



SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006
Premium Blue™ GEO MA 40 Motor Oil

Version: 4.0

Revision Date: 18.02.2023

Print Date: 03/07/2023

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

1.1 Product identifier

Trade name : Premium Blue™ GEO MA 40
Motor Oil

Product code : 844938

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

Use of the substance/mixture : Engine, gear & lubricating oil.

1.3 Details of the supplier of the safety data sheet

Company : Ellis Enterprises B.V., an affiliate of Valvoline
Wieldrechtseweg 39
3316 BG Dordrecht
Netherlands

Telephone : +31 (0)78 654 3500 (in the Netherlands), or contact your local
CSR contact person

E-mail address of person : SDS@valvoline.com
responsible for the SDS

1.4 Emergency telephone number

00-800-825-8654 / 001-859-202-3865, or contact your local emergency telephone number
at 112

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)

Not a hazardous substance or mixture.



SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006
Premium Blue™ GEO MA 40 Motor Oil

Version: 4.0

Revision Date: 18.02.2023

Print Date: 03/07/2023

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)

No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required

Additional Labelling

EUH208 Contains Calcium di(alkyl(C20-C24, even numbered) branched)-methyl benzenesulfonate.
May produce an allergic reaction.

EUH210 Safety data sheet available on request.

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased	68784-26-9 272-234-3 01-2119524004-56-xxxx	Aquatic Chronic 4; H413	>= 1 - < 2.5
Amines, polyethylenepoly-, reaction products with succinic anhydride polyisobutenyl derivs.	84605-20-9	Aquatic Chronic 4; H413	>= 1 - < 2.5
BENZENEPROPANOIC ACID, 3,5-bis(1,1-DIMETHYLETHYL)-4-HYDROXY-, C7-9-BRANCHED ALKYL ESTERS	125643-61-0 406-040-9 607-530-00-7 01-0000015551-76-xxxx	Aquatic Chronic 4; H413	>= 1 - < 2.5
Calcium di(alkyl(C20-C24, even numbered) branched)-methyl benzenesulfonate	722503-68-6	Skin Sens. 1; H317 Aquatic Chronic 4; H413	>= 0.25 - < 0.5
PHENOL, DODECYL-, BRANCHED	121158-58-5 310-154-3	Skin Corr. 1C; H314	>= 0.1 - < 0.3



SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006
Premium Blue™ GEO MA 40 Motor Oil

Version: 4.0

Revision Date: 18.02.2023

Print Date: 03/07/2023

	604-092-00-9 01-2119513207-49- xxxx	Repr. 1B; H360 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 <hr/> M-Factor (Acute aquatic toxicity): 10 M-Factor (Chronic aquatic toxicity): 10	
--	---	--	--

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

- General advice : Move out of dangerous area.
Show this safety data sheet to the doctor in attendance.
Do not leave the victim unattended.
- If inhaled : If unconscious, place in recovery position and seek medical advice.
If symptoms persist, call a physician.
- In case of skin contact : If on skin, rinse well with water.
- In case of eye contact : Flush eyes with water as a precaution.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.
- If swallowed : Keep respiratory tract clear.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.
Take victim immediately to hospital.
- Induce vomiting immediately and call a physician.

4.2 Most important symptoms and effects, both acute and delayed

- Symptoms : No symptoms known or expected.



SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006
Premium Blue™ GEO MA 40 Motor Oil

Version: 4.0

Revision Date: 18.02.2023

Print Date: 03/07/2023

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : No hazards which require special first aid measures.
Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable extinguishing media : High volume water jet

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting : Do not allow run-off from fire fighting to enter drains or water courses.
Hazardous combustion products : carbon dioxide and carbon monoxide
sulfur oxides

5.3 Advice for firefighters

Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.
Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.

6.2 Environmental precautions

Environmental precautions : Prevent product from entering drains.
Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains inform respective authorities.



SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006
Premium Blue™ GEO MA 40 Motor Oil

Version: 4.0

Revision Date: 18.02.2023

Print Date: 03/07/2023

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

See sections: 7, 8, 11, 12 and 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Do not breathe vapours/dust.
Avoid exposure - obtain special instructions before use.
Avoid contact with skin and eyes.
For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.
Dispose of rinse water in accordance with local and national regulations.
Persons susceptible to skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Hygiene measures : When using do not eat or drink. When using do not smoke.
Wash hands before breaks and at the end of workday.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards.

Further information on storage stability : No decomposition if stored and applied as directed.

7.3 Specific end use(s)

Specific use(s) : No data available



SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006
Premium Blue™ GEO MA 40 Motor Oil

Version: 4.0

Revision Date: 18.02.2023

Print Date: 03/07/2023

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Contains no substances with occupational exposure limit values.

Derived No Effect Level (DNEL):

Substance name	End Use	Exposure routes	Potential health effects	Value
Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased	Workers	Inhalation	Long-term systemic effects	7.05 mg/m3
	Workers	Inhalation	Acute systemic effects	167 mg/m3
	Workers	Dermal	Long-term systemic effects	2.08 mg/kg
	Workers	Dermal	Acute systemic effects	80 mg/kg
	Consumer use	Inhalation	Long-term systemic effects	1.74 mg/m3
	Consumer use	Inhalation	Acute systemic effects	0.167 mg/m3
	Consumer use	Dermal	Long-term systemic effects	1.04 mg/kg
	Consumer use	Dermal	Acute systemic effects	40 mg/kg
	Consumer use	Oral	Long-term systemic effects	0.5 mg/kg

Predicted No Effect Concentration (PNEC):

Substance name	Environmental Compartment	Value
Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased	Sewage treatment plant	100 mg/l
	Marine sediment	3480 mg/kg
	Fresh water sediment	43500 mg/kg
	Soil	8850 mg/kg
BENZENEPROPANOIC ACID, 3,5-bis(1,1-DIMETHYLETHYL)-4-HYDROXY-, C7-9-BRANCHED ALKYL ESTERS	Sewage treatment plant	1 mg/l
	Sewage treatment plant	10 mg/l
	Fresh water sediment	60.9 mg/kg
	Marine sediment	0.037 mg/kg



SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006
Premium Blue™ GEO MA 40 Motor Oil

Version: 4.0

Revision Date: 18.02.2023

Print Date: 03/07/2023

	Fresh water sediment	0.37 mg/kg
	Fresh water sediment	233 mg/kg
	Marine sediment	0.609 mg/kg
	Marine sediment	23.3 mg/kg
	Soil	0.05 mg/kg
	Soil	3.16 mg/kg
	Soil	189 mg/kg
	Soil	1 mg/kg

8.2 Exposure controls

Personal protective equipment

Eye/face protection : Eye wash bottle with pure water
Tightly fitting safety goggles

Hand protection

Material : neoprene, nitrile rubber
Break through time : ≥ 240 min
Glove thickness : ≥ 0.35 mm
Directive : Equipment should conform to EN 374

Remarks : The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. The data about break through time/strength of material are standard values! The exact break through time/strength of material has to be obtained from the producer of the protective glove.
The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Skin and body protection : Impervious clothing
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Respiratory protection : No personal respiratory protective equipment normally required.



SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006
Premium Blue™ GEO MA 40 Motor Oil

Version: 4.0

Revision Date: 18.02.2023

Print Date: 03/07/2023

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	: liquid
Colour	: amber
Odour	: No data available
Odour Threshold	: No data available
pH	: Not applicable
Pour point	: < -30 °C
Boiling point/boiling range	: No data available
Flash point	: 230 °C Method: Pensky-Martens closed cup
Evaporation rate	: No data available
Flammability (solid, gas)	: No data available
Upper explosion limit / Upper flammability limit	: No data available
Lower explosion limit / Lower flammability limit	: No data available
Vapour pressure	: No data available
Relative vapour density	: No data available
Relative density	: No data available
Density	: ca. 0.875 g/cm ³ (15 °C)
Solubility(ies)	
Water solubility	: immiscible
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: No data available



SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006
Premium Blue™ GEO MA 40 Motor Oil

Version: 4.0

Revision Date: 18.02.2023

Print Date: 03/07/2023

Decomposition temperature : No data available

Viscosity

Viscosity, dynamic : No data available

Viscosity, kinematic : ca. 129 mm²/s (40 °C)

Oxidizing properties : No data available

9.2 Other information

Self-ignition : No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

No decomposition if stored and applied as directed.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions : No decomposition if stored and applied as directed.

