

# Lucas Primary Chaincase Oil, Lucas Extreme Duty Stern Drive Inboard Marine Oil SAE 25W-40, Lucas Synthetic SAE 10W-40 4-Stroke Outboard Engine Oil, Lucas Synthetic SAE 10W-30 4-Stroke Outboard Engine Oil, Lucas Synthetic SAE 0W-40 MC JASO MA2, Lucas Synthetic SAE 5W-20 MC JASO MA2, Lucas Synthetic SAE 5W-30 MC JASO MA2, Lucas Semi-Synthetic SAE 10W-40 ATV/UTV JASO MA2, Lucas Synthetic SAE 5W-20 Motor Oil, SN/GF-5

## Safety Data Sheet



according to Regulation (EU) 2015/830

Date of issue: 5/17/2016 Revision date: 8/11/2016 Version: 2.0

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

#### 1.1. Product identifier

Product form : Mixture  
Trade name : Lucas Primary Chaincase Oil, Lucas Extreme Duty Stern Drive Inboard Marine Oil SAE 25W-40, Lucas Synthetic SAE 10W-40 4-Stroke Outboard Engine Oil, Lucas Synthetic SAE 10W-30 4-Stroke Outboard Engine Oil, Lucas Synthetic SAE 0W-40 MC JASO MA2, Lucas Synthetic SAE 5W-20 MC JASO MA2, Lucas Synthetic SAE 5W-30 MC JASO MA2, Lucas Semi-Synthetic SAE 10W-40 ATV/UTV JASO MA2, Lucas Synthetic SAE 5W-20 Motor Oil, SN/GF-5  
Product code : 10790, 10677, 10814, 10661, 10662, 10812, 10813, 10718, 10704, 10706, 10720, 10082, 10127

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

##### 1.2.1. Relevant identified uses

Use of the substance/mixture : Lubricant

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

Lucas Oil Products, Inc  
302 North Sheridan Street  
92880-2067 Corona, California - USA  
T (951) 270-0154 - F (951) 270-1902  
[GHewqjll@lucasoil.com](mailto:GHewqjll@lucasoil.com) - [www.LucasOil.com](http://www.LucasOil.com)

#### 1.4. Emergency telephone number

Emergency number : (951) 493-1149 (951) 847-5949 7:00A.M. to 5:00P.M. Monday thru Friday

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

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

Serious eye damage/eye irritation, Category 2 H319

Hazardous to the aquatic environment — Chronic Hazard, Category 3 H412

Full text of hazard classes and H-statements : see section 16

##### Adverse physicochemical, human health and environmental effects

No additional information available

#### 2.2. Label elements

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

Hazard pictograms (CLP) :



GHS07

Signal word (CLP) : Warning

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## Safety Data Sheet

according to Regulation (EU) 2015/830

Hazard statements (CLP)	: H319 - Causes serious eye irritation H412 - Harmful to aquatic life with long lasting effects
Precautionary statements (CLP)	: P264 - Wash hands thoroughly after handling P273 - Avoid release to the environment P280 - Wear eye protection, protective gloves P305+P351+P338 - 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 P501 - Dispose of contents/container to an authorised waste collection point
Unknown acute toxicity (CLP: Classification, Labelling, Packaging.) - SDS	: 11% of the mixture consists of ingredient(s) of unknown acute oral toxicity 11% of the mixture consists of ingredient(s) of unknown acute dermal toxicity 11% percent of the mixture consists of ingredient(s) of unknown acute inhalation (dust/mist) toxicity
Unknown hazards to the aquatic environment (CLP)	: Contains 11 % of components with unknown hazards to the aquatic environment

