

Safety data sheet according to Regulation (EC) No 1907/2006, Article 31

Printing date 01.12.2025

Version number 1.00

Revision: 28.11.2025

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

1.1 Product identifier

Trade name: **ADRENALIN R900 20W-60 EVO**

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

No further relevant information available.

Application of the substance / the mixture Motor Oil

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

CLASSIC Schmierstoff GmbH & Co. KG

Lange Straße 100-106

D-27318 HOYA

GERMANY

Phone: +49 (4251) - 8120

products@classic-oil.de

Further information obtainable from: product management

1.4 Emergency telephone number: 24-hour emergency contact number : +1 872 5888271 (CSG)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008



GHS09 environment

Aquatic Acute 1 H400 Very toxic to aquatic life.

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

Hazard pictograms



GHS09

Signal word Warning

Hazard statements

H400 Very toxic to aquatic life.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P273 Avoid release to the environment.

P391 Collect spillage.

Additional information:

Contains: amines bis(C11-C14) alkyl) tungstates. May produce an allergic reaction.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

Determination of endocrine-disrupting properties

CAS: 74499-35-7 | phenol, 2-dodecyl-, branched

List I

Safety data sheet according to Regulation (EC) No 1907/2006, Article 31

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SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components:

CAS: 68037-01-4 NLP: 500-183-1 Reg.nr.: 01-2119486452-34	1-Decene, homopolymer, hydrogenated ⚠ Asp. Tox. 1, H304	≥10-≤50%
CAS: 64742-65-0 EINECS: 265-169-7 Reg.nr.: 01-2119471299-27	Distillates (petroleum), solvent-dewaxed heavy paraffinic ⚠ Asp. Tox. 1, H304	≥0-≤2.5%
CAS: 74499-35-7	phenol, 2-dodecyl-, branched ⚠ Repr. 1B, H360F; ⚠ Skin Corr. 1C, H314; Eye Dam. 1, H318; ⚠ Aquatic Acute 1, H400 (M=10); Aquatic Chronic 1, H410 (M=10)	≥0.025- <0.25%
CAS: 1159919-46-6 EC number: 700-718-0 Reg.nr.: 01-2119949643-29	amines bis(C11-C14) alkyl tungstates ⚠ Aquatic Acute 1, H400 (M=1000); Aquatic Chronic 1, H410 (M=100); ⚠ Skin Sens. 1A, H317	≥0.025- <0.1%

SVHC

CAS: 74499-35-7 | phenol, 2-dodecyl-, branched

Additional information:

The addition of the highest concentrations listed here can result in a classification. Only if this classification is listed in section 2 does it apply. In all other cases the total concentration is below the classification. For the wording of the listed hazard phrases refer to section 16. For all ingredients, in which no REACH registration number has been specified, they are exempt from registration.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information: First aiders: Pay attention to self-protection!

After inhalation:

Supply fresh air; consult doctor in case of complaints.
Take affected persons into fresh air and keep quiet.

After skin contact:

After contact with skin, wash immediately with soap and water.
If skin irritation continues, consult a doctor.

After eye contact:

Rinse opened eye for several minutes under running water.
Remove any existing contact lenses if possible.
If irritation, blurred vision or swelling persists, seek medical advice from a specialist.

After swallowing:

Rinse mouth thoroughly with water.
If symptoms persist consult doctor.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

First aid, decontamination, symptomatic treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents: CO₂, powder or water spray. Fight larger fire with alcohol resistant foam.

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For safety reasons unsuitable extinguishing agents: Water with full jet

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

Carbon monoxide (CO), Carbon dioxide (CO₂), Nitrogen oxides (NO_x)

5.3 Advice for firefighters

Protective equipment: In case of fire: Use self-contained breathing apparatus.

Additional information

Collect contaminated fire fighting water separately. It must not enter the sewage system.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

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

6.2 Environmental precautions:

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Pick up mechanically.

Ensure adequate ventilation.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid oil mist formation

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

Particular risk of slipping due to leaking/spilled product.

Avoid contact with eyes and skin.

Information about fire - and explosion protection: No special measures required.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles:

Note Regulation on facilities for the storage, filling and handling water-polluting substances. ...

Keep container tightly closed in a dry, cool and well-ventilated place.

Information about storage in one common storage facility:

Do not store together with: Foodstuffs and animal feed, water.

Further information about storage conditions:

Storage in a collecting room is required.

Store only in original containers.

Storage at +5°C to +35°C. Keep away from frost!

Storage class: 10

7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

Oilfog and Oilfumes TLV-8h-TWA 5mg/m³

TLV-15min-STEL 10mg/m³

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Additional information:

The data sheets of the upstream suppliers and lists valid at the time of production serve as a basis.

8.2 Exposure controls

Appropriate engineering controls No further data; see section 7.

Individual protection measures, such as personal protective equipment

General protective and hygienic measures:

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Use skin protection cream for skin protection.