10.4 Conditions to avoid

Conditions to avoid : None known.

None known.

10.5 Incompatible materials

Materials to avoid : Strong oxidizing agents

10.6 Hazardous decomposition products

No hazardous decomposition products are known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Not classified based on available information.



SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006
Premium Blue™ GEO MA 40 Motor Oil

Version: 4.0

Revision Date: 18.02.2023

Print Date: 03/07/2023

Components:

Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased:

Acute oral toxicity	: LD50 (Rat): > 5,000 mg/kg
Acute dermal toxicity	: LD50 (Rabbit): > 5,000 mg/kg

BENZENEPROPANOIC ACID, 3,5-bis(1,1-DIMETHYLETHYL)-4-HYDROXY-, C7-9-BRANCHED ALKYL ESTERS:

Acute oral toxicity	: LD50 (Rat): > 2,000 mg/kg Method: OECD Test Guideline 401 GLP: yes Assessment: The substance or mixture has no acute oral toxicity
Acute dermal toxicity	: LD50 (Rat): > 2,000 mg/kg Method: OECD Test Guideline 402 GLP: yes Assessment: The substance or mixture has no acute dermal toxicity

PHENOL, DODECYL-, BRANCHED:

Acute oral toxicity	: LD50 (Rat): 2,100 mg/kg
Acute dermal toxicity	: LD50 (Rabbit): 15,000 mg/kg

Skin corrosion/irritation

Not classified based on available information.

Product:

Remarks : May cause skin irritation and/or dermatitis.

Components:

Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased:

Species	: Rabbit
Result	: No skin irritation

BENZENEPROPANOIC ACID, 3,5-bis(1,1-DIMETHYLETHYL)-4-HYDROXY-, C7-9-BRANCHED ALKYL ESTERS:

Species	: Rabbit
Method	: OECD Test Guideline 404
Result	: No skin irritation
GLP	: yes



SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006
Premium Blue™ GEO MA 40 Motor Oil

Version: 4.0

Revision Date: 18.02.2023

Print Date: 03/07/2023

Calcium di(alkyl(C20-C24, even numbered) branched)-methyl benzenesulfonate:

Result	: Slight, transient irritation
--------	--------------------------------

PHENOL, DODECYL-, BRANCHED:

Species	: Rabbit
Result	: Corrosive after 1 to 4 hours of exposure

Serious eye damage/eye irritation

Not classified based on available information.

Product:

Remarks : Vapours may cause irritation to the eyes, respiratory system and the skin.

Components:

Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased:

Species	: Rabbit
Result	: Slight, transient irritation

BENZENEPROPANOIC ACID, 3,5-bis(1,1-DIMETHYLETHYL)-4-HYDROXY-, C7-9-BRANCHED ALKYL ESTERS:

Species	: Rabbit
Method	: OECD Test Guideline 405
Result	: No eye irritation
GLP	: yes

Calcium di(alkyl(C20-C24, even numbered) branched)-methyl benzenesulfonate:

Result	: Slight, transient irritation
--------	--------------------------------

PHENOL, DODECYL-, BRANCHED:

Species	: Rabbit
Result	: Corrosive

Respiratory or skin sensitisation

Skin sensitisation

Not classified based on available information.

Respiratory sensitisation

Not classified based on available information.



SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006
Premium Blue™ GEO MA 40 Motor Oil

Version: 4.0

Revision Date: 18.02.2023

Print Date: 03/07/2023

Product:

Remarks : Causes sensitisation.

