



SAFETY DATA SHEET

Comply with regulation 453/2010 - REACH

KENNOL ECOLOGY C3 0W30

Replaces version 21/03/2017

FDS :823-193770-080118

08/01/2018

Page 1 sur 17

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

1.1. Product identifier

- Product name: **KENNOL ECOLOGY C3 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.



SAFETY DATA SHEET

Comply with regulation 453/2010 - REACH

KENNOL ECOLOGY C3 0W30

Replaces version 21/03/2017

FDS :823-193770-080118

08/01/2018

Page 2 sur 17

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

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.



SAFETY DATA SHEET

Comply with regulation 453/2010 - REACH

KENNOL ECOLOGY C3 0W30

Replaces version 21/03/2017

FDS :823-193770-080118

08/01/2018

Page 3 sur 17

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
			CE CAS Registration
Petroleum base oil	< 40%	Asp. Tox. 1 ; H304	Mixture (*)
Pentadecane, 7-méthylène mixed with 1-tétradécène, dimers et trimers	<30%	Not classified	- 163149-29-9 -
1-Decene, homopolymer, hydrogenated	<20%	Asp. Tox. 1 ; H304	500-183-1 68037-01-4 -
Benzenepropanoic acid, 3,5- bis(1,1-diméthylethyl)-4- hydroxy-, C7-9-branched alkyl esters	< 3.5 %	Aquatic Chronic 4; H413	406-040-9 01-0000015551-76
Reaction products of benzenamine, N-phenyl- with nonene (branched)	< 1.5 %	Aquatic Chronic 4; H413	253-249-4 01-2119488911-28
zinc O,O,O',O'-tétrakis(1,3- diméthylbutyl) bis(phosphorodithioate)	< 1.0%	Eye Dam. 1; H318 Skin Corr. 2; H315 Aquatic Chronic 2; H411	218-679-9 01-2119953275-34
Phosphorodithioic acid, mixed O,O-bis(1,3-diméthylbutyl and iso-Pr)esters, zinc salts	< 0.5 %	Eye Dam. 1; H318 Skin Corr. 2; H315 Aquatic Chronic 2; H411	283-392-8 01-2119493626-26
Phenol, dodecyl-, branched	< 0.1 %	Eye Dam. 1; H318 Skin Corr. 1C; H314 Aquatic Chronic 1; H410 (M=10) Aquatic Acute 1; H400 (M=10) Repr. 1B; H360	310-154-3 01-2119513207-49

(*) Mixture: Contains one or several of the following numbers: N°CE 276-738-4 (registration: 01-2119474889-13), 265-157-1 (enregistrement: 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), N°CE 276-737-9 (registration 01-2119474878-16)

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



SAFETY DATA SHEET

Comply with regulation 453/2010 - REACH

KENNOL ECOLOGY C3 0W30

Replaces version 21/03/2017

FDS :823-193770-080118

08/01/2018

Page 4 sur 17

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



SAFETY DATA SHEET

Comply with regulation 453/2010 - REACH

KENNOL ECOLOGY C3 0W30

Replaces version 21/03/2017

FDS :823-193770-080118

08/01/2018

Page 5 sur 17

See section 11.

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

Afin d'obtenir des informations pour une manipulation sûre, consulter le chapitre 7.
Afin d'obtenir des informations sur les équipements de protection personnels, consulter le chapitre 8.
Afin d'obtenir des informations sur l'élimination, consulter le chapitre 13.



SAFETY DATA SHEET

Comply with regulation 453/2010 - REACH

KENNOL ECOLOGY C3 0W30

Replaces version 21/03/2017

FDS :823-193770-080118

08/01/2018

Page 6 sur 17

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



SAFETY DATA SHEET

Comply with regulation 453/2010 - REACH

KENNOL ECOLOGY C3 0W30

Replaces version 21/03/2017

FDS :823-193770-080118

08/01/2018

Page 7 sur 17

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.

