



SAFETY DATA SHEET

According to E.C. Regulation 453-2010

KENNOL EASYSHIFT 75W90

Replace the version of 27/07/2015

MSDS:210-196450-040719

04/07/2019

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

1.1. Product identifier

- Product name: **KENNOL EASYSHIFT 75W90**

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

- Commercial use: Transmission 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 : jerome.poulain@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)

H317 – May cause an allergic skin reaction – categorie 1 – (CLP Skin Sens. 1)

H319 - Causes serious eye irritation– category 2 - (CLP Eye Irrit. 2)

Classification (1999/45/CEE)

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):



Signal word(s): ATTENTION

Hazard statement(s):

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

Supplemental Hazard information:

CONTAINS: « Polysulfides, di-tert-Bu » (n°CE : 273-103-3)

CONTAINS: "Reaction products of 4-methyl-2-pentanol and diphosphorus pentasulfide, propoxylated, esterified with diphosphorus pentoxide, and salted by amines, C12-14- tert-alkyl" (N°CE : 931-384-6)

Precautionary statement(s) – Prevention

P101 - If medical advice is needed, have product container or label at hand

P102 – Keep out of reach of children

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P261 – Avoid breathing vapours

Precautionary statement(s) - Intervention

P302 + P352 – IF ON SKIN: wash with plenty of soap and water

P333 + P313 If skin irritation or rash occurs: get medical advice/attention

P305+351+338 - IF IN EYES: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P337+P313 – If eye irritation persists: get medical advice/attention

P363 – Wash contaminated clothing before reuse

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.



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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

- 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
Petroleum base oil	< 60 %	-	Mixture (*)
Petroleum base oil	< 50 %	Asp. Tox. 1; H304	Mixture (**)
Polysulfides, di-tert-Bu	< 5 %	Aquatic Chronic 3; H412 Skin Sens. 1B; H317	- 273-103-3 - 01-2119540515-43
Reaction products of 4-methyl-2-pentanol and diphosphorus pentasulfide, propoxylated, esterified with diphosphorus pentoxide, and salted by amines, C12-14- tert-alkyl	< 2 %	Acute Tox. 4; H302 Aquatic Chronic 2; H411 Eye Dam. 1; H318 Skin Sens. 1; H317	- 931-384-6 - 01-2119493620-38
O,O,O-triphenyl phosphorothioate	< 0.5 %	Aquatic Chronic 4; H413 Repr. 2; H361	- 209-909-9 - (***)

(*)Mixture: Draining of diverse oils that may contain 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.

(**) Mixture: Draining of diverse oils that may contain one or several numbers as follows: N°CE 276-738-4 (registration: 01-2119474889-13), 265-157-1 (registration: 01-2119484627-25), N° CE 265-169-7 (registration 01-2119471299-27), N° CE 265-158-7 (registration 01-2119487077-29), N° CE 265-159-2 (registration 01-2119480132-48), N° CE 265-091-3 (registration 01-2119487067-30)

(***)Not available or the registration of this substance is not currently required under REACH



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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

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.



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

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.



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SECTION 7 - HANDLING AND STORAGE

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 identified

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.



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8.2. Exposure controls

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

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): 0,865

Colour: Amber

Viscosity at 40°C (mm²/s): 75

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. Température élevée. Excessive heat.

10.5. Incompatible materials

Strong acids. Oxidizing agents.

10.6. Hazardous decomposition products

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

SECTION 11 - TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Toxicological information referred to ingredients.

Petroleum base oil:

Acute toxicity

Contains base oil where acute toxicity is:

DL50/oral/rat = > 5000 mg/kg (OECD 401).

DL50/cutaneous/rabbit = > 2000 mg/kg (OECD 402).

CL50/inhalation/4h/rat = > 2.18 mg/L (OECD 403).



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Inhalation

There is no available data to indicate that this product or its components may present a toxic danger by inhalation.

Corrosion / skin irritation

This product should not be primary irritating for the skin. According to components data or similar materials. The prolonged or repeated skin contact, for instance with clothing moisten with this material may cause dermatitis. Symptoms may be red patches, oedema, dryness and skin crack.

Important lesions/Acute eye irritation

The steam formed by the heat may induce eye irritation.

Breathing irritation

If the product is under the shape of mist or if steam is produced by heating, the exposure may induce irritation of mucus membranes or upper respiratory tract. According to components data or similar materials.

