



SAFETY DATA SHEET

Conforme to réglementation 453/2010 - REACH

KENNOL LG-20 ANTI FROST NUT CHOCOLATE

Replaces version du xx/xx/xxxx

FDS :996-165210-170217

17/02/2017

Page 1 sur 15

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

1.1. Product identifier

- Product name: **KENNOL LG-20 ANTI FROST NUT CHOCOLATE**

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

- Commercial use: Windscreen Wash (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)

H226 – Flammable liquid – category 3 – Attention – (CLP : Flam. Liq. 3)

H319 – Eye irritation– category 2 – Attention - (CLP Eye Irrit. 2)



SAFETY DATA SHEET

Conforme to réglementation 453/2010 - REACH

KENNOL LG-20 ANTI FROST NUT CHOCOLATE

Replaces version du xx/xx/xxxx

FDS :996-165210-170217

17/02/2017

Page 2 sur 15

2.2. Label elements

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

Hazard pictogram(s):



Signal word(s): ATTENTION

Hazard statement(s):

H226 Flammable liquid and vapour

H319 Causes serious eye irritation

Precautionary statement(s) – Prevention

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

P102 – Keep out of reach of children

P210 - Keep away from heat/sparks/open flames/hot surfaces. — No smoking

P233 - Keep container tightly closed

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

P264 - Wash contaminated skin thoroughly after handling

Precautionary statement(s) - Intervention

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.

Precautionary advice- Storage

P403+P235 - Store in a well-ventilated place. Keep cool.

Precautionary advice - Elimination

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

Additional phrase(s): Contains: Perfume

2.3. Other hazards

* Irritating to the mucous membranes



SAFETY DATA SHEET

Conforme to réglementation 453/2010 - REACH

KENNOL LG-20 ANTI FROST NUT CHOCOLATE

Replaces version du xx/xx/xxxx

FDS :996-165210-170217

17/02/2017

Page 3 sur 15

* Ingestion has the following effects: nausea, vomiting, central nervous system depression, unconsciousness, similar symptoms to those presented by drunkenness.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

3.2. Mixtures

- Chemical nature: formulated from demineralized water, alcohols and various additives.

- Dangerous components:

COMPONENTS	Percentage (in weight)	CLP Classification (EC) No 1272/2008	NUMBERS INDEX CE CAS Registration
ETHANOL	< 40 %	Flam. Liq. 2, H225 Eye Irrit. 2, H319	603-002-00-5 200-578-6 64-17-5 01-2119457610-43
Ethane-1,2-diol	< 5%	Toxicité aiguë classe 4 H302 H373	603-027-00-1 203-473-3 107-21-1 01-2119456816-28
Sodium etasulfate	< 0.15 %	Skin Irrit. 2, H315 Eye Dam. 1, H318	204-812-8 126-92-1 01-2119971586-23

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.



SAFETY DATA SHEET

Conforme to réglementation 453/2010 - REACH

KENNOL LG-20 ANTI FROST NUT CHOCOLATE

Replaces version du xx/xx/xxxx

FDS :996-165210-170217

17/02/2017

Page 4 sur 15

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.

Eye contact:

Rinse out with plenty of water for at least 10 minutes with the eyelid held wide open. Consult an ophthalmologist if the irritation persists.

Ingestion:

Do not induce vomiting. Never give anything to drink if the person is unconscious. Consult a physician or contact a poison control centre.

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

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

Liquids or vapours may cause eye irritation.

This product may cause a slight skin irritation in case of repeated or prolonged contact.

Ingestion may have the following effects:

Central nervous system depression.

Nausea, vomiting.

Symptoms similar to that of being intoxicated by alcoholic drinks.

Inhalation of strong concentrations may cause temporary respiratory irritation, headaches, nausea.

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

No other important information available.

SECTION 5 - FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media: CO2, extinguishing powder or water pulverized. Fight large fires with water spray or alcohol resistant foam.

Adapt extinguishing measures to the environment.

Unsuitable extinguishing media for safety reason: full water jet.



SAFETY DATA SHEET

Conforme to réglementation 453/2010 - REACH

KENNOL LG-20 ANTI FROST NUT CHOCOLATE

Replaces version du xx/xx/xxxx

FDS :996-165210-170217

17/02/2017

Page 5 sur 15

5.2. Special hazards arising from the substance or mixture

Vapours with source of ignition, can create a sudden burst of flames.

5.3. Advice for firefighters

· Special safety equipment:

Wear a self-contained breathing apparatus.

Do not inhale explosion gases or combustion gases.

· Other indications:

Use water to cool exposed containers.