### 2.3. Other hazards

PBT: not yet assessed

vPvB: not yet assessed

## SECTION 3: Composition/information on ingredients

### 3.1. Substance

Not applicable

### 3.2. Mixture

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Distillates (petroleum), hydrotreated heavy paraffinic (DMSO < 3%) (Note L)	(CAS No) 64742-54-7 (EC no) 265-157-1 (EC index no) 649-467-00-8 (REACH-no) 01-2119484627-25	0 - 100	Asp. Tox. 1, H304
Mineral oil	(CAS No) mixture	0 – 15	Asp. Tox. 1, H304
bis(nonylphenyl)amine	(CAS No) 36878-20-3 (EC no) 253-249-4	0 – 10	Aquatic Chronic 4, H413
Dec-1-ene, dimers, hydrogenated	(CAS No) 68649-11-6	0 – 5	Acute Tox. 4 (Inhalation:dust,mist), H332 Asp. Tox. 1, H304
Isobutene-butene polymer	(CAS No) 9003-29-6 (EC no) 500-004-7	0 – 5	Skin Irrit. 2, H315 Eye Irrit. 2, H319
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 – 1	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 2, H411
Reaction products of Benzeneamine, N-phenyl- with nonene (branched)	(REACH-no) 01-2119488911-28	0 – 1	Aquatic Chronic 4, H413
zinc O,O',O'-tetrakis(1,3-dimethylbutyl) bis(phosphorodithioate)	(CAS No) 2215-35-2 (EC no) 218-679-9	0 – 1	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 2, H411
Benzenesulfonic acid, C10-60-alkyl derivs., sodium salts	(CAS No) 90194-32-4 (EC no) 290-641-4	0 – 1	Eye Irrit. 2, H319
Diphenylamine	(CAS No) 122-39-4 (EC no) 204-539-4 (EC index no) 612-026-00-5	0 - 0.7	Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation:dust,mist), H331 STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Phenol, dodecyl-, branched	(CAS No) 121158-58-5 (EC no) 310-154-3	0 - 0.2	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Repr. 2, H361f Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Comments : Exact concentrations are withheld as trade secret

# Lucas Primary Chaincase Oil, Lucas Extreme Duty Stern Drive Inboard Marine Oil SAE 25W-40, Lucas Synthetic SAE 10W-40 4-Stroke Outboard Engine Oil, Lucas Synthetic SAE 10W-30 4-Stroke Outboard Engine Oil, Lucas Synthetic SAE 0W-40 MC JASO MA2, Lucas Synthetic SAE 5W-20 MC JASO MA2, Lucas Synthetic SAE 5W-30 MC JASO MA2, Lucas Semi-Synthetic SAE 10W-40 ATV/UTV JASO MA2, Lucas Synthetic SAE 5W-20 Motor Oil, SN/GF-5

## Safety Data Sheet

according to Regulation (EU) 2015/830

Note L : The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3 % DMSO 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. This note applies only to certain complex oil-derived substances in Part 3.

Full text of H-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. If medical advice is needed, have product container or label at hand.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. If you feel unwell, seek medical advice.
First-aid measures after skin contact	: Gently wash with plenty of soap and water. Wash contaminated clothing before reuse.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.

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

Symptoms/injuries after inhalation	: Inhalation of vapours may cause respiratory irritation.
Symptoms/injuries after skin contact	: Prolonged or repeated contact may cause skin to become dry or cracked.
Symptoms/injuries 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	: Carbon dioxide. Dry chemical. Foam.
Unsuitable extinguishing media	: Do not use a heavy water stream.

#### 5.2. Special hazards arising from the substance or mixture

Fire hazard	: Burning produces irritating, toxic and noxious fumes.
Explosion hazard	: Product is not explosive.

#### 5.3. Advice for firefighters

Firefighting instructions	: Cool adjacent structures and containers with water spray to protect and prevent ignition. Do not allow run-off from fire fighting to enter drains or water courses.
Protection during firefighting	: Wear a self contained breathing apparatus. Wear fire/flare resistant/retardant clothing. EN469.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Avoid all eye and skin contact and do not breathe vapour and mist. Stop leak without risks if possible.
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##### 6.1.1. For non-emergency personnel

Protective equipment	: Refer to section 8.2.
Emergency procedures	: Evacuate unnecessary personnel.