Components:

Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased:

Test Type	: Maximisation Test
Species	: Guinea pig
Assessment	: Does not cause skin sensitisation.

Test Type	: Human Repeat Insult Patch Testing (HRIPT)
Assessment	: Does not cause skin sensitisation.

BENZENEPROPANOIC ACID, 3,5-bis(1,1-DIMETHYLETHYL)-4-HYDROXY-, C7-9-BRANCHED ALKYL ESTERS:

Test Type	: Maximisation Test
Species	: Guinea pig
Assessment	: Does not cause skin sensitisation.
Method	: OECD Test Guideline 406
Result	: Does not cause skin sensitisation.
GLP	: yes

Calcium di(alkyl(C20-C24, even numbered) branched)-methyl benzenesulfonate:

Assessment	: May cause sensitisation by skin contact.
Result	: May cause sensitisation by skin contact.

PHENOL, DODECYL-, BRANCHED:

Test Type	: Buehler Test
Species	: Guinea pig
Method	: OECD Test Guideline 406
Result	: Does not cause skin sensitisation.

Germ cell mutagenicity

Not classified based on available information.

Components:

Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased:

Genotoxicity in vitro	: Test Type: Ames test
	Test system: Salmonella typhimurium
	Metabolic activation: with and without metabolic activation
	Result: negative



SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006
Premium Blue™ GEO MA 40 Motor Oil

Version: 4.0

Revision Date: 18.02.2023

Print Date: 03/07/2023

BENZENEPROPANOIC ACID, 3,5-bis(1,1-DIMETHYLETHYL)-4-HYDROXY-, C7-9-BRANCHED ALKYL ESTERS:

Genotoxicity in vitro	:	Test Type: Chromosome aberration test in vitro
		Metabolic activation: with and without metabolic activation
		Method: OECD Test Guideline 473
		Result: negative
		GLP: yes
		Test Type: Ames test
		Metabolic activation: with and without metabolic activation
		Method: OECD Test Guideline 471
		Result: negative
		GLP: yes
		Genotoxicity in vivo
	:	Test Type: In vivo micronucleus test
		Species: Chinese hamster
		Method: OECD Test Guideline 474
		Result: negative
		GLP: yes

PHENOL, DODECYL-, BRANCHED:

Genotoxicity in vitro	:	Test Type: Ames test
		Test system: Salmonella typhimurium
		Metabolic activation: with and without metabolic activation
		Result: negative

Carcinogenicity

Not classified based on available information.

Reproductive toxicity

Not classified based on available information.

Components:

BENZENEPROPANOIC ACID, 3,5-bis(1,1-DIMETHYLETHYL)-4-HYDROXY-, C7-9-BRANCHED ALKYL ESTERS:

Effects on fertility	:	Species: Mouse
		Application Route: Oral
		Method: OECD Test Guideline 415
		Result: Animal testing did not show any effects on fertility.
		GLP: yes

PHENOL, DODECYL-, BRANCHED:

Reproductive toxicity - Assessment	:	Clear evidence of adverse effects on sexual function and fertility, and/or on development, based on animal experiments
------------------------------------	---	--



SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006
Premium Blue™ GEO MA 40 Motor Oil

Version: 4.0

Revision Date: 18.02.2023

Print Date: 03/07/2023

STOT - single exposure

Not classified based on available information.

STOT - repeated exposure

Not classified based on available information.

Repeated dose toxicity

Components:

BENZENEPROPANOIC ACID, 3,5-bis(1,1-DIMETHYLETHYL)-4-HYDROXY-, C7-9-BRANCHED ALKYL ESTERS:

Species	: Rat, male and female
NOAEL	: 5 mg/kg
Application Route	: Oral
Method	: OECD Test Guideline 407
GLP	: yes

Aspiration toxicity

Not classified based on available information.

Further information

Product:

Remarks : No data available

SECTION 12: Ecological information

12.1 Toxicity

Product:

Ecotoxicology Assessment

Acute aquatic toxicity : Not classified based on available information.

