

according to Regulation (EC) No 1907/2006

PLATIN ATF 9004

Revision date: 31.05.2021

Page 1 of 9

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

PLATIN ATF 9004

1.2. Relevant identified uses of the substance or mixture and uses advised against**Use of the substance/mixture**

ATF

1.3. Details of the supplier of the safety data sheet

| | | |
|-------------------------|-------------------------|-------------------------------|
| Company name: | ROWE Mineralölwerk GmbH | |
| Street: | Langgewann 101 | |
| Place: | D-67547 Worms | |
| Telephone: | +49 (0)6241 5906-0 | Telefax: +49 (0)6241 5906-999 |
| e-mail: | info@rowe-oil.com | |
| Responsible Department: | sdb@rowe-oil.com | |

1.4. Emergency telephone number: Giftnotruf Mainz (DE; E) +49 (0)6131-19240**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.

2.2. Label elements**Regulation (EC) No. 1272/2008****Hazard statements**

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P103 Read carefully and follow all instructions.

P273 Avoid release to the environment.

P501 Dispose of contents/container to of the disposal according to local regulations.

Special labelling of certain mixtures

EUH208 Contains 4,4'-Thiodiethylenhydrogen-2-octadecenylsuccinate. May produce an allergic reaction.

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients**3.2. Mixtures**

according to Regulation (EC) No 1907/2006

PLATIN ATF 9004

Revision date: 31.05.2021

Page 2 of 9

Hazardous components

| CAS No | Chemical name | | | Quantity |
|-------------|--|--------------|------------------|---------------|
| | EC No | Index No | REACH No | |
| | GHS Classification | | | |
| 64742-54-7 | Distillates (petroleum), heavy paraffinic, hydrotreated | | | 60 - <= 100 % |
| | 265-157-1 | | 01-2119484627-25 | |
| | Asp. Tox. 1; H304 | | | |
| | Reaction products of fatty acids, C14-C18 (branched and linear) and C18 (unsaturated) with tetraethylenepentamine (linear, branched, cyclic) | | | 1 - < 2.5 % |
| | 701-204-9 | | 01-2119960832-33 | |
| | Skin Irrit. 2, Eye Irrit. 2; H315 H319 | | | |
| 72623-87-1 | Baseoil - unspecified, Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based | | | 1 - < 2.5 % |
| | 276-738-4 | 649-483-00-5 | 01-2119474889-13 | |
| | Asp. Tox. 1; H304 | | | |
| 72623-86-0 | Baseoil - unspecified, Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based | | | 1 - < 2.5 % |
| | 276-737-9 | | 01-2119474878-16 | |
| | Asp. Tox. 1; H304 | | | |
| 64742-55-8 | Distillates (petroleum), hydrotreated light paraffinic | | | 1 - < 2.5 % |
| | 265-158-7 | | 01-2119487077-29 | |
| | Asp. Tox. 1; H304 | | | |
| 125643-61-0 | reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate | | | 1 - < 2.5 % |
| | 406-040-9 | 607-530-00-7 | 01-0000015551-76 | |
| | Aquatic Chronic 4; H413 | | | |
| | Alkyl phosphites | | | 0.1 - < 0.3 % |
| | 424-820-7 | | 01-0000017126-75 | |
| | Acute Tox. 4, Skin Corr. 1B, Aquatic Acute 1, Aquatic Chronic 1; H312 H314 H400 H410 | | | |
| 93882-40-7 | 4,4'-Thiodiethylenhydrogen-2-octadecenylsuccinate | | | 0.1 - < 0.3 % |
| | 299-434-3 | | | |
| | Eye Irrit. 2, Skin Sens. 1, Aquatic Chronic 2; H319 H317 H411 | | | |

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

Further Information

According to EC directives or the corresponding national regulations the product does not have to be labelled.

SECTION 4: First aid measures
4.1. Description of first aid measures
After inhalation

Provide fresh air. If breathing is irregular or stopped, administer artificial respiration. Medical treatment necessary.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water.

