

Trade name: APEROL
Date of manufacture: 01.10.2019
Date of change: 20.12.2022
Release: 2.0

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

1.1 Product identifier

Substance name

APEROL

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

Relevant identified uses

Supplement for diesel engines.

The product is used in general consumption and for professional use.

1.3 Details of the Supplier of the safety data sheet

1.3.1 Details of the supplier of the safety data sheet

Company: APEROL, Primož Hrastovec, s.p.
Address: Prekopa 46, 3305 Vransko, Slovenia

1.4 Emergency telephone number

Instructions in the event of a health threat: immediately consult a personal or on-call doctor, in the event of a life-threatening situation, call the Emergency Call - Information Center 112

Emergency telephone number of the manufacturer and/or supplier: +386 (0)68 173 577 (Monday to Friday from 8:00 a.m. to 4:00 p.m.)

ODDELEK 2: Hazards identification

2.1 Classification of the substance or mixture

2.1.1 Classification according to Regulation (EC) No. 1272/2008

The product is classified as dangerous according to the provisions of Regulation (EC) 1272/2008 (CLP) (and subsequent amendments and adaptations). Therefore, the product needs a safety data sheet in accordance with the provisions of Regulation (EC) 1907/2006 and subsequent amendments.

Flam. Liq. 3; H226
Asp.Tox.1; H304
STOT SE 3; H336
STOT RE 1 H372
Aquatic Chronic 2; H411

2.1.2 Additional information

Full text of hazard statements and EU hazard statements: see section 16.

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2.2 Label elements

2.2.1 Labelling in accordance with Regulation (EC) No. 1272/2008

Hazard pictograms:



Signal word **DANGER**

Hazard statements:

H304 - May be fatal if swallowed and enters airways.
H226 - Flammable liquid and vapour.
H336 - May cause drowsiness or dizziness.
H372 - Causes damage to organs through prolonged or repeated exposure / Central Nervous System
H411 - Toxic to aquatic life with long lasting effects.
EUH066 Repeated exposure may cause skin dryness or cracking.

Precautionary statements:

P101 - If medical advice is needed, have product container or label at hand.
P102 - Keep out of the reach of children.
P210 - Keep away from heat/sparks/open flames/hot surfaces. — No smoking.
P260 – Do not breathe dust/fume/gas/mist/vapours/spray.
P331 - DO NOT induce vomiting.
P501 - Dispose of contents/container via authorized disposal agents.

Additional hazard information (EU):

Hazardous substances that must be listed on the label:

Contains: Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

2.3 Other hazards

The product contains organic solvents.

Substance meets the criteria for PvB according to Regulation (EC) No 1907/2006.

Not eligible.

Substance meets the criteria for vPvB according to Regulation (EC) No 1907/2006.

Not eligible.

ODDELEK 3: Composition/information on ingredients

3.1 Substances

Not applicable.

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3.2 Mixtures

Substance name	CAS No EC No. Index No	Reg. No. REACH	m/m %	Classification according to Regulation (EC) No. 1272/2008
hydrocarbons, C9- C12, n-alkanes, isoalkanes, cyclic, aromatics (2-25%)	- 919-446-0 -	01- 2119458049- 33	50 - 98	Flam. Liq. 3; H226 Asp.Tox.1; H304 STOT SE 3; H336 STOT RE 1 H372 Aquatic Chronic 2; H411
Mineral oil with additives	/	/	2- 10	/

The text of the mentioned instructions for hazards can be seen in section 16.
See sections 8, 11, 12, 15 and 16 for more information on risk associated with substances.

ODDELEK 4: First aid measures

4.1 Description of first aid measures

General advice:

Show this safety data sheet or packaging label to your doctor.
Do not let the casualty without care.

Eye contact:

Wash off with soap and plenty of water at least 15 minutes. Remove contact lenses, if present and easy to do. During the flushing should be eye wide open. If symptoms occur, seek the advice of a physician.

By contact with skin:

Take off immediately all contaminated clothing. Wash skin with soap and water. No use organic solvents or thinners.

After swallowing:

Do not give anything by mouth to an unconscious person. If the person is conscious, rinse her mouth with water, spit out the water. Induce vomiting only as directed by your doctor. If symptoms occur, seek the advice of a physician. Avoid aspiration of the product into the lungs.