Fire product residues and contaminated water must be disposed of according to administrative directives.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Wear safety equipment. Keep away non-protected persons.

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

Pick up with suitable absorbent material (sand, binders, universal binders, sawdust).

Make sure there is sufficient ventilation.

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

7.1. Precautions for safe handling

Manipulations :

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

Store in a well-ventilated workplace.



SAFETY DATA SHEET

Conforme to reglementation 453/2010 - REACH

KENNOL LG-20 ANTI FROST NUT CHOCOLATE

Replaces version du xx/xx/xxxx

FDS :996-165210-170217

17/02/2017

Page 6 sur 15

Breathing must be protected when large quantities are decanted without exhaust ventilation.

Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke

Protect against electrostatic charges.

Appropriate equipment to face fire, spills and leaks must be easily reachable.

7.2. Conditions for safe storage, including any incompatibilities

· Requirements to be met by storerooms and containers

Store in a cool location.

Provide solvent-resistant and impermeable floor.

· Information about storage in one common storage facility

Not necessary.

· Other information about storage facility:

Keep receptacle tightly sealed

Store in cool, dry conditions in well-sealed receptacles.

Keep away from heat and direct sunlight.

7.3. Specific end use(s)

No other important information available

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters

Components presenting critical values that have to be monitored at the workplace:

64-17-5 Ethyl alcohol

VME Instantaneous value: 9500 mg/m³, 5000 ppm

Long term value: 1900 mg/m³, 1000 ppm



SAFETY DATA SHEET

Conforme to reglementation 453/2010 - REACH

KENNOL LG-20 ANTI FROST NUT CHOCOLATE

Replaces version du xx/xx/xxxx

FDS :996-165210-170217

17/02/2017

Page 7 sur 15

ETHANE-1,2-DIOL

Valeurs limites sur les lieux de travail

N°	Dénomination de la substance	N° CAS	N° CE
1	éthane-1,2-diol	107-21-1	203-473-3
2000/39/EWG			
Ethylene glycol			
	VLE	104 mg/m ³	40 ml/m ³
	VME	52 mg/m ³	20 ml/m ³
	Résorption de l'épiderme / sensibilisateur	Skin	
Valeurs limites d'exposition professionnelle aux agent chimiques en France			
Ethylèneglycol			
vapeurs			
	VLE	125 mg/m ³	50 ml/m ³

Valeurs DNEL et PNEC

valeurs DNEL (travailleurs)

N°	Dénomination de la substance			N° CAS / CE
	Voie d'exposition	durée d'action	effet	Valeur
1	éthane-1,2-diol			107-21-1 203-473-3
	dermale	(chronique) à long terme	systémique	106 mg/kg/jour
	par inhalation	(chronique) à long terme	local	35 mg/m ³

valeurs DNEL (consommateur)

N°	Dénomination de la substance			N° CAS / CE
	Voie d'exposition	durée d'action	effet	Valeur
1	éthane-1,2-diol			107-21-1 203-473-3
	dermale	(chronique) à long terme	systémique	53 mg/kg/jour
	par inhalation	(chronique) à long terme	local	7 mg/m ³

valeurs PNEC

N°	Dénomination de la substance		N° CAS / CE
	compartiment écologique	Type	Valeur
1	éthane-1,2-diol		107-21-1 203-473-3
	Eau	eau douce	10 mg/l
	Eau	eau marine	1 mg/l
	Eau	eau douce sédiment	20,9 mg/kg
	Eau	Eau dégagement intermittent	10 mg/l
	sol	-	1,53 mg/kg
	station d'épuration des eaux résiduaires (STP)	-	199,5 mg/l

Additional comments:

The present document uses lists that were valid during its compilation.

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:



SAFETY DATA SHEET

Conforme to réglementation 453/2010 - REACH

KENNOL LG-20 ANTI FROST NUT CHOCOLATE

Replaces version du xx/xx/xxxx

FDS :996-165210-170217

17/02/2017

Page 8 sur 15

· General protection and hygiene measures:

Wash hands thoroughly before breaks and when finishing work.

· Breathing protection:

Use suitable respiratory equipment if ventilation is insufficient.

In case of exposure risk above the regulated exposure limits values, it is advised to wear respiratory protective equipment adapted to risks.

· Hands protection:

The glove material must be waterproof and resistant to the product/ the substance / the preparation.

Choice of the glove material according to the penetration time, the infiltration and the degradation rate.

· Glove material

The choice of the appropriate material depends not only on the material, but also on other quality criteria that may vary from a manufacturer to the other. Since the product represents a preparation composed of several substances, the resistance of the glove material cannot be calculated in advance and must, thus, be controlled before its use.