##### 6.1.2. For emergency responders

Protective equipment	: Refer to section 8.2.
Emergency procedures	: Ventilate area.

#### 6.2. Environmental precautions

Do not allow large quantities, as are, to spread into the environment. Do not discharge into drains or rivers.

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## Safety Data Sheet

according to Regulation (EU) 2015/830

### 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.

Other information : Spilled material may present a slipping hazard.

### 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 : Avoid all eye and skin contact and do not breathe vapour and mist. Ensure good ventilation of the work station. Do not eat, drink or smoke when using this product.

Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Wash contaminated clothing before reuse.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep container closed when not in use.

Incompatible products : Strong acids. Strong bases. Strong oxidizers.

Heat and ignition sources : Keep away from heat, sparks and flame.

Prohibitions on mixed storage : Incompatible materials.

Storage area : Store in dry, cool, well-ventilated area.

### 7.3. Specific end use(s)

Lubricant.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Diphenylamine (122-39-4)		
Austria	MAK (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup> (einatembare Fraktion), (H)
Austria	MAK (ppm)	0.7 ppm (einatembare Fraktion), (H)
Austria	MAK Short time value (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (einatembare Fraktion) max. 4x15 min./Schicht, (H)
Austria	MAK Short time value (ppm)	1.4 ppm (einatembare Fraktion) max. 4x15 min./Schicht, (H)
Belgium	Limit value (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
Czech Republic	Expoziční limity (PEL) (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
Czech Republic	Expoziční limity (NPK-P) (mg/m <sup>3</sup> )	20 mg/m <sup>3</sup>
Czech Republic	Remark (CZ)	D, P
Denmark	Grænseværdie (langvarig) (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
Denmark	Grænseværdie (kortvarig) (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
Finland	HTP-arvo (8h) (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
Finland	HTP-arvo (15 min)	10 mg/m <sup>3</sup>
France	VME (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
Ireland	OEL (8 hours ref) (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
Ireland	OEL (15 min ref) (mg/m <sup>3</sup> )	20 mg/m <sup>3</sup>
Lithuania	IPRV (mg/m <sup>3</sup> )	4 mg/m <sup>3</sup>
Lithuania	TPRV (mg/m <sup>3</sup> )	12 mg/m <sup>3</sup>
Spain	VLA-ED (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
Spain	Notes	s

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## Safety Data Sheet

according to Regulation (EU) 2015/830

<b>Diphenylamine (122-39-4)</b>		
Sweden	nivågränsvärde (NVG) (mg/m <sup>3</sup> )	4 mg/m <sup>3</sup>
Sweden	kortidsvärde (KTV) (mg/m <sup>3</sup> )	12 mg/m <sup>3</sup>
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
United Kingdom	WEL STEL (mg/m <sup>3</sup> )	20 mg/m <sup>3</sup>
Norway	Grenseverdier (AN) (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
Switzerland	VME (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
Switzerland	Remark (CH)	(inhalable aerosol)

### 8.2. Exposure controls

Appropriate engineering controls : Avoid splashing. Use only in well ventilated areas. Provide local exhaust ventilation of closed transfer systems to minimize exposures. Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure.

Personal protective equipment : Avoid all unnecessary exposure.

Hand protection:

Wear suitable gloves resistant to chemical penetration. nitrile rubber gloves. EN374

Eye protection:

Chemical goggles or safety glasses. EN166

Respiratory protection:

In case of inadequate ventilation wear respiratory protection. Use an approved respirator equipped with oil/mist cartridges. Organic vapor cartridge EN 12083

Environmental exposure controls : Prevent leakage or spillage. Prevent contaminated water run-off.

