



Kenne Bell High Performance Supercharger Synthetic Oil, Lucas Synthetic SAE 5W-20 Racing Motor Oil, Lucas Synthetic SAE 5W-30 Racing Motor Oil

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878
Issue date: 5/17/2022 Version: 1.0

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

1.1. Product identifier

Product form : Mixture
Trade name : Kenne Bell High Performance Supercharger Synthetic Oil,
Lucas Synthetic SAE 5W-20 Racing Motor Oil,
Lucas Synthetic SAE 5W-30 Racing Motor Oil
Product code :

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

1.2.1. Relevant identified uses

Intended for general public
Main use category : Industrial use, Professional use, Consumer use
Use of the substance/mixture : Lubricant

1.2.2. Uses advised against

Restrictions on use : No additional information

1.3. Details of the supplier of the safety data sheet

Supplier

Lucas Oil Products UK Ltd
Unit 4 Cunliffe Drive
Llangefni Industrial Estate
LL77 7JA Llangefni
Anglesey - UK
T 01248 723 666
Info@LucasOil.co.uk - www.lucasoil.co.uk

Supplier

Lucas Oil Products Europe Ltd
Block 3 Harcourt Centre
Harcourt Road
Dublin 2
Ireland
T +44 344 225 5400
info@lucasoil.eu.com www.lucasoil.eu.com

1.4. Emergency telephone number

Emergency number : ChemTel
1-800-255-3924 (USA, Canada, Puerto Rico, US V.I.)
+1-813-248-0585 (International)

Country	Organisation/Company	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals- 24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH Birmingham	0344 892 0111	Only for healthcare professionals
United Kingdom	National Poisons Information Service (Cardiff Centre) University Hospital Llandough	Penlan Road CF64 2XX Llandough	0344 892 0111	Only for healthcare professionals
United Kingdom	National Poisons Information Service (Edinburgh Centre) Royal Infirmary of Edinburgh	Little France Crescent EH16 4SA Edinburgh	0344 892 0111	Only for healthcare professionals

Kenne Bell High Performance Supercharger Synthetic Oil, Lucas Synthetic SAE 5W-20 Racing Motor Oil, Lucas Synthetic SAE 5W-30 Racing Motor Oil

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Country	Organisation/Company	Address	Emergency number	Comment
United Kingdom	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER London	+44 20 7188 7188	
United Kingdom	National Poisons Information Service (Newcastle Centre) Regional Drugs and Therapeutics Centre	16/17 Framlington Place Newcastle-upon-Tyne NE2 4AB Newcastle	0344 892 0111	Only for healthcare professionals
United Kingdom	National Poisons Information Service (Belfast Centre) Royal Victoria Hospital	Grosvenor Road BT12 6BA Belfast	0344 892 0111	Only for healthcare professionals

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Serious eye damage/eye irritation, Category 2	H319
Skin sensitisation, Category 1	H317
Hazardous to the aquatic environment — Chronic Hazard, Category 3	H412
Full text of H- and EUH-statements: see section 16	

Adverse physicochemical, human health and environmental effects

Causes serious eye irritation. May cause an allergic skin reaction. Harmful to aquatic life with long lasting effects.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP: Classification, Labelling, Packaging.) :



GHS07

Signal word (CLP)	: Warning
Contains	: c14-18 alpha-olefin epoxide, reaction products with boric acid, Oxymolybdenum di-2-ethylhexyl phos-phorodithioate, sulfurized
Hazard statements (CLP)	: H317 - May cause an allergic skin reaction. H319 - Causes serious eye irritation. H412 - Harmful to aquatic life with long lasting effects.
Precautionary statements (CLP)	: P101 - If medical advice is needed, have product container or label at hand. P102 - Keep out of reach of children. P103 - Read label before use. P261 - Avoid breathing mist, spray, vapours. P264 - Wash hands, forearms and face thoroughly after handling. P280 - Wear protective clothing, eye protection, face protection, protective gloves. P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
Unknown acute toxicity (CLP: Classification, Labelling, Packaging.) - SDS	: 1.75% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral) 1.75% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal) 1.75% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))
Unknown hazards to the aquatic environment (CLP)	: Contains 5 % of components with unknown hazards to the aquatic environment
Child-resistant fastening	: Not applicable
Tactile warning	: Not applicable