· Penetration time of glove material

The precise penetration time is to be determined by the manufacturer of the protection gloves and is to be observed.

· Eyes protection: Protection goggles

· Body protection du corps: Protective clothing

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

9.1. Appearance

Aspect: Liquid

Density at 20°C (g/cm³): 0,95

Colour: Green

Smell: alcohol feature

pH value: 8 units pH typical

Flash point (closed beaker) (°C):

Freezing point (°C) : -20

Flammability (solid, gaseous): Not applicable.

Ignition temperature: Not defined

Self-inflammation: the product does not combust spontaneously.

Risk of explosion: the product is not explosive; however explosive air/vapour mixtures are possible.

Air exposure limits for pure ethanol:

Below: 3,3 Vol %

Above: 19 Vol %

Vapour pressure at 20°C: Not defined



SAFETY DATA SHEET

Conforme to reglementation 453/2010 - REACH

KENNOL LG-20 ANTI FROST NUT CHOCOLATE

Replaces version du xx/xx/xxxx

FDS :996-165210-170217

17/02/2017

Page 9 sur 15

Solubility: complete in water

Partition coefficient (n-octanol/water): Not defined

9.2. Other information

No other important information available

SECTION 10 - STABILITY AND REACTIVITY

10.1. Reactivity

No data available

10.2. Chemical stability

Stable when used and stored normally

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

10.5. Incompatible materials

Powerful oxidisers, alkaline metals, aluminium.

10.6. Hazardous decomposition products

No hazardous decomposition products known

SECTION 11 - TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Toxicological information referring to ingredients.

ETHANOL

Acute toxicity (CAS: 64-17-5)

Acute toxicity (DL50 oral): > 2000 mg/kg Rat

Acute toxicity (DL50 dermal): > 2000 mg/kg Rabbit

Acute toxicity (CL50 by inhalation): > 20 mg/l (vapeurs) Mouse 4 hours



SAFETY DATA SHEET

Conforme to reglementation 453/2010 - REACH

KENNOL LG-20 ANTI FROST NUT CHOCOLATE

Replaces version du xx/xx/xxxx

FDS :996-165210-170217

17/02/2017

Page 10 sur 15

Skin corrosion/skin irritation:

Erythema and eschar formation

Very light Erythema (barely noticeable) (1). Erythema well defined (2).

No irritation.

Serious eye damage/eye irritation

Slightly irritating

Respiratory sensitization

Not available

Skin sensitization

Guinea Pig Maximization Test (GPMT: Guinea Pig Maximisation Test): Guinea Pig

Non-sensitizing.

Mutagenicity on germ cells:

Genotoxicity - In Vitro

Gene mutation:

Negative.

Carcinogenicity:

Not available.

Toxicity for the reproduction - Fertility

Not available.

Toxicity for the reproduction - Development

Not available.

Specific toxicity for some target organs – repeated exposure:

STOT – Repeated exposures

DSET 1730 mg/kg Oral

Target organs

Tractus gastro-intestinal Liver

Inhalation: Nausea, headache, drunken state

Skin contact

No specific health warnings noted. Not considered a skin sensitizer.

Eye contact

Irritating for eyes.

Ingestion: Drunken state that can lead to alcoholic coma.

Additional information: Long term exposure: may cause the same disorder as narcotic action.



SAFETY DATA SHEET

Conforme to réglementation 453/2010 - REACH

KENNOL LG-20 ANTI FROST NUT CHOCOLATE

Replaces version du xx/xx/xxxx

FDS :996-165210-170217

17/02/2017

Page 11 sur 15

ETHANE-1,2-DIOL

Toxicité orale aiguë	
DL 50	7712 mg/kg
Espèces	rat
Source	CSR

Toxicité dermale aiguë	
DL 50	> 3500 mg/kg
Espèces	souris
Source	CSR

Toxicité aiguë par inhalation	
CL 50	> 2,5 mg/l
Durée d'exposition	6 h
Espèces	rat
Source	CSR

Corrosion cutanée/irritation cutanée	
Espèces	lapin
Source	CSR
Évaluation	Non irritant

Lésions oculaires graves/irritation oculaire	
Espèces	lapin
Source	CSR
Évaluation	Non irritant

Sensibilisation respiratoire ou cutanée	
Voie d'exposition	Peau
Espèces	cobaye
Source	CSR
Évaluation	non sensibilisant

Mutagénicité sur les cellules germinales	
Source	CSR
Remarque	Pas de données expérimentales disponibles sur la génotoxicité.

Toxicité pour la reproduction	
Source	CSR
Remarque	Pas de données expérimentales disponibles sur des effets toxiques sur la reproduction.