Do not carry product impregnated cleaning cloths in trouser pockets.

Respiratory protection:

Not necessary if room is well-ventilated.

Use suitable respiratory protective device in case of insufficient ventilation.

Hand protection



Protective gloves

Oil resistant gloves

Check protective gloves prior to each use for their proper condition.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Use gloves of stable material (e.g. Nitrile) - if necessary tricoted to improve the wearability.

Preventive skin protection by use of skin-protecting agents is recommended.

After use of gloves apply skin-cleaning agents and skin cosmetics.

Material of gloves

Nitrile

Recommended thickness of the material: ≥ 0.2 mm

Penetration time of glove material >480min

For the permanent contact in work areas without heightened risk of injury (e.g. Laboratory) gloves made of the following material are suitable:

Nitrile

For the permanent contact gloves made of the following materials are suitable: Nitrile

As protection from splashes gloves made of the following materials are suitable: Nitrile

Not suitable are gloves made of the following materials: Leather gloves

Eye/face protection Goggles recommended during refilling

Body protection: Protective work clothing

Environmental exposure controls

Avoid release into the environment. Do not allow uncontrolled release of the product into the environment.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Physical state

Liquid

Colour:

Brown

Odour:

Mineral-oil-like

Odour threshold:

Not determined.

Melting point/freezing point:

Undetermined.

Boiling point or initial boiling point and boiling range

Undetermined.

Flammability

Not applicable.

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Lower and upper explosion limit

Lower:	0.6 Vol %
Upper:	6.5 Vol %
Flash point:	222 °C (ISO 1523,3679,9038 &303)
Decomposition temperature:	Not determined.
pH	Not determined.
Viscosity:	
Kinematic viscosity at 100 °C	26.0 mm ² /s (DIN 51 562)
Kinematic at 40°C	174 mm ² /s (DIN 51 562)
Dynamic:	Not determined.
Solubility	
water:	Not miscible or difficult to mix.
Partition coefficient n-octanol/water (log value)	Not determined.
Vapour pressure:	Not determined.
Density and/or relative density	
Density at 15 °C:	0.847 g/cm ³ (DIN 51 757)
Relative density	Not determined.
Vapour density	Not determined.
Particle characteristics	Does not apply to liquids.

9.2 Other information

Appearance:	
Form:	Fluid
Important information on protection of health and environment, and on safety.	
Ignition temperature:	Product is not selfigniting.
Explosive properties:	Product does not present an explosion hazard.
Change in condition	
Drip point:	
Pour point	-39 °C (DIN ISO 3016)
Evaporation rate	Not determined.

Information with regard to physical hazard classes

Explosives	Void
Flammable gases	Void
Aerosols	Void
Oxidising gases	Void
Gases under pressure	Void
Flammable liquids	Void
Flammable solids	Void
Self-reactive substances and mixtures	Void
Pyrophoric liquids	Void
Pyrophoric solids	Void
Self-heating substances and mixtures	Void
Substances and mixtures, which emit flammable gases in contact with water	Void
Oxidising liquids	Void
Oxidising solids	Void
Organic peroxides	Void
Corrosive to metals	Void
Desensitised explosives	Void

SECTION 10: Stability and reactivity

10.1 Reactivity No further relevant information available.

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10.2 Chemical stability

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions Reacts with strong oxidising agents.

10.4 Conditions to avoid No further relevant information available.

10.5 Incompatible materials: Oxidising agent

10.6 Hazardous decomposition products:

Carbon monoxide

Carbon dioxide

SECTION 11: Toxicological information

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

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

LD/LC50 values relevant for classification:

CAS: 68037-01-4 1-Decene, homopolymer, hydrogenated

Oral	LD50 oral	>5,000 mg/kg (Rat)
Dermal	LD50 dermal	>2,000 mg/kg (Rat)
Inhalative	LC50/4h	5.2 mg/l (Rat)

Primary irritant effect:

Skin corrosion/irritation Based on available data, the classification criteria are not met.

Serious eye damage/irritation Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

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.

11.2 Information on other hazards

Endocrine disrupting properties

CAS: 74499-35-7 | phenol, 2-dodecyl-, branched

List I

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

The product spreads on the surface of the water, whereby small amounts can be dissolved. It forms a film on the surface that prevents oxygen exchange and can therefore lead to the death of organisms.

CAS: 68037-01-4 1-Decene, homopolymer, hydrogenated

LL50	>1,000 mg/l /(96h) (Fish)
EC50	>10,000 mg/L /(16h) (Activated sludge organisms)
EC50	>1,000 mg/l (Daphnia magna)

12.2 Persistence and degradability Not easily biodegradable

12.3 Bioaccumulative potential

Due to the distribution coefficient n-octanol/water, a significant accumulation in organisms is not to be expected.

12.4 Mobility in soil No further relevant information available.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Endocrine disrupting properties For information on endocrine disrupting properties see section 11.