2.3. Other hazards

Kenne Bell High Performance Supercharger Synthetic Oil, Lucas Synthetic SAE 5W-20 Racing Motor Oil, Lucas Synthetic SAE 5W-30 Racing Motor Oil

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Other hazards not contributing to the classification : No additional hazards have been identified.

vPvB: not yet assessed

Contains no PBT/vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

Component	
Distillates (petroleum), hydrotreated heavy paraffinic (DMSO < 3%) (64742-54-7)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu) esters, zinc salts (68442-22-8)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Branched hexatriacontane	CAS-No.: 151006-62-1 EC-No.: 417-070-7 EC Index-No.: 601-064-00-8	40 - 65	Aquatic Chronic 4, H413
Distillates (petroleum), hydrotreated heavy paraffinic (DMSO < 3%) substance with a Community workplace exposure limit (Note L)	CAS-No.: 64742-54-7 EC-No.: 265-157-1 EC Index-No.: 649-467-00-8 REACH-no: 01-2119484627-0018	1 - 11	Asp. Tox. 1, H304
Distillates (petroleum), hydrotreated light paraffinic (DMSO <3%) (Note L)	CAS-No.: 64742-55-8 EC-No.: 265-158-7 EC Index-No.: 649-468-00-3	1 - 5	Asp. Tox. 1, H304
Mineral oil (DMSO <3%) substance with national workplace exposure limit(s) (IE); substance with a Community workplace exposure limit	CAS-No.: mixture	0.15 – 5	Not classified
Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu) esters, zinc salts	CAS-No.: 68442-22-8 EC-No.: 270-478-5	1 - 5	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 2, H411
Oxymolybdenum di-2-ethylhexyl phos-phorodithioate, sulfurized	CAS-No.: 72030-25-2 EC-No.: 615-708-0	2.25 – 3.75	Skin Irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Chronic 3, H412
c14-18 alpha-olefin epoxide, reaction products with boric acid	EC-No.: 939-580-3	1 - ≤ 2	Skin Sens. 1B, H317
Tris(2-ethylhexyl) orthoborate	CAS-No.: 2467-13-2 EC-No.: 219-581-9	1 - <2	Eye Irrit. 2, H319 Aquatic Chronic 4, H413
Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts	CAS-No.: 84605-29-8 EC-No.: 283-392-8	0.25 – 1.5	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 2, H411

Kenne Bell High Performance Supercharger Synthetic Oil, Lucas Synthetic SAE 5W-20 Racing Motor Oil, Lucas Synthetic SAE 5W-30 Racing Motor Oil

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Distillates (petroleum), solvent-refined light paraffinic (DMSO < 3%) (Note L)	CAS-No.: 64741-89-5 EC-No.: 265-091-3 EC Index-No.: 649-455-00-2	0.1 - 1.5	Asp. Tox. 1, H304
Molybdenum, bis(2-ethylhexyl)carbomodithioate bis(2-ethylhexyl)carbamothioate oxo thio complexes	CAS-No.: 68954-53-0 EC-No.: 273-245-6	1	Aquatic Chronic 2, H411
Molybdenum, bis(ditridecylcarbomodithioato)di- μ -oxodioxo-di-, sulfurized	CAS-No.: 71342-89-7 EC-No.: 275-347-6	1	Aquatic Chronic 2, H411
Reaction products of Benzeneamine, N-phenyl- with nonene (branched)	CAS-No.: 36878-20-3 EC-No.: 253-249-4	1	Aquatic Chronic 4, H413
zinc O,O',O',O'-tetrakis(1,3-dimethylbutyl) bis(phosphorodithioate)	CAS-No.: 2215-35-2 EC-No.: 218-679-9	1	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 2, H411

Specific concentration limits		
Name	Product identifier	Specific concentration limits
Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu) esters, zinc salts	CAS-No.: 68442-22-8 EC-No.: 270-478-5	(10 \leq C < 12.5) Eye Irrit. 2, H319 (12.5 \leq C \leq 100) Eye Dam. 1, H318

Note L: The harmonised classification as a carcinogen applies unless it can be shown that the substance contains less than 3 % of dimethyl sulphoxide extract as measured by IP 346 ("Determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fractions – Dimethyl sulphoxide extraction refractive index method" Institute of Petroleum, London), in which case a classification in accordance with Title II of this Regulation shall be performed also for that hazard class.