Cancérogénicité	
Source	CSR
Remarque	Pas de données expérimentales disponibles sur des effets cancérogènes.

Toxicité spécifique pour certains organes cibles — exposition unique	
Aucune donnée disponible	

Toxicité spécifique pour certains organes cibles — exposition répétée	
Aucune donnée disponible	

Danger par aspiration	
Aucune donnée disponible	

SECTION 12 - ECOLOGICAL INFORMATION

12.1. Toxicity

· Aquatic toxicity: No other important information available.



SAFETY DATA SHEET

Conforme to réglementation 453/2010 - REACH

KENNOL LG-20 ANTI FROST NUT CHOCOLATE

Replaces version du xx/xx/xxxx

FDS :996-165210-170217

17/02/2017

Page 12 sur 15

Toxicological information referred to ingredients.

ETHANE-1,2-DIOL

Toxicité sur poissons	
CL50	72860 mg/l
Durée d'exposition	96 h
Espèces	Pimephales promelas
Source	CSR

Toxicité sur daphnies	
CE50	> 100 mg/l
Durée d'exposition	48 h
Espèces	Daphnia magna
Source	CSR

Toxicité sur algues	
CE50	6500 - 13000 mg/l
Durée d'exposition	96 h
Espèces	Pseudokirchneriella subcapitata
Source	CSR

Toxicité sur bactéries	
CE 20	> 1995 mg/l
Durée d'exposition	30 min
Espèces	boue activée
Source	CSR

12.2. Persistence and degradability

Toxicological information referred to ingredients.

ETHANE-1,2-DIOL

Biodégradabilité	
Source	CSR
Évaluation	facilement biodégradable

Reaction dans les épurateurs	
En cas d'introduction de faibles concentrations dans des stations d'épuration biologiques adaptées, altération de l'activité de dégradation des boues activées non probable.	

12.3. Bioaccumulative potential

Toxicological information referred to ingredients.

ETHANE-1,2-DIOL

Facteur de bioconcentration (FBC)	
Remarque	Non potentiellement bioaccumulatif.

Coefficient de partage: n-octanol/eau	
log Pow	-1,36

12.4. Mobility in soil

No other important information available.

· Other ecological information:



SAFETY DATA SHEET

Conforme to reglementation 453/2010 - REACH

KENNOL LG-20 ANTI FROST NUT CHOCOLATE

Replaces version du xx/xx/xxxx

FDS :996-165210-170217

17/02/2017

Page 13 sur 15

Water hazard class 1 (D) (Self-assessment): low-polluting

Do not leave the product, not diluted or in big quantity, reach ground water, water course or sewage system.

12.5. Results of PBT and vPvB assessment

- PBT: Not applicable.
- vPvB: Not applicable.

12.6. Other adverse effects

No other important information available

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 : UN 1170

14.2. UN proper shipping name

- ADR
UN 1170 ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION), 3, III, (D/E)
- IMDG
ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)
- IATA
ETHANOL SOLUTION

14.3. Transport hazard class(es)



SAFETY DATA SHEET

Conforme to reglementation 453/2010 - REACH

KENNOL LG-20 ANTI FROST NUT CHOCOLATE

Replaces version du xx/xx/xxxx

FDS :996-165210-170217

17/02/2017

Page 14 sur 15

· ADR

Class 3 (F1) Flammable liquids.

Label 3



· IMDG, IATA

Class 3 Flammable liquids.

Label 3



14.4. Packing group

ADR Packing group: III

IMO Packing group: III

IATA Packing group: III

14.5. Environmental hazards

IMDG- Marine pollution: NO

Spill and leak procedure: Clean up the leakage or the losses, even minor if possible without taking unnecessary risks.

14.6. Special precautions for user

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

Emergency measures in the event of an accident: No open flames. Do not smoke

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"

The mixture is not intended for bulk transport.

SECTION 15 - REGULATORY INFORMATION



SAFETY DATA SHEET

Conforme to reglementation 453/2010 - REACH

KENNOL LG-20 ANTI FROST NUT CHOCOLATE

Replaces version du xx/xx/xxxx

FDS :996-165210-170217

17/02/2017

Page 15 sur 15

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° 648/2004 referring to detergents
- 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

Not applicable.

SECTION 16 - OTHER INFORMATION

Modifications indications

1st version

Symbols and hazard phrases used in this document section 3:

H225 - Highly flammable liquid and vapour

H302 : Harmful if swallowed.

H315 - Causes skin irritation.

H318 - Causes serious eye damage.

H319 - Causes serious eye irritation.

H373: May cause damage to organs through prolonged or repeated exposure

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