockets.

##### Respiratory protection

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

## SECTION 9: Physical and chemical properties

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

|                 |                    |
|-----------------|--------------------|
| Physical state: | liquid             |
| Colour:         | yellow             |
| Odour:          | like: mineral oil. |

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### ADDINOL Mega Power MV 0538 C4

Revision date: 22.07.2020

Product code: 722140

Page 5 of 9

#### Test method

|  |                                     |
|--|-------------------------------------|
| pH-Value:                                | No data available                   |
| <b>Changes in the physical state</b>     |                                     |
| Melting point:                           | No data available                   |
| Initial boiling point and boiling range: | not determined                      |
| Pour point:                              | -40 °C ASTM D 7346                  |
| Flash point:                             | 230 °C DIN EN ISO 2592              |
| <b>Flammability</b>                      |                                     |
| Solid:                                   | No data available                   |
| Gas:                                     | No data available                   |
| <b>Explosive properties</b>              |                                     |
| No data available                        |                                     |
| Lower explosion limits:                  | No data available                   |
| Upper explosion limits:                  | No data available                   |
| Ignition temperature:                    | not determined                      |
| <b>Auto-ignition temperature</b>         |                                     |
| Solid:                                   | No data available                   |
| Gas:                                     | No data available                   |
| Decomposition temperature:               | No data available                   |
| <b>Oxidizing properties</b>              |                                     |
| No data available                        |                                     |
| Vapour pressure:                         | No data available                   |
| Density (at 15 °C):                      | 0,852 g/cm <sup>3</sup> DIN 51757   |
| Water solubility:                        | virtually insoluble                 |
| <b>Solubility in other solvents</b>      |                                     |
| No data available                        |                                     |
| Partition coefficient:                   | No data available                   |
| Viscosity / kinematic:<br>(at 100 °C)    | 11,7 mm <sup>2</sup> /s ASTM D 7042 |
| Vapour density:                          | No data available                   |
| Evaporation rate:                        | No data available                   |

#### **9.2. Other information**

No data available

## SECTION 10: Stability and reactivity

### **10.1. Reactivity**

The product is stable under storage at normal ambient temperatures.

### **10.2. Chemical stability**

The mixture is chemically stable under recommended conditions of storage, use and temperature.

### **10.3. Possibility of hazardous reactions**

No known hazardous reactions.

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

Refer to chapter 7 No further action is necessary.

Do not overheat to avoid decomposition by heat.

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### ADDINOL Mega Power MV 0538 C4

Revision date: 22.07.2020

Product code: 722140

Page 6 of 9

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

Reacts with : Oxidizing agents, strong. Acid.

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

In case of fire may be liberated: Carbon monoxide Carbon dioxide (CO<sub>2</sub>). Nitrogen oxides (NO<sub>x</sub>). carbon black.

### SECTION 11: Toxicological information

#### **11.1. Information on toxicological effects**

##### **Acute toxicity**

No data available

Mixture not tested.

| CAS No     | Chemical name   |                   |         |        |        |
|------------|---|-------------------|---------|--------|--------|
|            | Exposure route  | Dose              | Species | Source | Method |
| 64742-54-7 | Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified |                   |         |        |        |
|            | oral  | LD50 > 5000 mg/kg | Rat     |        |        |
|            | dermal  | LD50 > 2000 mg/kg | Rabbit  |        |        |
| 7783-06-4  | hydrogen sulphide   |                   |         |        |        |
|            | inhalation vapour   | ATE 0,5 mg/l      |         |        |        |
|            | inhalation aerosol  | ATE 0,05 mg/l     |         |        |        |

##### **Irritation and corrosivity**

Irritant effect on the eye: mild irritant.

Irritant effect on the skin: Prolonged/repetitive skin contact may cause skin defatting or dermatitis.

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

No data available

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

Prolonged/repetitive skin contact may cause skin defatting or dermatitis.