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person.
First-aid measures after inhalation	: If inhaled and if breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
First-aid measures after skin contact	: Wash skin with plenty of water.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.
First-aid measures after ingestion	: If swallowed, rinse mouth with water (only if the person is conscious). Do NOT induce vomiting unless directed to do so by medical personnel.

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

Symptoms/effects after skin contact	: May cause an allergic skin reaction. Skin rash/inflammation.
Symptoms/effects after eye contact	: Causes serious eye irritation.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Foam. Dry powder. Carbon dioxide. Water spray.
Unsuitable extinguishing media	: Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: No particular fire or explosion hazard. Burning produces irritating, toxic and noxious fumes.
Hazardous decomposition products in case of fire	: Toxic fumes may be released.

5.3. Advice for firefighters

Kenne Bell High Performance Supercharger Synthetic Oil, Lucas Synthetic SAE 5W-20 Racing Motor Oil, Lucas Synthetic SAE 5W-30 Racing Motor Oil

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Do not allow run-off from fire fighting to enter drains or water courses.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. Use self-contained breathing apparatus. Wear fire/flame resistant/retardant clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Danger of slipping on leaked or spilled product. Avoid all eye and skin contact and do not breathe vapour and mist.

6.1.1. For non-emergency personnel

- Protective equipment : Chemical goggles or safety glasses. Wear suitable gloves.
- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Chemical goggles or safety glasses. Wear suitable gloves.
- Emergency procedures : Stop leak if safe to do so. Ventilate area.

6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

- For containment : Do not allow minor leaks or spills to accumulate on walking surfaces. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
- Methods for cleaning up : Absorb and/or contain spill with inert material, then place in suitable container. Collect spillage.
- Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

Section 13: disposal information. Section 7: safe handling. Section 8: personal protective equipment.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. Wear proper protective equipment. Avoid all eye and skin contact and do not breathe vapour and mist.
- Hygiene measures : Do not eat, drink or smoke when using this product. Always wash your hands immediately after handling this product, and once again before leaving the workplace.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Keep only in the original container. Keep container closed when not in use.
- Incompatible products : strong oxidizers.
- Prohibitions on mixed storage : Incompatible materials.
- Storage area : Store in dry, cool, well-ventilated area.

7.3. Specific end use(s)

Lubricant oil.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. National occupational exposure and biological limit values

Distillates (petroleum), hydrotreated heavy paraffinic (DMSO < 3%) (64742-54-7)	
EU - Indicative Occupational Exposure Limit (IOEL)	
IOEL TWA	5 mg/m ³ 8-h (inhalable)
Mineral oil (DMSO <3%) (mixture)	
EU - Indicative Occupational Exposure Limit (IOEL)	
IOEL TWA	5 mg/m ³ 8 h

Kenne Bell High Performance Supercharger Synthetic Oil, Lucas Synthetic SAE 5W-20 Racing Motor Oil, Lucas Synthetic SAE 5W-30 Racing Motor Oil

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Mineral oil (DMSO <3%) (mixture)	
Ireland - Occupational Exposure Limits	
OEL (8 hours ref) (mg/m ³)	5 mg/m ³ 8 h

8.1.2. Recommended monitoring procedures

No data available

8.1.3. Air contaminants formed

No data available

8.1.4. DNEL and PNEC

No data available

8.1.5. Control banding

No data available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Avoid splashing. Ensure good ventilation of the work station.

8.2.2. Personal protection equipment

Personal protective equipment:

Avoid all unnecessary exposure.