Diphenylamine VME = 10 mg/m³

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): 0,845

Colour: Amber



SAFETY DATA SHEET

Comply with regulation 453/2010 - REACH

KENNOL ECOLOGY C3 0W30

Replaces version 21/03/2017

FDS :823-193770-080118

08/01/2018

Page 8 sur 17

Viscosity at 40°C (mm²/s): 63

Smell: oil feature

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

Flow point (°C): > 230

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.

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.

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



SAFETY DATA SHEET

Comply with regulation 453/2010 - REACH

KENNOL ECOLOGY C3 0W30

Replaces version 21/03/2017

FDS :823-193770-080118

08/01/2018

Page 9 sur 17

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

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: Not classified as an eye irritant.

Respiratory or skin sensitization: there is no available information for the product itself.

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.

Components:

Petroleum base oil: Carcinogenicity: data not available

Toxicity by aspiration: may be fatal if swallowed and enters airways

Cutaneous sensitization:

Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, C7-9-branched alkyl esters

Classification: Is not a skin sensitizer. (Literature). Is not a skin sensitizer.

zinc O,O',O',O'-tetrakis(1,3-dimethylbutyl) bis(phosphorodithioate)

Classification: Is not a skin sensitizer.



SAFETY DATA SHEET

Comply with regulation 453/2010 - REACH

KENNOL ECOLOGY C3 0W30

Replaces version 21/03/2017

FDS :823-193770-080118

08/01/2018

Page 10 sur 17

Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr)esters, zinc salts

Classification: N'est pas un sensibilisateur cutané. (Literature) N'est pas un sensibilisateur cutané.

2,6-Di-tert-butylphenol

Classification: Is not a skin sensitizer. (Literature)

Phenol, dodecyl-, branched

Classification: Is not a skin sensitizer. (Literature)

2,6-Di-tert-butylphenol

If the product has the shape of mist or if vapors are produced through heating, the exposure may induce irritation of mucous membranes as well as of upper respiratory tract.

Phenol, dodecyl-, branched

May induce irritation of mucous membranes as well as of upper respiratory tract.

Other effects:

Diphenylamine

Kidney Blood Liver

Chronic effects

Mutagenicity of Germinal Cells:

Reaction products of Benzeneamine, N-phenyl- with nonene (branched)

This product has not shown mutagenic or genotoxic effects during laboratory trials.

2,6-Di-tert-butylphenol

This product has not shown mutagenic or genotoxic effects during laboratory trials.

Phenol, dodecyl-, branched

This product has not shown mutagenic or genotoxic effects during laboratory trials.

Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, C7-9-branched alkyl esters

This material is not mutagenic in the Ames test, micronucleus tests and in vitro cytogenic tests.

Toxicity for reproduction:

Phenol, dodecyl-, branched

Can affect fertility and foetus

Specific target organ toxicity - Repeated exposures:

Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, C7-9-branched alkyl esters



SAFETY DATA SHEET

Comply with regulation 453/2010 - REACH

KENNOL ECOLOGY C3 0W30

Replaces version 21/03/2017

FDS :823-193770-080118

08/01/2018

Page 11 sur 17

Oral toxicity tests with repeated doses administered on rat using a component contained in this product has shown effects on internal organs (that is to say liver and thyroid enlargement). These effects were considered as adaptive since reversible following discontinuation of treatment.

Ingestion: Target(s) Organ(s): Thyroid, Liver

2,6-Di-tert-butylphenol

During an oral toxicity test of 28 days conducted on rats, the 2,6-Di-tert-butylphenol has shown a liver weight increase of 100 mg/kg of body weight/day was established for systemic toxicity.

Ingestion: Target(s) Organ(s): Liver

Phenol, dodecyl-, branched

This product contains para-dodecylphenol. Administered daily through oral feeding with high repeated doses on rat, the para-dodecylphenol has been associated with effects on various organs, including adrenal gland, thyroid, liver, ovaries and testicles, as well as bone marrow and hematopoiesis.