In case of inhaling:

Move the person to fresh air, put him in a semi-recumbent position and calm him down. In case of respiratory arrest, provide artificial respiration. If dizziness, headache, or nausea occur, seek medical advice, and in case of unconsciousness, transport the victim to the hospital in a lateral position and maintain the patency of the airways.

4.2 Most important symptoms and effects, both acute and delayed

Skin contact:

Prolonged exposure (contact) with the product causes fat dissolution in the skin, which can cause skin inflammation.

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Eye contact:

Reddening eyes, watery eyes and slight irritation.

Inhalation:

Headache, drowsiness, weakness, poor coordination, dizziness. High concentrations can affect the central nervous system and cause drowsiness, dizziness, nausea, headache, loss of consciousness. Long-term or repeated exposure may cause effects on the kidneys and liver

Ingestion:

Ingestion of large quantities may cause nausea, vomiting and diarrhea in sensitive individuals. Signs and symptoms include abdominal pain, nausea which may lead to vomiting.

4.3 Indication of any immediate medical attention and special treatment

- No data available.

ODDELEK 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media:

Extinguishing media are: carbon dioxide, foam, chemical powder, inert gas FM 200 or INERGEN (for extinguishing started fires), water fog. For dispersed and spilled material that has not ignited, a water spray can be used to disperse flammable vapours and protect persons employed in containing the spilled material.

Unsuitable extinguishing media:

Do not use water jets. Water is not effective for extinguishing fires, but it can be used to cool closed containers that are exposed to flames and thus prevent cracks and explosions. Remove all possible sources of ignition: open flames, lit cigarettes, sparks from tools and equipment. Close product packages.

5.2 Special hazards arising from the substance or mixture

Fire in the direction of the wind. Cool non-flammable containers with the product with sprayed water and move them to a safe place. There is a possibility that harmful gases and thick smoke may develop during a fire. Mandatory use of a protective mask with filter A.

5.3 Advice for firefighters

Protective measures:

Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Use water to cool sealed containers.

Protective equipment:

Self-contained compressed air fire extinguisher, complete firefighting equipment for body protection.

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ODDELEK 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel

Avoid contact with eyes and skin. Wear personal protective equipment. Unauthorized persons keep in a safe distance. Ensure good ventilation. In the event of an accident protect the location, evacuate staff who are not involved in restoration.

6.1.2 Advice for fire-fighters

Personal protective clothing for firefighters should be in accordance with Section 5 of this document. Personal protective equipment of other emergency personnel must be in accordance with Section 8 of this document.

6.2 Environmental precautions

Prevent the product from entering sewers, surface water, and ground water. Prevent further leakage or release / spillage if safe to do so. If there is a greater contamination of rivers or lakes or sewers, immediately contact the Information Centre.

6.3 Methods and material for containment and cleaning up

Vacuum the spilled product into a suitable container. If the preparation is flammable, use devices that do not cause explosions. Assess the compatibility of the container you intend to use for the preparation, see section 10 for this. Absorb the remainder with a non-harmful absorbent material. Ensure that there is sufficient ventilation in the area where the spill occurred. The disposal of contaminated material must be carried out in accordance with the provisions of section 13.

6.4 Reference to other sections

Handling and storage see section 7

Personal protective equipment see section 8

Waste treatment see section 13

ODDELEK 7: Handling and storage

7.1 Precautions for safe handling

Keep away from heat, sparks, open flames, do not smoke, do not use matches and lighters. Without adequate ventilation, vapours can accumulate near the ground and ignite remotely if ignition occurs, with flashback. Avoid static electricity. Do not eat, drink or smoke during use. Before entering the areas where you will eat, remove contaminated clothing and protective equipment. Prevent the release of the preparation into the environment.

Protective measures:

Product vapours may form flammable/explosive vapor/air mixtures when used. A static charge may occur during pumping. Discharge of static electricity can cause fire.

When streaming larger quantities, ensure conductivity by bonding and grounding all equipment. Avoid contact with hot bodies, sparks, flames and sources of ignition.

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Measures to prevent fire

Ensure good ventilation.

Measures for environmental protection:

When the product is not used, it is necessary to have the container tightly closed and stored in upright position. Avoid that the product comes into waterways, sewer or drainage system through the use of dams and sand and with an overlap of outlets with plastic wrap.

7.2 Conditions for safe storage, including any incompatibilities

Store only in original containers. Store in a cool and well-ventilated area, keep away from heat, open flames, sparks and other sources of ignition. Store containers away from potentially incompatible materials, see section 10.