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

No data available

### SECTION 12: Ecological information

#### **12.1. Toxicity**

No data available

Mixture not tested.

| 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   | LC50 >1.000 mg/l | 96 h      |         |        |        |
|            | Acute algae toxicity  | ErC50 >100 mg/l  | 72 h      |         |        |        |

#### **12.2. Persistence and degradability**

Not easily bio-degradable (according to OECD-criteria). Do not allow to enter into surface water or drains.

#### **12.3. Bioaccumulative potential**

No data available

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### ADDINOL Mega Power MV 0538 C4

Revision date: 22.07.2020

Product code: 722140

Page 7 of 9

#### **12.4. Mobility in soil**

Due to its low solubility in water the product is almost completely mechanically separated in biological waste water treatment plants.

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

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

#### **12.6. Other adverse effects**

No data available

#### **Further information**

Do not allow uncontrolled leakage of product into the environment.

### SECTION 13: Disposal considerations

#### **13.1. Waste treatment methods**

##### **Disposal recommendations**

Must not be disposed of with domestic refuse. Do not allow to enter into surface water or drains.

##### **List of Wastes Code - residues/unused products**

130206 OIL WASTES AND WASTES OF LIQUID FUELS (EXCEPT EDIBLE OILS, AND THOSE IN CHAPTERS 05, 12 AND 19); waste engine, gear and lubricating oils; synthetic engine, gear and lubricating oils; hazardous waste

##### **Contaminated packaging**

Contaminated packages must be completely emptied and can be re-used following proper cleaning. Dispose of waste according to applicable legislation. Packing which cannot be properly cleaned must be thrown away.

### SECTION 14: Transport information

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

- 14.1. UN number:** -
- 14.2. UN proper shipping name:** -
- 14.3. Transport hazard class(es):** -
- 14.4. Packing group:** -

#### **Inland waterways transport (ADN)**

- 14.1. UN number:** -
- 14.2. UN proper shipping name:** -
- 14.3. Transport hazard class(es):** -
- 14.4. Packing group:** -

#### **Marine transport (IMDG)**

- 14.1. UN number:** -
- 14.2. UN proper shipping name:** -
- 14.3. Transport hazard class(es):** -
- 14.4. Packing group:** -

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

- 14.1. UN number:** -
- 14.2. UN proper shipping name:** -
- 14.3. Transport hazard class(es):** -
- 14.4. Packing group:** -

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### ADDINOL Mega Power MV 0538 C4

Revision date: 22.07.2020

Product code: 722140

Page 8 of 9

#### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

#### 14.6. Special precautions for user

Unless specified otherwise, general measures for safe transport must be followed.

#### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

not applicable

#### Other applicable information

No dangerous good in sense of these transport regulations.

### 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 28: Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified

Entry 30: phenol, dodecyl-, branched

Entry 40: hydrogen sulphide

##### National regulatory information

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

#### 15.2. Chemical safety assessment

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

### SECTION 16: Other information

#### Changes

This data sheet contains changes from the previous version in section(s): 1,2,3,8,15.

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

| Classification          | Classification procedure |
|-------------------------|--------------------------|
| Aquatic Chronic 3; H412 | Calculation method       |

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

|       |   |
|-------|---|
| H220  | Extremely flammable gas.                                |
| H304  | May be fatal if swallowed and enters airways.           |
| H314  | Causes severe skin burns and eye damage.                |
| H318  | Causes serious eye damage.                              |
| H330  | Fatal if inhaled.                                       |
| H360F | May damage fertility.                                   |
| H400  | Very toxic to aquatic life.                             |
| H410  | Very toxic to aquatic life with long lasting effects.   |
| H412  | Harmful to aquatic life with long lasting effects.      |
| H413  | May cause long lasting harmful effects to aquatic life. |

#### Further Information

This preparation is hazardous in the sense of regulation (EC) No 1272/2008 [GHS].

These given data only refer to the named product. If the product is used together with other materials or in manufacturing processes the data might not be applicable any more. The data are based on today's state of our knowledge and experience. They are, however, no guarantee of any specific product properties and do not established any legally valid contractual relationship.

The receiver of our product is singularly responsible for adhering to existing laws and regulations.



## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### **ADDINOL Mega Power MV 0538 C4**

Revision date: 22.07.2020

Product code: 722140

Page 9 of 9

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