Chronic aquatic toxicity : Not classified based on available information.

Components:

Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased:

Toxicity to fish	: LC50 (Pimephales promelas (fathead minnow)): > 1.0 mg/l Exposure time: 96 h Test Type: semi-static test Test substance: WAF Remarks: No toxicity at the limit of solubility
------------------	---



SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006
Premium Blue™ GEO MA 40 Motor Oil

Version: 4.0

Revision Date: 18.02.2023

Print Date: 03/07/2023

Toxicity to daphnia and other aquatic invertebrates	: EL50 (<i>Daphnia magna</i> (Water flea)): > 1.0 mg/l Exposure time: 48 h Test Type: static test Test substance: WAF Remarks: No toxicity at the limit of solubility
Toxicity to algae/aquatic plants	: NOELR (<i>Pseudokirchneriella subcapitata</i> (green algae)): End point: Growth inhibition Exposure time: 96 h Test Type: static test Test substance: WAF Remarks: No toxicity at the limit of solubility

Ecotoxicology Assessment

Acute aquatic toxicity	: Not classified based on available information.
Chronic aquatic toxicity	: May cause long lasting harmful effects to aquatic life.

Amines, polyethylenepoly-, reaction products with succinic anhydride polyisobutenyl derivs.:

Ecotoxicology Assessment

Acute aquatic toxicity :

	: Not classified based on available information.
Chronic aquatic toxicity	: May cause long lasting harmful effects to aquatic life. Chronic aquatic toxicity Category 4; May cause long lasting harmful effects to aquatic life.

BENZENEPROPANOIC ACID, 3,5-bis(1,1-DIMETHYLETHYL)-4-HYDROXY-, C7-9-BRANCHED ALKYL ESTERS:

Toxicity to fish	: LC50 (<i>Danio rerio</i> (zebra fish)): > 100 mg/l Exposure time: 96 h Test Type: static test Method: OECD Test Guideline 203
Toxicity to daphnia and other aquatic invertebrates	: EC50 (<i>Daphnia magna</i> (Water flea)): > 100 mg/l Exposure time: 48 h Test Type: static test Test substance: WAF Method: OECD Test Guideline 202 GLP: yes
Toxicity to algae/aquatic plants	: EC50 (<i>Desmodesmus subspicatus</i> (green algae)): > 3 mg/l Exposure time: 72 h



SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006
Premium Blue™ GEO MA 40 Motor Oil

Version: 4.0

Revision Date: 18.02.2023

Print Date: 03/07/2023

	<p>Test Type: static test Method: OECD Test Guideline 201 GLP: yes Remarks: No toxicity at the limit of solubility</p> <p>NOEC (Desmodesmus subspicatus (green algae)): >= 3 mg/l Exposure time: 72 h Test Type: static test Method: OECD Test Guideline 201 GLP: yes Remarks: No toxicity at the limit of solubility</p>
Toxicity to microorganisms	<p>: EC50 (activated sludge): > 100 mg/l Exposure time: 3 h Test Type: Static Method: OECD Test Guideline 209 GLP: yes</p>
Toxicity to fish (Chronic toxicity)	<p>: NOEC: 0.001 mg/l Exposure time: 36 d Species: Danio rerio (zebra fish) Test Type: flow-through test Test substance: WAF Method: OECD Test Guideline 210 GLP: yes</p>
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	<p>: NOEC: ca. 0.01 mg/l Exposure time: 21 d Species: Daphnia magna (Water flea) Test Type: semi-static test Method: OECD Test Guideline 211 GLP: yes Remarks: No toxicity at the limit of solubility</p>

Ecotoxicology Assessment

Acute aquatic toxicity :

	<p>Not classified based on available information.</p>
Chronic aquatic toxicity	<p>: May cause long lasting harmful effects to aquatic life.</p> <p>Chronic aquatic toxicity Category 4; May cause long lasting harmful effects to aquatic life.</p>



SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006
Premium Blue™ GEO MA 40 Motor Oil

Version: 4.0

Revision Date: 18.02.2023

Print Date: 03/07/2023

Calcium di(alkyl(C20-C24, even numbered) branched)-methyl benzenesulfonate:

Ecotoxicology Assessment

Acute aquatic toxicity :

Not classified based on available information.