Technical measures and storage conditions:

SUITABLE FOR:

Store in well-closed containers in a cool and ventilated area. Prevent the formation of static electricity.

NOT SUITABLE:

Storage in the room together with chemicals (oxidants, acids) can cause fire. There must be no tools or machines that are a source of sparks in the storage area. Store in an upright position.

Storage class:

Additional information on storage conditions:

3A: Flammable liquid chemicals

7.3 Specific end use(s)

Packaging materials:

RECOMMENDED: Use metal, protected packaging.

NOT SUITABLE: Do not use butyl, nitrile and natural rubbers for longer storage. Due to the possibility of the creation of an explosive vapor atmosphere do not cut the solvent empty packaging.

ODDELEK 8: Exposure controls/personal protection

8.1 Control parameters

8.1.1 Workplace Exposure Limit

The product does not contain significant amounts of substances with limit values that must be controlled at the workplace.

8.2 Exposure controls

Given that suitable technical solutions must take precedence over personal protective equipment, good ventilation at the workplace with an efficient local aspirator must be ensured.

Appropriate engineering controls:

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8.2.1 Personal protective equipment

Eye and face protection:

For lower concentrations in the air, wear protective glasses, and for higher concentrations, a full-face protective mask.

Where the risk assessment indicates, it is necessary to use protective glasses that comply with the approved standard. If there is a chance of contact, it is necessary to wear chemical protective glasses in accordance with EN 166:2002 - Personal eye protection - Specifications and marking of safety glasses (TYPE 3).

Recommended: safety glasses with side shields; the choice should be in accordance with the application of the product and should correspond to the risk assessment.

Skin protection:

Under normal conditions, wear cotton clothing and suitable footwear. If there is a high possibility of spillage, use chemical-resistant clothing and footwear (PVC, rubber).

If there is a risk of ignition due to static electricity, antistatic protective clothing must be worn. To protect against static discharges, wear antistatic clothing made of natural fibers (cotton) or heat-resistant synthetic fibres. For additional information on materials, purpose, and test methods, see the European standard EN 1149-5:2008/ Protective clothing. Choose the type of clothing according to the application of the product or according to the risk assessment.

Hand protection:

Longer contact: > 8 hours (time to remove the barrier): Viton® (> 0.7 mm).

Shorter contact: <1 hour (time to remove the obstacle): Chloroprene, Nitrile rubber (0.2 mm).

It should be noted that the breakthrough time of any glove material varies from manufacturer to manufacturer. In the case of multi-substance mixtures, it is impossible to accurately estimate the time of protection with gloves.

Use protective gloves in accordance with EN 374-1:2003 to SIST EN 374-4:2014.

Respiratory protection:

When using in closed spaces, long-term work, wear a full-face protective mask with filter "A". If the concentration of oxygen in the air of the working area falls below 17%, use a self-contained breathing apparatus with an open circuit for compressed air.

Use a respirator in accordance with EN 136: 1998/AC:2004

Respiratory protective equipment.

ODDELEK 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance, overall condition	liquid
Odor	After organic solvents
Odor limit values	Data not available
pH	Data not available
Melting/freezing point	Data not available

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Initial boiling point and boiling range;	Data not available
Flash point	38 °C; calculation method, based on component data; Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)
Evaporation rate	Data not available
Flammability (solid, gas)	Flammable liquid and vapor.
The upper limit of flammability or explosion	Data not available
The lower limit of flammability or explosion	Data not available
Vapor pressure	Data not available
Vapour density	Data not available
Relative density	0,77 - 0,79 ISO 2811
Solubility in water	Insignificant; 0-1%
Partition coefficient: n-octanol/water	Data not available
Self-ignition temperature	Data not available
Decomposition temperature;	Data not available
Viscosity	Data not available

9.2 Other information

Total solids: 0 wt. %
Organic solvents: 100 wt. %
Water content: 0 wt. %

ODDELEK 10: Stability and reactivity

10.1 Reactivity

Stable - when used according to instructions.

10.2 Chemical stability

The material is stable in a normal environment and under the expected temperature and pressure conditions of storage and handling.

10.3 Possibility of hazardous reactions

Presence of open flames or hazardous materials. Avoid contact of the product with heat, sparks, flames, and other sources of ignition.

10.4 Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames, and other sources of ignition. No smoking.

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10.5 Incompatible materials

The product is non-reactive and compatible with most substances, except for extreme oxidants. Store in original packaging. Do not mix with other products.