Breathing and skin awareness

Skin

There is no available data to indicate that this product or its components can present a skin reaction.

Breathing

There is no available data to indicate that this product or its components can present a respiratory tract reaction.

Germ cell mutagenicity

There is no available data to indicate that this product or its components present at more than 0.1% are mutagenic or genotoxic.

Carcinogenicity

This product contains mineral oils considered as extremely refined and are not considered as cancerogenic by the CIRC.

All oils in the product contain less than 3% of products removable by the IP346 test.

Genital toxicity

There is no available data to indicate that this product or its components present at more than 0.1% are genotoxic.

Repeated STOT exposure

There is no available data to indicate that this product presents a specific toxicity for some target organs when repeated exposure.

Other information

No other hazards known for the health.



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SECTION 12 - ECOLOGICAL INFORMATION

12.1. Toxicity

This mixture has not been tested, application of the conventional method from components.

As for the mixture:

Acute toxicity (short term) – Fish: no available data

Acute toxicity (short term) – Shellfish: no available data

Acute toxicity (short term) – Seaweed/aquatic plants: no available data

Acute toxicity (short term) – Other organisms: no available data

Chronic toxicity (long term) – Fish: no available data

Chronic toxicity (long term) – Shellfish: no available data

Chronic toxicity (long term) – Seaweed/aquatic plants: no available data

Chronic toxicity (long term) – Other organisms: no available data

As for substances that compose the mixture:

Petroleum 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)

12.1.2 Toxicity towards other organisms

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

As for the components:

Petroleum base oil:

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

12.2. Persistence and degradability

12.2.1 Biodegradability

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

As for the components:

Petroleum base oil:

Not easily degradable (OECD301B).



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12.2.2 Chemical degradation

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

As for the components:

Petroleum base oil:

Not easily degradable.

Substance	% (weight)	Test type	Length (days)	Degradation %
Polysulfides, di-tert-Bu	From 40 to 49,9 %	Sturm	28	13
Reaction products of 4-methyl-2-pentanol and diphosphorus pentasulfide, propoxylated, esterified with diphosphorus pentoxide, and salted by amines, C12-14-tert-alkyl	From 10 to 19,9 %	Inherent/Mud	28	3.6
Reaction products of 4-methyl-2-pentanol and diphosphorus pentasulfide, propoxylated, esterified with diphosphorus pentoxide, and salted by amines, C12-14-tert-alkyl	From 10 to 19,9 %	Sturm	28	-10
Reaction products of 4-methyl-2-pentanol and diphosphorus pentasulfide, propoxylated, esterified with diphosphorus pentoxide, and salted by amines, C12-14-tert-alkyl	From 10 to 19,9 %	Sturm	28	7.4

12.3. Bioaccumulative potential

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

As for the components:

Petroleum base oil:

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

Substance	% (weight)	Test type	Length (days)	Log Kow or bioaccumulation factor
Polysulfides, di-tert-Bu	From 40 to 49,9 %	Sharing coefficient water/octanol	0.1	6

12.4 Mobility in soil

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



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As for the components:

Petroleum base oil:

This product does not dissolve in water and is largely not volatile. This product may penetrate the soil until it reaches surface of groundwater. The degradation is coming about very slowly in anaerobic conditions. Hydrocarbons (base oil) may be absorbed in soil organic matter or sediments (log Kow>6).

12.5 Results of PBT and vPvB assessment

As for the mixture: it has not been a subject of 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, nor very bioaccumulative (vPvB).

12.6. Other adverse effects

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

As for the components:

Petroleum base oil:

The information given is based on data obtained from 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



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14.2. UN proper shipping name

· **ADR**

Not regulated

· **IMDG**

Not regulated

· **IATA**

Not regulated

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 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.



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- Regulation (CE) n° 1272/2008 of the European Parliament and of the Council of 16 décembre 2008 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.

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16 - OTHER INFORMATION

Modifications indications

Sections 2/3/16 : suppression DPD (1999/45/CE) : 15/05/2015

Section 3 : 04/07/2019

Symbols and hazard phrases used in this document section 3:

H302 - Harmful if swallowed.

H304 - May be fatal if swallowed and enters airways.

H317 - May cause an allergic skin reaction.

H318 - Causes serious eye damage.

H319 - Causes serious eye irritation.

H361 - Suspected of damaging fertility or the unborn child.

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.

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