



SAFETY DATA SHEET

Comply with regulation 453/2010 - REACH

KENNOL REVOLUTION 0W30

Replaces version 16/03/2017

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SECTION 1 - IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

- Product name: **KENNOL REVOLUTION 0W30**

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

- Commercial use: 4 Stroke motor oil (for more details, please report back to the technical manual)

1.3. Details of the supplier of the Safety Data Sheet

- Fournisseur **ACCOR LUBRIFIANTS SA**

Adresse : 8 Rue du Mans - BP 30406 - 49304 CHOLET CEDEX

Téléphone : 02.41.75.26.70

Télécopie : 02.41.62.67.02

Contact e-mail : emilie.auribault@accor-lubrifiants.com

1.4. Emergency telephone number

In France, the valid emergency number is the ORFILA (INRS) number: + 33 (0)1 45 42 59 59. This telephone number gives contacts of all French poison centers ("centres anti-poison et de toxicovigilance"). These information centers provide you with free medical advice (except the cost of call), 24 hours a day, 7 days a week. For the information related to other countries, see the web page dedicated to national helpdesks of the ECHA website (European Chemicals Agency) that lists all the information by country:

<http://echa.europa.eu/web/guest/support/helpdesks/national-helpdesks/list-of-national-helpdesks>

SECTION 2 - HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification CE 1272/2008 (CLP)

This product does not meet these classification requirements.



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2.2. Label elements

Label Conforms to Norm (CE) N° 1272/2008 (CLP) :

Hazard pictogram(s):

None

Signal word(s): None

Hazard statement(s):

None

Supplemental Hazard information:

EUH208 – Contains Methyl-C20-24-alkylbenzenesulfonic acid, branched, calcium. May produce an allergic reaction

Precautionary statement(s) – Prevention

P102 – Keep out of reach of children

Precautionary statement(s) - Intervention

None

Precautionary advice- Storage

None

Precautionary advice - Elimination

P501 - Dispose of contents/container to a hazardous waste collection center, as per national regulation

2.3. Other hazards

Flammable and combustible product if heated.

The oil mist may irritate eyes and breathing apparatus.

Prolonged and frequent contact may dry and irritate the skin and cause a rash.

The used oil can contain dangerous impurities.

Possibility of soil and groundwater contamination.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

3.2. Mixtures



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- Chemical nature: Product formulated from base oils and additives

- Dangerous components:

| COMPONENTS | Percentage (in weight) | CLP Classification (EC) No 1272/2008 | NUMBERS |
|---|---------------------------|---|--|
| | | | INDEX CE CAS Registration |
| PAO 4 - 1-Decene, homopolymer, hydrogenated | < 70 % | Asp. Tox. 1; H304 | 68037-01-4 500-183-1 01-2119486452-34 |
| Petroleum base oil | < 20 % | Not classified | Mixture (*) |
| Amines, polyéthylène poly-, produits de réaction avec 1,3- dioxolan-2-one et dérivés d'anhydride succiniques monopolybutényliques | < 4 % | Aquatic Chronic 4 ; H413 | 604-611-9 147880-09-9 - |
| Acide phosphorodithioïque, mélangé avec des esters O,O- bis(sec-Bu et 1,3- diméthylbutyliques), sels de zinc | < 1.5 % | Aquatic Chronic 2 ; H411 Eye Dam. 1; H318 | 272-238-5 68784-31-6 01-2119657973-23-0000 |
| Acide benzènesulfonique, méthyle-, dérivés de mono- C20-24-ramifié alkylé, sels de calcium | < 1.5 % | Aquatic Chronic 4 ; H413 Skin Sens. 1B; H317 | - 722503-68-6 - |

(*)Mixture: Contains one or several EINECS numbers as follows: 265-090-8, 265-091-3, 265-096-0, 265-097-6, 265-098-1, 265-101-6, 265-155-0, 265-156-6, 265-157-1, 265-158-7, 265-159-2, 265-160-8, 265-161-3, 265-166-0, 265-169-7, 265-176-5, 276-735-8, 276-736-3, 276-737-9, 276-738-4, 278-012-2, 309-878-2.