Serious eye damage/eye irritation :

zinc O,O,O',O'-tetrakis(1,3-dimethylbutyl) bis(phosphorodithioate)

Specific Concentration Limits (SCLs) = 10% H318

Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr)esters, zinc salts

SCLs = 12.5% H318

SECTION 12 - ECOLOGICAL INFORMATION

12.1. Toxicity

Product:

Toxicity for fish: there is no available information for this product.

Toxicity for daphnia and other aquatic invertebrates: there is no available information for this product.

Toxicity for seaweed: there is no available information for this product.

Fish

Reaction products of Benzeneamine, N-phenyl- with nonene (branched):

LC 50 (Zebra fish, 4 DY): > 100 mg/l

Zinc O,O,O',O'-tetrakis(1,3-dimethylbutyl) bis(phosphorodithioate):

LC 50 (Rainbow trout, 4 days): 4,5 mg/l

NOEC (Rainbow trout, 4 days): 1,8 mg/l

LC 50 (Cyprinodon variegatus, 4 days): 46 mg/l

Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr)esters, zinc salts:

LC 50 (Rainbow trout, 4 DY): 4,5 mg/l

LC 50 (Cyprinodon variegatus, 4 DY): 46 mg/l

NOEC (Rainbow trout, 4 DY): 1,8 mg/l



SAFETY DATA SHEET

Comply with regulation 453/2010 - REACH

KENNOL ECOLOGY C3 0W30

Replaces version 21/03/2017

FDS :823-193770-080118

08/01/2018

Page 12 sur 17

2,6-Di-tert-butylphenol :

LC 50 (Pimephales promelas, 4 DY): 1,4 mg/l

LC 50 (Rainbow trout, 4 DY): 13 mg/l

Phenol, dodecyl-, branched :

LC 50 (Pimephales promelas, 4 DY): 40 mg/l

Aquatic Invertebrates

Reaction products of Benzeneamine, N-phenyl- with nonene (branched):

CE50 (Water flea, 2 DY): > 100 mg/l

zinc O,O,O',O'-tetrakis(1,3-dimethylbutyl) bis(phosphorodithioate):

CE50 (Water flea, 2 DY): 23 mg/l

NOEC (Water flea, 2 DY): 10 mg/l

NOEC (Water flea, 21 DY): 0,4 mg/l

Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr)esters, zinc salts:

CE50 (Water flea, 2 DY): 23 mg/l

NOEC (Water flea, 2 DY): 10 mg/l

CE50 (Water flea, 21 DY): > 0,8 mg/l

NOEC (Water flea, 21 DY): 0.4 mg/l

2,6-Di-tert-butylphenol :

CE50 (Water flea, 2 DY): 0.45 mg/l

CE50 (Water flea, 2 DY): 0.8 mg/l

Phenol, dodecyl-, branched :

CE50 (Water flea, 2 DY): 0,037 mg/l

CE50 (Shrimp (Mysidopsis bahia), 4 DY): > 0.58 mg/l

CE50 (Water flea, 21 DY): 0.0079 mg/l

NOEC (Water flea, 21 DY): 0.0037 mg/l

Toxicity for aquatic plants

zinc O,O,O',O'-tetrakis(1,3-dimethylbutyl) bis(phosphorodithioate)

CE50 (Green seaweed, 3 days): 21 mg/l

Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr)esters, zinc salts

CE50 (Green seaweed, 3 DY): 21 mg/l



SAFETY DATA SHEET

Comply with regulation 453/2010 - REACH

KENNOL ECOLOGY C3 0W30

Replaces version 21/03/2017

FDS :823-193770-080118

08/01/2018

Page 13 sur 17

NOEC (Green seaweed, 3 DY): 10 mg/l

2,6-Di-tert-butylphenol

CE50 (Green seaweed, 3 DY): 3.6 mg/l

Phenol, dodecyl-, branched

CE50 (Green seaweed, 72h): 0.36 mg/l

Toxicity for soil-dwelling organisms

No data available

Toxicity for sediment-dwelling organisms

No data available

Toxicity for land plants

No data available

Toxicity for land organisms

No data available

Toxicity for microorganisms

Reaction products of Benzeneamine, N-phenyl- with nonene (branched)