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
Appearance	: Clear liquid.
Colour	: amber.
Odour	: petroleum.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: > 187 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: 0.849 - 0.886
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: >= 39.4 cSt @ 40 °C

# Lucas Primary Chaincase Oil, Lucas Extreme Duty Stern Drive Inboard Marine Oil SAE 25W-40, Lucas Synthetic SAE 10W-40 4-Stroke Outboard Engine Oil, Lucas Synthetic SAE 10W-30 4-Stroke Outboard Engine Oil, Lucas Synthetic SAE 0W-40 MC JASO MA2, Lucas Synthetic SAE 5W-20 MC JASO MA2, Lucas Synthetic SAE 5W-30 MC JASO MA2, Lucas Semi-Synthetic SAE 10W-40 ATV/UTV JASO MA2, Lucas Synthetic SAE 5W-20 Motor Oil, SN/GF-5

## Safety Data Sheet

according to Regulation (EU) 2015/830

Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

### 9.2. Other information

No additional information 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

Heat.

### 10.5. Incompatible materials

Strong bases. Strong acids. Strong oxidizers.

### 10.6. Hazardous decomposition products

Carbon oxides (CO, CO<sub>2</sub>). Hydrocarbon.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

<b>zinc O,O,O',O'-tetrakis(1,3-dimethylbutyl) bis(phosphorodithioate) (2215-35-2)</b>	
LD50 oral rat	2000 - 5000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
<b>Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts (84605-29-8)</b>	
LD50 oral rat	3100 mg/kg
LD50 dermal rat	> 2002 mg/kg
LC50 inhalation rat (mg/l)	> 2.3 mg/l/4h
<b>bis(nonylphenyl)amine (36878-20-3)</b>	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rat	> 2000 mg/kg
<b>Dec-1-ene, dimers, hydrogenated (68649-11-6)</b>	
LD50 oral rat	> 5000 mg/kg bodyweight
LD50 dermal rabbit	> 2000 mg/kg
LC50 inhalation rat (mg/l)	< 5 mg/l
LC50 inhalation rat (Dust/Mist - mg/l/4h)	< 5 mg/l/4h
<b>Isobutene-butene polymer (9003-29-6)</b>	
LD50 oral rat	> 34600 mg/kg
LD50 dermal rabbit	> 10250 mg/kg
LC50 inhalation rat (mg/l)	> 17300 mg/m <sup>3</sup>
<b>Distillates (petroleum), hydrotreated heavy paraffinic (DMSO &lt; 3%) (64742-54-7)</b>	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg

# Lucas Primary Chaincase Oil, Lucas Extreme Duty Stern Drive Inboard Marine Oil SAE 25W-40, Lucas Synthetic SAE 10W-40 4-Stroke Outboard Engine Oil, Lucas Synthetic SAE 10W-30 4-Stroke Outboard Engine Oil, Lucas Synthetic SAE 0W-40 MC JASO MA2, Lucas Synthetic SAE 5W-20 MC JASO MA2, Lucas Synthetic SAE 5W-30 MC JASO MA2, Lucas Semi-Synthetic SAE 10W-40 ATV/UTV JASO MA2, Lucas Synthetic SAE 5W-20 Motor Oil, SN/GF-5

## Safety Data Sheet

according to Regulation (EU) 2015/830

<b>Distillates (petroleum), hydrotreated heavy paraffinic (DMSO &lt; 3%) (64742-54-7)</b>	
LC50 inhalation rat (mg/l)	> 5.53 mg/l/4h
Skin corrosion/irritation	: Not classified.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified (DMSO <3%)
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified
<b>Lucas Primary Chaincase Oil, Lucas Extreme Duty Stern Drive Inboard Marine Oil SAE 25W-40, Lucas Synthetic SAE 10W-40 4-Stroke Outboard Engine Oil, Lucas Synthetic SAE 10W-30 4-Stroke Outboard Engine Oil, Lucas Synthetic SAE 0W-40 MC JASO MA2, Lucas Synthetic SAE 5W-20 MC JASO MA2, Lucas Synthetic SAE 5W-30 MC JASO MA2, Lucas Semi-Synthetic SAE 10W-40 ATV/UTV JASO MA2, Lucas Synthetic SAE 5W-20 Motor Oil, SN/GF-5</b>	
Viscosity, kinematic	>= 39.4 mm <sup>2</sup> /s @ 40 °C

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : Harmful to aquatic life with long lasting effects.