8.2.2.1. Eye and face protection

Eye protection:

Chemical goggles or safety glasses. EN 166

8.2.2.2. Skin protection

Skin and body protection:

Long sleeved protective clothing

Hand protection:

Wear suitable gloves. nitrile rubber gloves. EN 374

8.2.2.3. Respiratory protection

Respiratory protection:

No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Use an approved respirator equipped with oil/mist cartridges. EN 136/140

8.2.2.4. Thermal hazards

No data available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Prevent leakage or spillage.

Consumer exposure controls:

Keep out of reach of children.

Other information:

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

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: amber.
Odour	: petroleum.
Odour threshold	: Not available

Kenne Bell High Performance Supercharger Synthetic Oil, Lucas Synthetic SAE 5W-20 Racing Motor Oil, Lucas Synthetic SAE 5W-30 Racing Motor Oil

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Melting point	: Not available
Freezing point	: Not available
Boiling point	: Not available
Flammability	: Not available
Explosive limits	: Not available
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: Not available
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
pH	: Not available
Viscosity, kinematic	: 68 mm ² /s @ 40 °C
Solubility	: Not available
Log Kow	: Not available
Vapour pressure	: Not available
Vapour pressure at 50 °C	: Not available
Density	: 0.858 g/ml
Relative density	: Not available
Relative vapour density at 20 °C	: Not available
Particle size	: Not applicable
Particle size distribution	: Not applicable
Particle shape	: Not applicable
Particle aspect ratio	: Not applicable
Particle aggregation state	: Not applicable
Particle agglomeration state	: Not applicable
Particle specific surface area	: Not applicable
Particle dustiness	: Not applicable

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No data available

9.2.2. Other safety characteristics

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

Extremely high or low temperatures.

10.5. Incompatible materials

Strong oxidizers.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

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

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

Kenne Bell High Performance Supercharger Synthetic Oil, Lucas Synthetic SAE 5W-20 Racing Motor Oil, Lucas Synthetic SAE 5W-30 Racing Motor Oil

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Branched hexatriacontane (151006-62-1)	
LD50 Oral rat	> 5000 mg/kg
LD50 Dermal rat	> 2000 mg/kg
LC50 Inhalation rat	> 5.06 mg/l/4h
Distillates (petroleum), hydrotreated heavy paraffinic (DMSO < 3%) (64742-54-7)	
LD50 Oral rat	> 5000 mg/kg
LD50 Dermal rabbit	> 2000 mg/kg
LC50 Inhalation rat	> 5.53 mg/l/4h
Distillates (petroleum), hydrotreated light paraffinic (DMSO <3%) (64742-55-8)	
LD50 Oral rat	> 5000 mg/kg bodyweight
LD50 Dermal rabbit	> 2000 mg/kg bodyweight
LC50 Inhalation rat	> 10.5 mg/l/4h
Distillates (petroleum), solvent-refined light paraffinic (DMSO < 3%) (64741-89-5)	
LD50 Oral rat	> 5000 mg/kg
LD50 Dermal rabbit	> 2000 mg/kg
LC50 Inhalation rat	5.53 mg/l
Mineral oil (DMSO <3%) (mixture)	
LD50 Oral rat	> 5000 mg/kg
LD50 Dermal rabbit	> 5000 mg/kg
LC50 Inhalation rat	> 5000 mg/m ³ 4 h
Oxymolybdenum di-2-ethylhexyl phos-phorodithioate, sulfurized (72030-25-2)	
LD50 Oral rat	6.81 ml/kg
LD50 Dermal rabbit	10 ml/kg
Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts (84605-29-8)	
LD50 Oral rat	3100 mg/kg
LD50 Dermal rat	> 2002 mg/kg
LC50 Inhalation rat	> 2.3 mg/l/4h
Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu) esters, zinc salts (68442-22-8)	
LD50 Oral rat	3600 mg/kg
LD50 Dermal rabbit	> 20000 mg/kg
zinc O,O,O',O'-tetrakis(1,3-dimethylbutyl) bis(phosphorodithioate) (2215-35-2)	
LD50 Oral rat	2000 – 5000 mg/kg
LD50 Dermal rabbit	> 2000 mg/kg

Unknown acute toxicity (CLP: Classification, Labelling, Packaging.) - SDS

: 1.75% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)
 : 1.75% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)
 : 1.75% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))

Skin corrosion/irritation

: Not classified. (Based on available data, the classification criteria are not met)

Serious eye damage/irritation

: Causes serious eye irritation.