Other information

This product is a petroleum product. DMSO extract < 3 % in weight (IP 346)

The whole of the text of risk phrases and hazard statements of this section 3 appears in Section 16.

SECTION 4 - FIRST AID MEASURES



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4.1. Description of first aid measures

If feeling unwell seriously or persistently, immediately seek medical attention

Inhalation:

Move the subject away from the polluted area.

Take affected person into fresh air and keep quiet.

In case of unconsciousness place patient stably in side position for transportation.

In the event of faintness, consult a doctor.

Skin contact:

Wash the skin with soap and water.

In case of persistent irritation of the skin, consult a doctor.

Wash contaminated clothing before reuse.

Eye contact:

Rinse out with plenty of water for at least 30 minutes with the eyelid held wide open. Consult an ophthalmologist if the irritation persists.

Ingestion:

DO NOT INDUCE VOMITING: seek medical or poison center advice immediately.

Move the person who is vomiting from his back onto his side.

Self-protection of the first aider:

When providing first aid, protect yourself against the exposure to chemicals or blood-borne diseases wearing gloves, masks as well as eye protection equipment. After performing first aid, wash the exposed skin with soap and water.

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

See section 11.

4.3. Indication of any immediate medical attention and special treatment needed



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Note to physician: treat symptomatically.

SECTION 5 - FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media: CO2, dry powder, resistant foam; the water can be used to cool and protect product containers exposed.

Unsuitable extinguishing media for safety reason: full water jet.

5.2. Special hazards arising from the substance or mixture

For more information, see section 10.

5.3. Advice for firefighters

It is recommended to wear self-contained breathing apparatus. Water can splash close elements. Use water to cool exposed containers.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal protective equipment must be worn. Avoid all contact with skin. If the spill occurs in a closed environment or other area with poor ventilation, ventilate before entering the area.

6.2. Environmental precautions

Do not allow product to reach sewage system or any water course.
Inform respective authorities in case product reaches water or sewage system.
Do not discharge into the drains/surface waters/groundwater.

6.3. Methods and material for containment and cleaning up

Soak up to recycle and/or dispose of. The remaining liquid can be absorbed with inert material.

6.4. Reference to other sections

To obtain information about safe handling, please see chapter 7.
To obtain information about personal protective equipment, please see chapter 8.
To obtain information about elimination, please see chapter 13.

SECTION 7 - HANDLING AND STORAGE



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7.1. Precautions for safe handling

Do not eat, drink or smoke when using this product.

Keep containers closed when unused. Do not discharge into drains or the environment, dispose of this product to an officially approved waste collection center. Use appropriate containment to avoid environmental contamination. Avoid skin contact. Wash thoroughly after handling. Wash contaminated clothing before reuse. Empty containers retain product residue that may present product hazards. Dispose of packaging and containers according to local, regional, national and international regulations.

Pumping temperature

Ambient

Maximal handling temperature

70 °C, 158 °F

Maximal loading temperature

Not defined.

7.2. Conditions for safe storage, including any incompatibilities

Take precautions to avoid all release in the environment. To know incompatible materials, see section 10.

Maximal preservation temperature

45 °C, 113 °F

7.3. Specific end use(s)

No other important information available.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limit values:

Where conditions are created for the formation of mists, check the PEL of 5 mg by cubic meter of OSHA and TWA of 5mg by cubic meter of ACGIH to control possible oil mists.

Recommended control procedures: this product contains ingredients presenting exposure limits, the working atmosphere or living organisms can be necessary to determine the efficiency of ventilation or other control measures and/or the necessity to use breathing apparatus. It is worth to mention to the European EN 689 norm referring to methods to evaluate the exposure by inhalation to chemical agents and to documents of general national policy referring to methods to determine hazardous substances.

8.2. Exposure controls



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The appropriate control measures for a particular workplace depend on the way the product is used and on potential exposure.

Personal protective equipment:

The product must be handled in closed containers and equipment, in which case mechanical local ventilation should be sufficient. Local exhaust ventilation should be used in places where dusts, mists, steam or gas may leak in the local atmosphere.