<b>Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts (84605-29-8)</b>	
LC50 fish 1	4.5 mg/l
EC50 Daphnia 1	23 mg/l
ErC50 (algae)	21 mg/l
NOEC (acute)	1.8 mg/l
NOEC chronic crustacea	0.8 mg/l
<b>Diphenylamine (122-39-4)</b>	
LC50 fish 1	4.14 ppm
EC50 Daphnia 1	2.46 mg/l
EC50 other aquatic organisms 1	0.36 mg/l
<b>bis(nonylphenyl)amine (36878-20-3)</b>	
LC50 fish 1	> 100 mg/l
<b>Isobutene-butene polymer (9003-29-6)</b>	
LC50 fish 1	> 1000 mg/l
EC50 Daphnia 1	> 1000 mg/l
<b>Distillates (petroleum), hydrotreated heavy paraffinic (DMSO &lt; 3%) (64742-54-7)</b>	
EC50 Daphnia 1	> 10000 mg/l

### 12.2. Persistence and degradability

<b>Lucas Primary Chaincase Oil, Lucas Extreme Duty Stern Drive Inboard Marine Oil SAE 25W-40, Lucas Synthetic SAE 10W-40 4-Stroke Outboard Engine Oil, Lucas Synthetic SAE 10W-30 4-Stroke Outboard Engine Oil, Lucas Synthetic SAE 0W-40 MC JASO MA2, Lucas Synthetic SAE 5W-20 MC JASO MA2, Lucas Synthetic SAE 5W-30 MC JASO MA2, Lucas Semi-Synthetic SAE 10W-40 ATV/UTV JASO MA2, Lucas Synthetic SAE 5W-20 Motor Oil, SN/GF-5</b>	
Persistence and degradability	May cause long-term adverse effects in the environment.
<b>Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts (84605-29-8)</b>	
Biodegradation	1.5 % 28 days

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## Safety Data Sheet

according to Regulation (EU) 2015/830

<b>Diphenylamine (122-39-4)</b>	
Persistence and degradability	Not established.

<b>Isobutene-butene polymer (9003-29-6)</b>	
Persistence and degradability	This product is not expected to be biodegradable.

### 12.3. Bioaccumulative potential

<b>Lucas Primary Chaincase Oil, Lucas Etreme Duty Stern Drive Inboard Marine Oil SAE 25W-40, Lucas Synthetic SAE 10W-40 4-Stroke Outboard Engine Oil, Lucas Synthetic SAE 10W-30 4-Stroke Outboard Engine Oil, Lucas Synthetic SAE 0W-40 MC JASO MA2, Lucas Synthetic SAE 5W-20 MC JASO MA2, Lucas Synthetic SAE 5W-30 MC JASO MA2, Lucas Semi-Synthetic SAE 10W-40 ATV/UTV JASO MA2, Lucas Synthetic SAE 5W-20 Motor Oil, SN/GF-5</b>	
Bioaccumulative potential	Not established.

<b>Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts (84605-29-8)</b>	
Log Kow	0.56

<b>Diphenylamine (122-39-4)</b>	
Bioaccumulative potential	Not established.

<b>Isobutene-butene polymer (9003-29-6)</b>	
Bioaccumulative potential	This product is not bioaccumulating.