CE50 (Mud, 0.1 DY): > 1 000 mg/l

Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr)esters, zinc salts

CE50 (Mud, 0.1 DY): > 10 000 mg/l

2,6-Di-tert-butylphenol

CE50 (Mud, 0.1 DY): > 1 000 mg/l

Phenol, dodecyl-, branched

CE50 (Mud, 0.1 DY): > 1 000 mg/l

12.2. Persistence and degradability

Product:

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

Components:

Biodegradation

Reaction products of Benzeneamine, N-phenyl- with nonene (branched)



SAFETY DATA SHEET

Comply with regulation 453/2010 - REACH

KENNOL ECOLOGY C3 0W30

Replaces version 21/03/2017

FDS :823-193770-080118

08/01/2018

Page 14 sur 17

Formation of carbon dioxide 0 % (28 DY, OECD TG 301 B)

zinc O,O,O',O'-tetrakis(1,3-dimethylbutyl) bis(phosphorodithioate)

Formation of carbon dioxide 1.5 % (28 DY, OECD TG 301 B)

Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr)esters, zinc salts

Formation of carbon dioxide 1.5 % (28 DY, OECD TG 301 B)

2,6-Di-tert-butylphenol

Dissolved organic carbon (COD) 24 % (28 DY, OECD TG 302 B)

Formation of carbon dioxide 5 % (28 DY, OECD TG 301 B)

Phenol, dodecyl-, branched

Dissolved organic carbon (COD) 10 % (56 DY, Various)

Formation of carbon dioxide 25 % (28 DY, OECD TG 301 B)

12.3. Bioaccumulative potential

Product:

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

Partition coefficient: noctanol/water: not defined

Components:

Bioconcentration factor (BCF)

Reaction products of Benzeneamine, N-phenyl- with nonene (branched)

Bioconcentration factor (BCF): 1 584,89 (Measured)

Phenol, dodecyl-, branched

Bioconcentration factor (BCF): 794,33 (Measured)

Partition coefficient: noctanol/water (log Kow)

zinc O,O,O',O'-tetrakis(1,3-dimethylbutyl) bis(phosphorodithioate)

Log Kow: 2,21 20 °C 68 °F (Measured)

Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr)esters, zinc salts

Log Kow: 0,56 (Measured)

2,6-Di-tert-butylphenol

Log Kow: 4,5 (Measured)

Phenol, dodecyl-, branched

Log Kow: 7,14 (Measured)



SAFETY DATA SHEET

Comply with regulation 453/2010 - REACH

KENNOL ECOLOGY C3 0W30
Replaces version 21/03/2017

FDS :823-193770-080118

08/01/2018

Page 15 sur 17

12.4. Mobility in soil

Product:

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

12.5. Results of PBT and vPvB assessment

Product:

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

12.6. Other adverse effects

Product:

Additional ecological information: None known

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

14.3. Transport hazard class(es)

· ADR



SAFETY DATA SHEET

Comply with regulation 453/2010 - REACH

KENNOL ECOLOGY C3 0W30

Replaces version 21/03/2017

FDS :823-193770-080118

08/01/2018

Page 16 sur 17

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.

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.



SAFETY DATA SHEET

Comply with regulation 453/2010 - REACH

KENNOL ECOLOGY C3 0W30

Replaces version 21/03/2017

FDS :823-193770-080118

08/01/2018

Page 17 sur 17

SECTION 16 - OTHER INFORMATION

Modifications

Section 3: 08/01/2018

Symbols and hazard phrases used in this document section 3:

H304 - May be fatal if swallowed and enters airways.

H314 - Causes severe skin burns and eye damage

H315 - Causes skin irritation.

H318 - Causes serious eye damage.

H360 - May damage fertility or the unborn child

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.

H413 - May cause long lasting harmful effects to aquatic life

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