After ingestion

Rinse mouth immediately and drink 1 glass of water.

according to Regulation (EC) No 1907/2006

PLATIN ATF 9004

Revision date: 31.05.2021

Page 3 of 9

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**

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

5.2. Special hazards arising from the substance or mixture

Non-flammable.

5.3. Advice for firefighters

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

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**

Use personal protection equipment.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

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.

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**

No special measures are necessary.

Advice on protection against fire and explosion

No special fire protection measures are necessary.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Keep container tightly closed.

Hints on joint storage

No special measures are necessary.

7.3. Specific end use(s)

ATF

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****8.2. Exposure controls**

PLATIN ATF 9004

Revision date: 31.05.2021

Page 4 of 9


Protective and hygiene measures

Take off contaminated clothing. Wash hands before breaks and after work. When using do not eat, drink, smoke, sniff.

Eye/face protection

Wear eye protection/face protection.

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. 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.

Skin protection

Use of 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: | red |
| Odour: | characteristic |

| | Test method |
|---|--------------------------|
| pH-Value: | not applicable DIN 51369 |
| Changes in the physical state | |
| Melting point/freezing point: | not determined |
| Boiling point or initial boiling point and boiling range: | not determined |
| Pour point: | ~ -42 °C |
| : | DIN ISO 3016 |
| Flash point: | >170 °C ISO 2592 |

Flammability

| | |
|--------|----------------|
| Solid: | not applicable |
| Gas: | not applicable |

Explosive properties

The product is not: Explosive.

| | |
|----------------------------|-------------------|
| Lower explosion limits: | not determined |
| Upper explosion limits: | not determined |
| Auto-ignition temperature: | No data available |

Self-ignition temperature

| | |
|----------------------------|----------------|
| Solid: | not applicable |
| Gas: | not applicable |
| Decomposition temperature: | not determined |

PLATIN ATF 9004

Revision date: 31.05.2021

Page 5 of 9

Oxidizing properties

The product is not: oxidising.

Vapour pressure: <math><0,1 \text{ hPa}</math> calculated.

(at 20 °C)

 Density (at 15 °C): ~ 0,841 g/cm³ DIN 51757

Water solubility: practically insoluble

(at 20 °C)

Solubility in other solvents

Soluble in hydrocarbons (mineral oil.)

Partition coefficient n-octanol/water: not determined

 Viscosity / kinematic: ~ 6,4 mm²/s DIN 51562

(at 100 °C)

Relative vapour density: not determined

Evaporation rate: not determined

Solvent separation test: No data available

Solvent content: none Solvents

9.2. Other information

Solid content: not determined

none

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

No known hazardous reactions.

10.4. Conditions to avoid

none

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information
11.1. Information on toxicological effects

according to Regulation (EC) No 1907/2006

PLATIN ATF 9004

Revision date: 31.05.2021

Page 6 of 9

Acute toxicity

| CAS No | Chemical name | | | | |
|------------|---|------------------|---------|----------|--------|
| | Exposure route | Dose | Species | Source | Method |
| 64742-54-7 | Distillates (petroleum), heavy paraffinic, hydrotreated | | | | |
| | oral | LD50 >2000 mg/kg | Rat | OECD 401 | |
| | dermal | LD50 >2000 mg/kg | Rabbit | OECD 402 | |
| | inhalation (4 h) vapour | LC50 >5000 mg/l | Rat | OECD 403 | |
| | Alkyl phosphites | | | | |
| | oral | LD50 >2000 mg/kg | | | |
| | dermal | ATE 1100 mg/kg | | | |

SECTION 12: Ecological information
12.1. Toxicity

Harmful to aquatic life with long lasting effects.