### 12.4. Mobility in soil

<b>Lucas Primary Chaincase Oil, Lucas Etreme Duty Stern Drive Inboard Marine Oil SAE 25W-40, Lucas Synthetic SAE 10W-40 4-Stroke Outboard Engine Oil, Lucas Synthetic SAE 10W-30 4-Stroke Outboard Engine Oil, Lucas Synthetic SAE 0W-40 MC JASO MA2, Lucas Synthetic SAE 5W-20 MC JASO MA2, Lucas Synthetic SAE 5W-30 MC JASO MA2, Lucas Semi-Synthetic SAE 10W-40 ATV/UTV JASO MA2, Lucas Synthetic SAE 5W-20 Motor Oil, SN/GF-5</b>	
Ecology - soil	No additional information available.

<b>Isobutene-butene polymer (9003-29-6)</b>	
Ecology - soil	This material has low solubility and floats and is not expected to partition to water.

### 12.5. Results of PBT and vPvB assessment

<b>Lucas Primary Chaincase Oil, Lucas Etreme Duty Stern Drive Inboard Marine Oil SAE 25W-40, Lucas Synthetic SAE 10W-40 4-Stroke Outboard Engine Oil, Lucas Synthetic SAE 10W-30 4-Stroke Outboard Engine Oil, Lucas Synthetic SAE 0W-40 MC JASO MA2, Lucas Synthetic SAE 5W-20 MC JASO MA2, Lucas Synthetic SAE 5W-30 MC JASO MA2, Lucas Semi-Synthetic SAE 10W-40 ATV/UTV JASO MA2, Lucas Synthetic SAE 5W-20 Motor Oil, SN/GF-5</b>	
PBT: not yet assessed	
vPvB: not yet assessed	

<b>Component</b>	
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

### 12.6. Other adverse effects

Additional information : No additional information available

## 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.
European List of Waste (LoW) code	: Waste is not considered hazardous waste
HP Code	: 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 / RID / IMDG / IATA / ADN

# Lucas Primary Chaincase Oil, Lucas Extreme Duty Stern Drive Inboard Marine Oil SAE 25W-40, Lucas Synthetic SAE 10W-40 4-Stroke Outboard Engine Oil, Lucas Synthetic SAE 10W-30 4-Stroke Outboard Engine Oil, Lucas Synthetic SAE 0W-40 MC JASO MA2, Lucas Synthetic SAE 5W-20 MC JASO MA2, Lucas Synthetic SAE 5W-30 MC JASO MA2, Lucas Semi-Synthetic SAE 10W-40 ATV/UTV JASO MA2, Lucas Synthetic SAE 5W-20 Motor Oil, SN/GF-5

## Safety Data Sheet

according to Regulation (EU) 2015/830

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### 14.1. UN 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.

#### 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.

# Lucas Primary Chaincase Oil, Lucas Extreme Duty Stern Drive Inboard Marine Oil SAE 25W-40, Lucas Synthetic SAE 10W-40 4-Stroke Outboard Engine Oil, Lucas Synthetic SAE 10W-30 4-Stroke Outboard Engine Oil, Lucas Synthetic SAE 0W-40 MC JASO MA2, Lucas Synthetic SAE 5W-20 MC JASO MA2, Lucas Synthetic SAE 5W-30 MC JASO MA2, Lucas Semi-Synthetic SAE 10W-40 ATV/UTV JASO MA2, Lucas Synthetic SAE 5W-20 Motor Oil, SN/GF-5

## Safety Data Sheet

according to Regulation (EU) 2015/830

### - Inland waterway transport

Not regulated.

### - Rail transport

Not regulated.

### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

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

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

#### 15.1.2. National regulations

##### Germany

VwVwS Annex reference

: Water hazard class (WGK) 2, hazard to waters (Classification according to VwVwS, Annex 4)

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV

: Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

##### Netherlands

SZW-lijst van kankerverwekkende stoffen

: Distillates (petroleum), hydrotreated heavy paraffinic (DMSO < 3%),Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts ,Phenol, dodecyl-,branched are listed

SZW-lijst van mutagene stoffen

: Distillates (petroleum), hydrotreated heavy paraffinic (DMSO < 3%),Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts ,Phenol, dodecyl-,branched are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding

: None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid

: None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling

: None of the components are listed

##### Denmark

Recommendations Danish Regulation

: Pregnant/breastfeeding women working with the product must not be in direct contact with the product

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

Indication of changes:

Removed. Product.

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.
	LD50: Lethal Dose for 50% of the test population

# Lucas Primary Chaincase Oil, Lucas Extreme Duty Stern Drive Inboard Marine Oil SAE 25W-40, Lucas Synthetic SAE 10W-40 4-Stroke Outboard Engine Oil, Lucas Synthetic SAE 10W-30 4-Stroke Outboard Engine Oil, Lucas Synthetic SAE 0W-40 MC JASO MA2, Lucas Synthetic SAE 5W-20 MC JASO MA2, Lucas Synthetic SAE 5W-30 MC JASO MA2, Lucas Semi-Synthetic SAE 10W-40 ATV/UTV JASO MA2, Lucas Synthetic SAE 5W-20 Motor Oil, SN/GF-5

## Safety Data Sheet

according to Regulation (EU) 2015/830

	PBT: Persistent, Bioaccumulative, Toxic
	STEL: Short Term Exposure Limits
	TWA: Time Weighted Average
vPvB	Very Persistent and Very Bioaccumulative

### Data sources

: European Chemicals Agency (ECHA) C&L Inventory database. Accessed at <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>.  
 European Standards: Personal Protective Equipment; accessed at: [http://ec.europa.eu/enterprise/policies/european-standards/harmonised-standards/personal-protective-equipment/index\\_en.htm](http://ec.europa.eu/enterprise/policies/european-standards/harmonised-standards/personal-protective-equipment/index_en.htm).  
 Krister Forsberg and S.Z. Mansdorf, "Quick Selection Guide to Chemical Protective Clothing", Fifth Edition.  
 National Fire Protection Association. Fire Protection Guide to Hazardous Materials; 10th edition.  
 REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

### Other information

: None.

### Full text of H- and EUH-statements:

Acute Tox. 3 (Dermal)	Acute toxicity (dermal), Category 3
Acute Tox. 3 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
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
Repr. 2	Reproductive toxicity, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
H301	Toxic if swallowed
H304	May be fatal if swallowed and enters airways
H311	Toxic in contact with skin
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H331	Toxic if inhaled
H332	Harmful if inhaled
H361f	Suspected of damaging fertility
H373	May cause damage to organs through prolonged or repeated exposure
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
H412	Harmful to aquatic life with long lasting effects
H413	May cause long lasting harmful effects to aquatic life

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

**Lucas Primary Chaincase Oil, Lucas Extreme Duty Stern Drive Inboard Marine Oil SAE 25W-40, Lucas Synthetic SAE 10W-40 4-Stroke Outboard Engine Oil, Lucas Synthetic SAE 10W-30 4-Stroke Outboard Engine Oil, Lucas Synthetic SAE 0W-40 MC JASO MA2, Lucas Synthetic SAE 5W-20 MC JASO MA2, Lucas Synthetic SAE 5W-30 MC JASO MA2, Lucas Semi-Synthetic SAE 10W-40 ATV/UTV JASO MA2, Lucas Synthetic SAE 5W-20 Motor Oil, SN/GF-5**  
Safety Data Sheet

according to Regulation (EU) 2015/830

Eye Irrit. 2	H319	Expert judgment
Aquatic Chronic 3	H412	Calculation method

**SDS prepared by:** The Redstone Group, LLC.  
6077 Frantz Rd.  
Suite 206  
Dublin, Ohio, USA 43016  
614.923.7472  
[www.redstonegrp.com](http://www.redstonegrp.com)

*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*