Eye/face protection

Protective goggles.

Skin protection

Nitrile.

Long sleeve shirts are recommended. Use a chemical protection apron if contact with this product can happen. When working with the product heated, use an insulated apron or an insulated chemical protection garment. Wash the contaminated clothing before reuse.

Breathing protection

Use a respirator combined with an organic vapor cartridge as well as a very efficient filter if the exposure limit recommended is exceeded.

Use an insulated breathing apparatus to penetrate in confined space and other spaces poorly ventilated and for decontamination zones where big quantities have been spread.

Hygiene measures

Wash yourself thoroughly after handling this product.

Environmental exposure controls

For more details, see section 6

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

9.1. Appearance

Aspect: Liquid

Density at 20°C (g/cm³): 0,845

Colour: Ambre

Viscosity at 40°C (mm²/s): 66

Smell: oil feature

Flash point (closed beaker) (°C): > 170°C

Flow point (°C): < -40

Ignition temperature: Not identified.

Steam pressure at 20°C: Not identified.

Partition coefficient (n-octanol/water): Not identified.

Explosive properties: This product is not known to be explosive.

Oxidizing properties: This product is a non-oxidizing substance.



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9.2. Other information

No other important information available.

SECTION 10 - STABILITY AND REACTIVITY

10.1. Reactivity

Carefully consider all information provided in sections 10.2 to 10.6.

10.2. Chemical stability

This product is normally stable with low temperatures and is not decomposed by water.

10.3. Possibility of hazardous reactions

Dangerous reactions: none when used normally.

Dangerous properties: none when used normally.

10.4. Conditions to avoid

High temperature. Excessive heat.

10.5. Incompatible materials

Strong acids. Oxidizing agents.

10.6. Hazardous decomposition products

Smoke, carbon monoxide, carbon dioxide, hydrogen sulphide, aldehydes, alkylmercaptans and other products with incomplete combustion.

SECTION 11 - TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Product

Acute oral toxicity: there is no available information for the product itself.

Acute inhalation toxicity: there is no available information for the product itself.

Acute dermal toxicity: there is no available information for the product itself.

Skin corrosion/irritation: there is no available information for the product itself.

Serious eye damage/eye irritation: The determination of the risk of eye irritation is based on the evaluation of available data on similar products. These data show that a component of the product has an antagonistic effect on (or reduces the severity of) eye irritation caused by ZnDTP.



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Respiratory or skin sensitization: This product is not expected to cause allergic skin reaction.

Germ cell mutagenicity

In vitro genotoxicity: there is no available information for the product itself.

In vivo genotoxicity: there is no available information for the product itself.

Carcinogenicity: there is no available information for the product itself.

Toxicity for the reproduction: there is no available information for the product itself.

Specific target organ toxicity - unique exposure:

Evaluation: there is no available information for the product itself.

Specific target organ toxicity – repeated exposure:

Evaluation: there is no available information for the product itself.

Toxicity by aspiration: there is no available information for the product itself.

SECTION 12 - ECOLOGICAL INFORMATION

12.1. Toxicity

The mixture has not been tested, application of the conventional methods from components.

As for the mixture:

Acute toxicity (short term) – Fish: not data available

Acute toxicity (short term) – Shellfish: not data available

Acute toxicity (short term) – Seaweed/aquatic plants: not data available

Acute toxicity (short term) – Other organisms: not data available

Chronic toxicity (long term) – Fish: not data available

Chronic toxicity (long term) – Shellfish: not data available

Chronic toxicity (long term) – Seaweed/aquatic plants: not data available

Chronic toxicity (long term) – Other organisms: not data available

Referring to substances that compose the mixture:

Pertroleum base oil:

Very low toxicity:

Acute toxicity for the aquatic environment:

fish: LL50/96h > 100 mg/L; NOEL/96h >= 100 mg/L (OECD 203)

shellfish EL50/24-48h; NOEL/48-96h; LL50/24-96h > 10 000 mg/L (OECD 202)

seaweed: NOEL/72h >= 100 mg/L (OECD 201)