| CAS No | Chemical name | | | | | |
|------------|---|--------------------|-----------|---------|----------|--------|
| | Aquatic toxicity | Dose | [h] [d] | Species | Source | Method |
| 64742-54-7 | Distillates (petroleum), heavy paraffinic, hydrotreated | | | | | |
| | Acute fish toxicity | LC50 > 1000 mg/l | 96 h | Fish | OECD 203 | |
| | Acute algae toxicity | ErC50 > 100 mg/l | 72 h | | OECD 201 | |
| | Acute crustacea toxicity | EC50 > 100 mg/l | 48 h | Daphnia | OECD 202 | |
| 72623-87-1 | Baseoil - unspecified, Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based | | | | | |
| | Acute fish toxicity | LC50 > 100 mg/l | 96 h | | OECD 203 | |
| | Acute algae toxicity | ErC50 >= 100 mg/l | 72 h | | OECD 201 | |
| | Acute crustacea toxicity | EC50 > 10 000 mg/l | 48 h | | OECD 202 | |

12.2. Persistence and degradability

The product has not been tested.

12.3. Bioaccumulative potential

The product has not been tested.

Partition coefficient n-octanol/water

| CAS No | Chemical name | Log Pow |
|------------|---|----------------------|
| 64742-54-7 | Distillates (petroleum), heavy paraffinic, hydrotreated | @1719.B0172 86 >4 |
| 72623-87-1 | Baseoil - unspecified, Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based | > 6 |

12.4. Mobility in soil

The product has not been tested.

12.5. Results of PBT and vPvB assessment

The product has not been tested.

according to Regulation (EC) No 1907/2006

PLATIN ATF 9004

Revision date: 31.05.2021

Page 7 of 9

12.6. Other adverse effects

No information available.

Further information

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

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.

List of Wastes Code - residues/unused products

130205 OIL WASTES AND WASTES OF LIQUID FUELS (EXCEPT EDIBLE OILS, AND THOSE IN CHAPTERS 05, 12 AND 19); waste engine, gear and lubricating oils; mineral-based non-chlorinated engine, gear and lubricating oils; hazardous waste

List of Wastes Code - used product

130205 OIL WASTES AND WASTES OF LIQUID FUELS (EXCEPT EDIBLE OILS, AND THOSE IN CHAPTERS 05, 12 AND 19); waste engine, gear and lubricating oils; mineral-based non-chlorinated engine, gear and lubricating oils; hazardous waste

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. |
| 14.4. Packing group: | No dangerous good in sense of this transport regulation. |

Inland waterways transport (ADN)

| | |
|--|--|
| 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. |
| 14.4. Packing group: | No dangerous good in sense of this transport regulation. |

Marine transport (IMDG)

| | |
|--|--|
| 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. |
| 14.4. Packing group: | No dangerous good in sense of this transport regulation. |

Air transport (ICAO-TI/IATA-DGR)

| | |
|--|--|
| 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. |
| 14.4. Packing group: | No dangerous good in sense of this transport regulation. |

according to Regulation (EC) No 1907/2006

PLATIN ATF 9004

Revision date: 31.05.2021

Page 8 of 9

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

No dangerous good in sense of this transport regulation.

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

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

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

Additional information

According to EC directives or the corresponding national regulations the product does not have to be labelled.

National regulatory information

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

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
Changes

This data sheet contains changes from the previous version in section(s): 2,3,4,5,6,7,8,9,10,11,12,13,15,16.

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

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

according to Regulation (EC) No 1907/2006

PLATIN ATF 9004

Revision date: 31.05.2021

Page 9 of 9

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>

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)

H304 May be fatal if swallowed and enters airways.
 H312 Harmful in contact with skin.
 H314 Causes severe skin burns and eye damage.
 H315 Causes skin irritation.
 H317 May cause an allergic skin reaction.
 H319 Causes serious eye irritation.
 H400 Very toxic to aquatic life.
 H410 Very toxic to aquatic life with long lasting effects.
 H411 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.
 EUH208 Contains 4,4'-Thiodiethylenhydrogen-2-octadecenylsuccinate. 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 above data are intended to describe our product in terms of any safety requirements to be observed. They reflect the state of our current knowledge and experience and shall not be construed as warranted characteristics. Any warranty for accuracy and completeness shall be expressly excluded.

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