Kenne Bell High Performance Supercharger Synthetic Oil, Lucas Synthetic SAE 5W-20 Racing Motor Oil, Lucas Synthetic SAE 5W-30 Racing Motor Oil

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure	: Not classified (Based on available data, the classification criteria are not met)
STOT-repeated exposure	: Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met)

Kenne Bell High Performance Supercharger Synthetic Oil, Lucas Synthetic SAE 5W-20 Racing Motor Oil, Lucas Synthetic SAE 5W-30 Racing Motor Oil

Viscosity, kinematic	68 mm ² /s @ 40 °C
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11.2. Information on other hazards

No data available

SECTION 12: Ecological information

12.1. Toxicity

Ecology - water	: Harmful to aquatic life with long lasting effects.
Unknown hazards to the aquatic environment (CLP)	: Contains 5 % of components with unknown hazards to the aquatic environment
Hazardous to the aquatic environment, short-term (acute)	: Not classified (Based on available data, the classification criteria are not met)
Hazardous to the aquatic environment, long-term (chronic)	: Harmful to aquatic life with long lasting effects.

Branched hexatriacontane (151006-62-1)

LC50 fish 1	> 1000 mg/l 96 h
EC50 crustacea	> 1000 mg/l 48 h

Distillates (petroleum), hydrotreated heavy paraffinic (DMSO < 3%) (64742-54-7)

EC50 crustacea	> 10000 mg/l
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Distillates (petroleum), hydrotreated light paraffinic (DMSO <3%) (64742-55-8)

LC50 fish 1	> 100 mg/l
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Molybdenum, bis(2-ethylhexyl)carbomodithioate bis(2-ethylhexyl)carbomothioate oxo thio complexes (68954-53-0)

LC50 fish 1	400 mg/l 96 h Rainbow trout
EC50 crustacea	15 mg/l 48 h Daphnia magna
EC50 72h - Algae [1]	3.4 mg/l 72 h Scenedesmus quadricauda

Molybdenum, bis(ditridecylcarbomodithioato)di-μ-oxodioxo-di-, sulfurized (71342-89-7)

LC50 fish 1	400 mg/l 96 h Rainbow trout
EC50 crustacea	15 mg/l 48 h Daphnia magna
EC50 72h - Algae [1]	3.4 mg/l 72 h Scenedesmus quadricauda

Oxymolybdenum di-2-ethylhexyl phos-phorodithioate, sulfurized (72030-25-2)

LC50 fish 1	100 mg/l 96 h
EC50 crustacea	100 mg/l 48 h
EC50 72h - Algae [1]	100 mg/l 72 h

Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts (84605-29-8)

LC50 fish 1	4.5 mg/l
EC50 crustacea	23 mg/l

Kenne Bell High Performance Supercharger Synthetic Oil, Lucas Synthetic SAE 5W-20 Racing Motor Oil, Lucas Synthetic SAE 5W-30 Racing Motor Oil

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts (84605-29-8)	
ErC50 algae	21 mg/l
NOEC (acute)	1.8 mg/l
NOEC chronic crustacea	0.8 mg/l
Tris(2-ethylhexyl) orthoborate (2467-13-2)	
LC50 fish 1	21.17 mg/l 96 h