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12.7 Other adverse effects

Remark:

Very toxic for fish

Toxic for fish

Additional ecological information:

General notes:

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

Also poisonous for fish and plankton in water bodies.

Very toxic for aquatic organisms

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation

When storing used mineral oil products, ensure that the categories for waste oil and mixing instructions are observed.

Delivery of waste oil to officially authorised collectors only.

Do not allow to enter drains or water courses.

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Waste disposal key:

Since 1 January 1999, the waste code numbers have not only been product-related but essentially application-related. The waste code number valid for the application can be found in the European Waste Catalogue

European waste catalogue

13 02 05*	mineral-based non-chlorinated engine, gear and lubricating oils
HP14	Ecotoxic

Uncleaned packaging:

Recommendation:

Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

Disposal must be made according to official regulations.

Allocation of the waste code numbers must be realized under considerations of existing sector specifics and processes.

The above allocation is a recommendation for the disposal of the product after recommended use.

SECTION 14: Transport information

14.1 UN number or ID number

ADR, IMDG, IATA

UN3082

14.2 UN proper shipping name

ADR

UN3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Organomolybdenum complex, amines bis(C11-C14) alkyl) tungstates)

IMDG

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Organomolybdenum complex, amines bis(C11-C14) alkyl) tungstates), MARINE POLLUTANT

IATA

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Organomolybdenum complex, amines bis(C11-C14) alkyl) tungstates)

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14.3 Transport hazard class(es)

ADR



Class

9 (M6) Miscellaneous dangerous substances and articles.

Label

9

IMDG, IATA



Class

9 Miscellaneous dangerous substances and articles.

Label

9

14.4 Packing group

ADR, IMDG, IATA

III

14.5 Environmental hazards:

Marine pollutant:

Symbol (fish and tree)

Special marking (ADR):

Symbol (fish and tree)

Special marking (IATA):

Symbol (fish and tree)

14.6 Special precautions for user

Warning: Miscellaneous dangerous substances and articles.

Hazard identification number (Kemler code):

90

EMS Number:

F-A,S-F

Stowage Category

A

14.7 Maritime transport in bulk according to IMO instruments

It is not the intention to carry out bulk transport.

Transport/Additional information:

ADR

Limited quantities (LQ)

5L

Excepted quantities (EQ)

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

Transport category

3

Tunnel restriction code

(-)

IMDG

Limited quantities (LQ)

5L

Excepted quantities (EQ)

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

UN "Model Regulation":

UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ORGANOMOLYBDENUM COMPLEX, AMINES BIS(C11-C14) ALKYL) TUNGSTATES), 9, III

EU

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SECTION 15: Regulatory information

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

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

Hazard pictograms



GHS09

Signal word Warning

Hazard statements

H400 Very toxic to aquatic life.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P273 Avoid release to the environment.

P391 Collect spillage.

Directive 2012/18/EU Named dangerous substances - ANNEX I: None of the ingredients are included.

Named dangerous substances - ANNEX I None of the ingredients is listed.

Seveso category E1 Hazardous to the Aquatic Environment

Qualifying quantity (tonnes) for the application of lower-tier requirements 100 t

Qualifying quantity (tonnes) for the application of upper-tier requirements 200 t

REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS
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None of the ingredients is listed.

Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

National regulations:

Information about limitation of use:

Employment restrictions concerning pregnant and lactating women must be observed.

Employment restrictions concerning juveniles must be observed.

Technical instructions (air):

Class Share in % Product is not listed by name. Note section 5.

Waterhazard class: Water hazard class 2 (Self-assessment): hazardous for water.

Other regulations, limitations and prohibitive regulations

Substances of very high concern (SVHC) according to REACH, Article 57
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CAS: 74499-35-7 phenol, 2-dodecyl-, branched
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15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases

- H304 May be fatal if swallowed and enters airways.
- H314 Causes severe skin burns and eye damage.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H360F May damage fertility.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.

Classification according to Regulation (EC) No 1272/2008

Hazardous to the aquatic environment - short-term (acute) aquatic hazard
Hazardous to the aquatic environment - long-term (chronic) aquatic hazard

The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

Department issuing SDS: product management

Contact: product management

Abbreviations and acronyms:

- ADR: Accord relatif au transport international 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 Harmonised 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 (division of the American Chemical Society)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- PBT: Persistent, Bioaccumulative and Toxic
- SVHC: Substances of Very High Concern
- vPvB: very Persistent and very Bioaccumulative
- Skin Corr. 1C: Skin corrosion/irritation – Category 1C
- Eye Dam. 1: Serious eye damage/eye irritation – Category 1
- Skin Sens. 1A: Skin sensitisation – Category 1A
- Repr. 1B: Reproductive toxicity – Category 1B
- Asp. Tox. 1: Aspiration hazard – Category 1
- Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
- Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
- Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2