Chronic aquatic toxicity : May cause long lasting harmful effects to aquatic life.

Chronic aquatic toxicity Category 4; May cause long lasting harmful effects to aquatic life.

PHENOL, DODECYL-, BRANCHED:

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 3.2 mg/l
Exposure time: 96 h
Test Type: static test
Test substance: WAF
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0.037 mg/l
Exposure time: 48 h
Test Type: static test
Method: OECD Test Guideline 202

Toxicity to algae/aquatic plants : EC50 (Desmodesmus subspicatus (green algae)): 0.36 mg/l
End point: Growth inhibition
Exposure time: 72 h
Test Type: static test
Method: OECD Test Guideline 201

NOEC (Desmodesmus subspicatus (green algae)): 0.07 mg/l
End point: Growth inhibition
Exposure time: 72 h
Test Type: static test
Method: OECD Test Guideline 201

M-Factor (Acute aquatic toxicity) : 10

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 0.004 mg/l
Exposure time: 21 d
Species: Daphnia magna (Water flea)
Test Type: semi-static test
Method: OECD Test Guideline 211

M-Factor (Chronic aquatic toxicity) : 10



SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006
Premium Blue™ GEO MA 40 Motor Oil

Version: 4.0

Revision Date: 18.02.2023

Print Date: 03/07/2023

Ecotoxicology Assessment

Acute aquatic toxicity :

Not classified based on available information.

Chronic aquatic toxicity :

Not classified based on available information.

12.2 Persistence and degradability

Components:

Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased:

Biodegradability : Result: **Not readily biodegradable.**
Biodegradation: **< 10 %**
Exposure time: **28 d**
Method: **Modified Sturm Test**
Remarks: **The toxicological data has been taken from products of similar composition.**

BENZENEPROPANOIC ACID, 3,5-bis(1,1-DIMETHYLETHYL)-4-HYDROXY-, C7-9-BRANCHED ALKYL ESTERS:

Biodegradability : Result: **Not readily biodegradable.**
Biodegradation: **< 4 %**
Exposure time: **28 d**
Method: **OECD Test Guideline 301B**
GLP: **yes**

PHENOL, DODECYL-, BRANCHED:

Biodegradability : Result: **Not readily biodegradable.**
Biodegradation: **6 %**
Exposure time: **28 d**
Method: **OECD Test Guideline 301B**

12.3 Bioaccumulative potential

Components:

Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased:

Partition coefficient: n-octanol/water : log Pow: **9.5**



SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006
Premium Blue™ GEO MA 40 Motor Oil

Version: 4.0

Revision Date: 18.02.2023

Print Date: 03/07/2023

BENZENEPROPANOIC ACID, 3,5-bis(1,1-DIMETHYLETHYL)-4-HYDROXY-, C7-9-BRANCHED ALKYL ESTERS:

Bioaccumulation : Species: **Fish**
Bioconcentration factor (BCF): **260**
Method: **OECD Test Guideline 305**
Remarks: **The substance has low potential for bioaccumulation.**

Partition coefficient: n-octanol/water : log Pow: **Calculated 9.2**

PHENOL, DODECYL-, BRANCHED:

Partition coefficient: n-octanol/water : log Pow: **7.1**

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects

Product:

Endocrine disrupting potential : This substance/mixture contains components considered to have endocrine disrupting properties for environment, according to REACH Article 57(f), Commission Regulation (EU) 2018/605 or Commission Delegated Regulation (EU) 2017/2100.