12.2. Persistence and degradability

Kenne Bell High Performance Supercharger Synthetic Oil, Lucas Synthetic SAE 5W-20 Racing Motor Oil, Lucas Synthetic SAE 5W-30 Racing Motor Oil	
Persistence and degradability	May cause long-term adverse effects in the environment.
Branched hexatriacontane (151006-62-1)	
Persistence and degradability	Not readily biodegradable.
Biodegradation	19 % 28 d
Distillates (petroleum), hydrotreated light paraffinic (DMSO <3%) (64742-55-8)	
Persistence and degradability	Not readily biodegradable.
Distillates (petroleum), solvent-refined light paraffinic (DMSO < 3%) (64741-89-5)	
Persistence and degradability	Not established.
Molybdenum, bis(2-ethylhexyl)carbomodithioate bis(2-ethylhexyl)carbamoithioate oxo thio complexes (68954-53-0)	
Persistence and degradability	Not readily biodegradable.
Biodegradation	6 % 28 d
Molybdenum, bis(ditridecylcarbomodithioato)di-μ-oxodioxo-di-, sulfurized (71342-89-7)	
Persistence and degradability	Not readily biodegradable.
Biodegradation	6 % 28 d
Oxymolybdenum di-2-ethylhexyl phos-phorodithioate, sulfurized (72030-25-2)	
Persistence and degradability	Not readily biodegradable.
Biodegradation	11 % 28 d
Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts (84605-29-8)	
Biodegradation	1.5 % 28 days

12.3. Bioaccumulative potential

Distillates (petroleum), solvent-refined light paraffinic (DMSO < 3%) (64741-89-5)	
Bioaccumulative potential	Not established.
Molybdenum, bis(2-ethylhexyl)carbomodithioate bis(2-ethylhexyl)carbamoithioate oxo thio complexes (68954-53-0)	
Log Kow	4.64
Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts (84605-29-8)	
Log Kow	0.56
Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu) esters, zinc salts (68442-22-8)	
Log Pow	1.67

Kenne Bell High Performance Supercharger Synthetic Oil, Lucas Synthetic SAE 5W-20 Racing Motor Oil, Lucas Synthetic SAE 5W-30 Racing Motor Oil

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

Kenne Bell High Performance Supercharger Synthetic Oil, Lucas Synthetic SAE 5W-20 Racing Motor Oil, Lucas Synthetic SAE 5W-30 Racing Motor Oil	
vPvB: not yet assessed	
Component	
Distillates (petroleum), hydrotreated heavy paraffinic (DMSO < 3%) (64742-54-7)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu) esters, zinc salts (68442-22-8)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Endocrine disrupting properties

No data available

12.7. Other adverse effects

Other adverse effects : Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Sewage disposal recommendations : Do not dispose of waste into sewer.
Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Avoid release to the environment.
HP Code : HP13 - "Sensitising:" waste which contains one or more substances known to cause sensitising effects to the skin or the respiratory organs.
HP4 - "Irritant — skin irritation and eye damage:" waste which on application can cause skin irritation or damage to the eye.
HP14 - "Ecotoxic:" waste which presents or may present immediate or delayed risks for one or more sectors of the environment

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

14.1. UN number or ID number

UN-No. (ADR) : Not regulated.
UN-No. (IMDG) : Not regulated.
UN-No. (IATA) : Not regulated.
UN-No. (ADN) : Not regulated.
UN-No. (RID) : Not regulated.

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not regulated.
Proper Shipping Name (IMDG) : Not regulated.
Proper Shipping Name (IATA) : Not regulated.
Proper Shipping Name (ADN) : Not regulated.
Proper Shipping Name (RID) : Not regulated.

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not regulated.

IMDG

Transport hazard class(es) (IMDG) : Not regulated.

IATA

Transport hazard class(es) (IATA) : Not regulated.

Kenne Bell High Performance Supercharger Synthetic Oil, Lucas Synthetic SAE 5W-20 Racing Motor Oil, Lucas Synthetic SAE 5W-30 Racing Motor Oil

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

ADN

Transport hazard class(es) (ADN) : Not regulated.

RID

Transport hazard class(es) (RID) : Not regulated.

14.4. Packing group

Packing group (ADR) : Not regulated.

Packing group (IMDG) : Not regulated.

Packing group (IATA) : Not regulated.

Packing group (ADN) : Not regulated.

Packing group (RID) : Not regulated.

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

Overland transport

Not regulated.

Transport by sea

Not regulated.

Air transport

Not regulated.

Inland waterway transport

Not regulated.

Rail transport

Not regulated.