10.6 Hazardous decomposition products

No data available.

ODDELEK 11: Toxicological information

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

11.1.1 Acute toxicity

- No data available.

11.1.2 Skin corrosion/irritation.

- No data available.

11.1.3 Serious eye damage/irritation.

- No data available.

11.1.4 Respiratory or skin sensitisation.

- No data available.

11.1.5 Germ cell mutagenicity.

- No data available.

11.1.6 Carcinogenicity

- No data available.

11.1.7 Toxicity for reproduction

- No data available.

11.1.8 STOT-single exposure.

May cause drowsiness or dizziness. Use only outside or in a well-ventilated area.

11.1.9 STOT-repeated exposure.

- No data available.

11.1.10 Inhalation hazard

The product contains components that cause a hazard by inhalation (aspiration toxicity), but their content in the product is lower, so classification is not necessary.

11.2 Information on other hazards

No data.

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ODDELEK 12: Ecological information

12.1 Toxicity

No data available.

12.2 Persistence and degradability

No data available.

12.3 Bioaccumulative potential

No data available.

12.4 Mobility in the soil

No data available.

12.5 Results of PBT and vPvB assessment

This mixture does not contain substances which were assessed as PBT or vPvB.

12.6 Endocrine disrupting properties

No data available.

12.7 Other adverse effects

Based on the classification of the components, the product is classified as a chemical that can have long-term toxic effects on the aquatic environment.

ODDELEK 13: Disposal

13.1 Waste treatment methods

Remains of the product that has expired and used contaminated empty packaging must be handed over to an authorized collector and disposer of hazardous waste. It is strictly forbidden to pour the product into sewers, waters, and drains.

Waste classification number: 08 01 11*

Hazardous waste property: H3-B

Contaminated packaging

If its restoration and reuse are not rationally feasible, the packaging is preferentially recycled or disposed of only at special landfills (Regulations on the handling of packaging and waste packaging).

ODDELEK 14: Transport information

14.1 UN number

1263

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14.2 UN proper shipping name Transport by road/rail (ADR/RID):

PAINT RELATED MATERIAL

14.3 Transport hazard class(es)

3

Hazard label:



Hazard number: 30

Code limits for tunnels: (D/E)

14.4 Packing group

III.

14.5 Environmental hazards

It is classified as dangerous for the environment.

14.6 Special precautions for user

Always transport in closed, upright and safe containers. Ensure that persons transporting the product are aware of what to do in the event of an accident or spill.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

ODDELEK 15: SECTION 15: Regulatory information

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

This safety data sheet is prepared in accordance with the umbrella chemical legislation - the REACH regulation and the Chemicals Act.

15.2 Chemical safety assessment

The supplier has not made a chemical safety assessment for this substance/mixture.

ODDELEK 16: Other information

Notations and abbreviated terms

Flam. Liq. – Flammable liquid

Asp. Tox. - Aspiration hazard

STOT SE - Specific target organ toxicity - single exposure

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STOT RE - Specific target organ toxicity - repeated exposure
Aquatic Chronic - Hazardous to the aquatic environment, chronic

Abbreviations and acronyms:

ACGIH - American Conference of Governmental Industrial Hygienists
ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road
CLP - Regulation on Classification, Labelling and Packaging of Substances and Mixtures
IATA - DGR - International Air Transport Association - Dangerous Goods Regulations
ICAO - TI - International Civil Aviation Organization - Technical Instructions
IMDG - International Maritime Code for Dangerous Goods
LTV - Long Term Value
NIOSH - National Institute for Occupational Safety and Health
OSHA - Occupational Safety & Health Administration
PBT - Persistent, Bioaccumulative and Toxic
RID - Regulation concerning the International Carriage of Dangerous Goods by Rail
STV - Short Term Value
SVHC - Substances of Very High Concern
vPvB - very Persistent, very Bioaccumulativ

Key literature references and sources for data

Material safety data sheet of substance: hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclic, aromatics (2-25%), REACH regulations and CLP regulations

Changes to the safety data sheet

Section 2.1 – added STOT RE 1 H372, Section 2.2. - added H373; Section 11 and 12 – according to the EC 2020/878

Additional data

The contents of the safety data sheet are prepared based on currently available knowledge and only in order to describe the product in terms of safety requirements. We are not responsible for the consequences of improper handling or misinterpretation of the information provided. This safety data sheet supersedes all previous editions.