Additional ecological information : No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : Do not dispose of waste into sewer.
Do not contaminate ponds, waterways or ditches with



SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006
Premium Blue™ GEO MA 40 Motor Oil

Version: 4.0

Revision Date: 18.02.2023

Print Date: 03/07/2023

	chemical or used container. Send to a licensed waste management company.
Contaminated packaging	: Empty remaining contents. Dispose of as unused product. Do not re-use empty containers.
Waste Code	: The Waste code should be assigned in discussion between the user and the waste disposal company. The following Waste Codes are only suggestions: 13 02 05, mineral-based non-chlorinated engine, gear and lubricating oils

SECTION 14: Transport information

14.1 UN number

ADR	: Not regulated as a dangerous good
RID	: Not regulated as a dangerous good
IMDG	: Not regulated as a dangerous good
IATA_P	: Not regulated as a dangerous good

14.2 UN proper shipping name

ADR	: Not regulated as a dangerous good
RID	: Not regulated as a dangerous good
IMDG	: Not regulated as a dangerous good
IATA_P	: Not regulated as a dangerous good

14.3 Transport hazard class(es)

ADR	: Not regulated as a dangerous good
RID	: Not regulated as a dangerous good
IMDG	: Not regulated as a dangerous good
IATA_P	: Not regulated as a dangerous good

14.4 Packing group

ADR	: Not regulated as a dangerous good
RID	: Not regulated as a dangerous good
IMDG	: Not regulated as a dangerous good



SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006
Premium Blue™ GEO MA 40 Motor Oil

Version: 4.0

Revision Date: 18.02.2023

Print Date: 03/07/2023

IATA (Cargo) : Not regulated as a dangerous good

IATA_P (Passenger) : Not regulated as a dangerous good

14.5 Environmental hazards

Not regulated as a dangerous good

14.6 Special precautions for user

Not applicable

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable for product as supplied.

Dangerous goods descriptions (if indicated above) may not reflect quantity, end-use or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.

SECTION 15: Regulatory information

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

Relevant EU provisions transposed through retained EU law

UK REACH Candidate list of substances of very high concern (SVHC) for Authorisation : Not applicable

The Persistent Organic Pollutants Regulations (retained Regulation (EU) 2019/1021 as amended for Great Britain) : Not applicable

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not applicable

UK REACH List of substances subject to authorisation (Annex XIV) : Not applicable

Control of Major Accident Hazards Regulations 2015 (COMAH) : Not applicable

Other regulations:

The components of this product are reported in the following inventories:

TCSI : On the inventory, or in compliance with the inventory

TSCA : All substances listed as active on the TSCA inventory

AIIC : Not in compliance with the inventory

DSL : All components of this product are on the Canadian DSL



SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006
Premium Blue™ GEO MA 40 Motor Oil

Version: 4.0

Revision Date: 18.02.2023

Print Date: 03/07/2023

ENCS	: On the inventory, or in compliance with the inventory
KECI	: On the inventory, or in compliance with the inventory
PICCS	: On the inventory, or in compliance with the inventory
IECSC	: Not in compliance with the inventory
NZIoC	: Not in compliance with the inventory

15.2 Chemical safety assessment

No data available

Inventories

AIIC (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TECI (Thailand), TSCA (USA)

SECTION 16: Other information

Full text of H-Statements

H314	: Causes severe skin burns and eye damage.
H317	: May cause an allergic skin reaction.
H360	: May damage fertility or the unborn child.
H400	: Very toxic to aquatic life.
H410	: Very toxic to aquatic life with long lasting effects.
H413	: May cause long lasting harmful effects to aquatic life.

Full text of other abbreviations

Aquatic Acute	: Short-term (acute) aquatic hazard
Aquatic Chronic	: Long-term (chronic) aquatic hazard
Repr.	: Reproductive toxicity
Skin Corr.	: Skin corrosion
Skin Sens.	: Skin sensitisation

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC -



SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006
Premium Blue™ GEO MA 40 Motor Oil

Version: 4.0

Revision Date: 18.02.2023

Print Date: 03/07/2023

International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Further information

Internal information : 000000247307

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

GB / EN