Chronic toxicity for the aquatic environment: shellfish: NOEL/21d = 10 mg/L (OECD 211)



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12.1.2 Toxicity towards other organisms

As for the mixture: has not been a subject of a specific test

As for the components:

Petroleum base oil:

Very low toxicity. Toxicity for microorganisms: NOEL/10min > 1.93 mg/L (DIN 38412, DIN38409)

12.2 Persistence and degradability

12.2.1 Biodegradability

As for the mixture: has not been a subject of a specific test

As for components:

Petroleum base oil:

Not easily degradable (OECD301B).

12.2.2 Chemical degradation

As for the mixture: has not been a subject of a specific test

As for components:

Petroleum base oil:

Not easily degradable

12.3 Bioaccumulative potential

As for the mixture: has not been a subject of a specific test

As for the components:

Petroleum base oil:

It is possible that hydrocarbons (base-oil) accumulate (log Kow > 6).

12.4 Mobility in soil

As for the mixture: has not been a subject of a specific test

As for the components:

Petroleum base oil:

The product is water-insoluble and mainly non-volatile. The product may penetrate soil until reaching groundwater surface. The degradation is going extremely slow in anaerobic conditions. Hydrocarbons (base oil) may be absorbed by soils organic material or sediments (log Kow > 6).



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12.5 Results of PBT and vPvB assessment

As for the mixture: has not been a subject of a specific test

As for the components:

Petroleum base oil:

This substance is not considered as persistent, neither bioaccumulative nor toxic (PBT). This substance is not considered as very persistent or very bioaccumulative (vPvB). (anthracene < 0.1 %)

12.6 Other adverse effects

As for the mixture: has not been a subject of a specific test

As for the components:

Petroleum base oil:

The information given is based on data taken up from products with similar substances.

SECTION 13 - DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

· Recommendation:

Must not be disposed together with household waste.

· Waste disposal:

Do not allow product to reach sewage system.

Dispose of this material and its container at hazardous or special waste collection point. Dispose in a safe manner in accordance with local/national regulations.

SECTION 14 - TRANSPORT INFORMATION

14.1. UN number

ADR, IMDG, IATA: Not regulated

14.2. UN proper shipping name

· ADR

Not regulated

· IMDG

Not regulated

· IATA

Not regulated



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14.3. Transport hazard class(es)

· ADR

Not regulated

· IMDG, IATA

Not regulated

14.4. Packing group

Not regulated

14.5. Environmental hazards

Not applicable

14.6. Special precautions for user

Individual precautions: The driver should not take action in case of cargo fire.

Keep public away from danger area.

IMMEDIATELY CONTACT POLICE AND FIREMEN.

Other information: None.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code"

Not identified.

SECTION 15 - REGULATORY INFORMATION

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

Be ensured that all notation or local regulations are observed.

European regulatory guidelines:

- Regulation (CE) n° 1907/2006 of the European Parliament and of the Council of 18 December 2006 for Registration, Evaluation, Authorisation and Restriction of Chemical substances, as well as restrictions applicable to these substances (REACH), and establishing a European Chemicals Agency modifying directive 1999/45/CE and repealing Commission Regulation (CEE) n° 793/93 of Council Regulation (CE) n° 1488/94 of the Commission as well as directive 76/769/CEE of Council and directives 91/155/CEE, 93/67/CEE, 93/105/CE and 2000/21/CE of the Commission, with modifications.
- Regulation (CE) n° 1272/2008 of the European Parliament and of the Council of 16 December 2008 for classification, labelling and packaging of substances and mixtures, modifying and repealing directives 67/548/CEE and 1999/45/CE and modifying the regulation (CE) n° 1907/2006, with modifications.



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15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16 - OTHER INFORMATION

Indication of changes

Sections 1: name product: 14/11/2017

Symbols and hazard phrases used in this document section 3:

H304 May be fatal if swallowed and enters airways.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H411 Toxic to aquatic life with long lasting effects.

H413 May cause long lasting harmful effects to aquatic life.

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