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

EU restriction list (REACH Annex XVII)		
Reference code	Applicable on	Entry title or description
3(b)	Kenne Bell High Performance Supercharger Synthetic Oil, Lucas Synthetic SAE 5W-20 Racing Motor Oil, Lucas Synthetic SAE 5W-30 Racing Motor Oil ; Benzenesulfonic acid, mono-C20-24 (even)-sec-alkyl derivs., para-, sodium salts ; c14-18 alpha-olefin epoxide, reaction products with boric acid ; Distillates (petroleum), hydrotreated heavy paraffinic (DMSO < 3%) ; Distillates (petroleum), hydrotreated light paraffinic (DMSO < 3%) ; Distillates (petroleum), solvent-refined light paraffinic (DMSO < 3%) ; zinc O,O,O',O'-tetrakis(1,3-dimethylbutyl) bis(phosphorodithioate) ; Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts ; Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu) esters, zinc salts ; Tris(2-ethylhexyl) orthoborate ; Oxymolybdenum di-2-ethylhexyl phos-phorodithioate, sulfurized	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10

Kenne Bell High Performance Supercharger Synthetic Oil, Lucas Synthetic SAE 5W-20 Racing Motor Oil, Lucas Synthetic SAE 5W-30 Racing Motor Oil

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

EU restriction list (REACH Annex XVII)		
Reference code	Applicable on	Entry title or description
3(c)	Kenne Bell High Performance Supercharger Synthetic Oil, Lucas Synthetic SAE 5W-20 Racing Motor Oil, Lucas Synthetic SAE 5W-30 Racing Motor Oil ; Branched hexatriacontane ; Molybdenum, bis(ditridecylcarbomodithioato)di- μ -oxodioxo-di-, sulfurized ; zinc O,O,O',O'-tetrakis(1,3-dimethylbutyl) bis(phosphorodithioate) ; Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts ; Reaction products of Benzeneamine, N-phenyl- with nonene (branched) ; Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu) esters, zinc salts ; Tris(2-ethylhexyl) orthoborate ; Oxymolybdenum di-2-ethylhexyl phos-phorodithioate, sulfurized ; Molybdenum, bis(2-ethylhexyl)carbomodithioate bis(2-ethylhexyl)carbomothioate oxo thio complexes	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

15.1.2. National regulations

No data available

15.2. Chemical safety assessment

For the following substances of this mixture a chemical safety assessment has been carried out:

Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu) esters, zinc salts

SECTION 16: Other information

Indication of changes:

Original Document.

Abbreviations and acronyms	
	ATE: Acute Toxicity Estimate
	CAS (Chemical Abstracts Service) number
	CLP: Classification, Labelling, Packaging.
	EC50: Environmental Concentration associated with a response by 50% of the test population.
	GHS: Globally Harmonized System (of Classification and Labeling of Chemicals).
	LD50: Lethal Dose for 50% of the test population
	STEL: Short Term Exposure Limits
	WEL: Workplace Exposure Limit

Kenne Bell High Performance Supercharger Synthetic Oil, Lucas Synthetic SAE 5W-20 Racing Motor Oil, Lucas Synthetic SAE 5W-30 Racing Motor Oil

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Data sources : Component Supplier SDSs. European Chemicals Agency (ECHA) C&L Inventory database. Accessed at <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>. European Chemicals Agency (ECHA) Registered Substances list. European Standards: Personal Protective Equipment; accessed at: http://ec.europa.eu/enterprise/policies/european-standards/harmonised-standards/personal-protective-equipment/index_en.htm. Internal Company test data. Krister Forsberg and S.Z. Mansdorf, "Quick Selection Guide to Chemical Protective Clothing", Fifth Edition. Canadian Centre for Occupational Health and Safety. Accessed at: http://www.ccohs.ca/oshanswers/legisl/whmis_classifi.html. WHMIS: The Workplace Hazardous Materials Information System: Canada's national hazard communication standard.

Full text of H- and EUH-statements	
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Aquatic Chronic 4	Hazardous to the aquatic environment — Chronic Hazard, Category 4
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
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.
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
Skin Sens. 1B	Skin sensitisation, category 1B

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]		
Eye Irrit. 2	H319	Expert judgment
Skin Sens. 1	H317	Calculation method
Aquatic Chronic 3	H412	Calculation method

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.