



**SAFETY DATA SHEET**  
according to Regulation (EC) No. 1907/2006  
NAPA® N24460L HP 10W60 FS Synthetic Motor  
Oil

Version: 7.0

Revision Date: 07.07.2023

Print Date: 16/10/2023

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

### 1.1 Product identifier

Trade name : NAPA® N24460L HP 10W60 FS  
Synthetic Motor Oil

Product code : 903409

### 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 Global  
Operations  
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@valvolineglobal.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

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## 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)**

Long-term (chronic) aquatic hazard,  
Category 3

H412: Harmful to aquatic life with long lasting  
effects.



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**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)**

Hazard statements : H412 Harmful to aquatic life with long lasting effects.

Precautionary statements : **Prevention:**  
 P273 Avoid release to the environment.  
**Disposal:**  
 P501 Dispose of contents/ container to an approved waste disposal plant.

**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)
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC	64742-54-7 265-157-1 649-467-00-8 01-2119484627-25- xxxx	Asp. Tox. 1; H304	>= 5 - < 10
Reaction products of Benzeneamine, N-phenyl- with nonene (branched)	36878-20-3 253-249-4 01-2119488911-28- xxxx	Aquatic Chronic 4; H413	>= 2.5 - < 5
PHOSPHORODITHIOIC ACID, MIXED O,O-BIS(1,3- DIMETHYLBUTYL AND ISO-PR) ESTERS, ZINC SALTS	84605-29-8 283-392-8 01-2119493626-26- xxxx	Skin Irrit. 2; H315 Eye Dam. 1; H318 Aquatic Chronic 2; H411  specific concentration limit Skin Irrit. 2; H315	>= 1 - < 2.5



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		>= 6.25 % Eye Dam. 1; H318 >= 12.5 % Eye Irrit. 2; H319 >= 10.0 %	
BUTYLATED HYDROXY TOLUENE	128-37-0 204-881-4 01-2119565113-46- xxxx	Aquatic Acute 1; H400 Aquatic Chronic 1; H410 <hr/> M-Factor (Acute aquatic toxicity): 1 M-Factor (Chronic aquatic toxicity): 1	>= 0.1 - < 0.25

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 skin irritation persists, call a physician.  
If on skin, rinse well with water.  
If on clothes, remove clothes.
- In case of eye contact : Immediately flush eye(s) with plenty of water.  
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.



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

Symptoms : No symptoms known or expected.

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

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

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**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  
Nitrogen oxides (NOx)

**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.

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**SECTION 6: Accidental release measures**

**6.1 Personal precautions, protective equipment and emergency procedures**

Personal precautions : Use personal protective equipment.



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### 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.

### 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.

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling : Do not breathe vapours/dust.  
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.

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. Containers which are opened must be carefully  
resealed and kept upright to prevent leakage. 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)



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Specific use(s) : No data available

**SECTION 8: Exposure controls/personal protection**

**8.1 Control parameters**

**Occupational Exposure Limits**

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
BUTYLATED HYDROXY TOLUENE	128-37-0	TWA	10 mg/m3	GB EH40

**8.2 Exposure controls**

**Personal protective equipment**

Eye/face protection : Eye wash bottle with pure water  
 Tightly fitting safety goggles  
 Wear face-shield and protective suit for abnormal processing problems.

Hand protection

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

Remarks : Nitrile rubber butyl-rubber  
 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



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- 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.

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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

- Appearance : liquid
- Colour : amber
- Odour : oily
- Odour Threshold : No data available
- pH : Not applicable
- Pour point : < -33 °C
- Boiling point/boiling range : > 225 °C
- Flash point : 236 °C  
Method: Cleveland open 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 : 0.00004 hPa  
Calculated Vapor Pressure
- Relative vapour density : No data available



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Relative density	:	ca. 0.866 (15.6 °C)
Density	:	ca. 0.867 g/cm <sup>3</sup> (15.6 °C)
Solubility(ies)		
Water solubility	:	insoluble
Solubility in other solvents	:	No data available
Partition coefficient: n-octanol/water	:	No data available
Decomposition temperature	:	No data available
Viscosity		
Viscosity, dynamic	:	No data available
Viscosity, kinematic	:	ca. 149 mm <sup>2</sup> /s (40 °C)
Oxidizing properties	:	No data available

## 9.2 Other information

Self-ignition	:	No data available
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## 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.
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### 10.4 Conditions to avoid

Conditions to avoid	:	excessive heat
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### 10.5 Incompatible materials

Materials to avoid	:	Acid chlorides Acids
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alkalis  
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.

**Components:**

**DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC:**

Acute oral toxicity : LD50 (Rat): > 15 g/kg  
Acute dermal toxicity : LD50 (Rabbit): > 5 g/kg

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

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg  
Remarks: No mortality observed at this dose.  
Acute dermal toxicity : LD50 (Rat): > 2,000 mg/kg  
Assessment: The substance or mixture has no acute dermal toxicity  
Remarks: The toxicological data has been taken from products of similar composition.

**PHOSPHORODITHIOIC ACID, MIXED O,O-BIS(1,3-DIMETHYLBUTYL AND ISO-PR) ESTERS, ZINC SALTS:**

Acute inhalation toxicity : LC50 (Rat): > 2.3 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour  
Assessment: The substance or mixture has no acute inhalation toxicity  
Acute dermal toxicity : LD50 (Rat): > 2,000 mg/kg  
Assessment: The substance or mixture has no acute dermal toxicity

**BUTYLATED HYDROXY TOLUENE:**



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Acute oral toxicity	:	LD50 (Rat): > 6,000 mg/kg Method: OECD Test Guideline 401 GLP: yes
Acute dermal toxicity	:	LD50 (Rat): > 2,000 mg/kg Assessment: The substance or mixture has no acute dermal toxicity Remarks: No mortality observed at this dose.

**Skin corrosion/irritation**

Not classified based on available information.

**Product:**

Remarks : May cause skin irritation and/or dermatitis.

**Components:**

**DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC:**

Assessment	:	Slight, transient irritation
Result	:	Slight, transient irritation

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

Species	:	Rabbit
Result	:	Mild skin irritation
Remarks	:	The toxicological data has been taken from products of similar composition.

**PHOSPHORODITHIOIC ACID, MIXED O,O-BIS(1,3-DIMETHYLBUTYL AND ISO-PR) ESTERS, ZINC SALTS:**

Species	:	Rabbit
Result	:	Irritating to skin.

**BUTYLATED HYDROXY TOLUENE:**

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

**Serious eye damage/eye irritation**

Not classified based on available information.

**Product:**

Result : Slight, transient irritation



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Remarks : Expected based on components.

Remarks : May cause irreversible eye damage.

**Components:**

**DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC:**

Assessment : No eye irritation  
Result : No eye irritation

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

Species : Rabbit  
Result : Slight, transient irritation  
Remarks : The toxicological data has been taken from products of similar composition.

**PHOSPHORODITHIOIC ACID, MIXED O,O-BIS(1,3-DIMETHYLBUTYL AND ISO-PR) ESTERS, ZINC SALTS:**

Species : Rabbit  
Result : Corrosive

**BUTYLATED HYDROXY TOLUENE:**

Species : Rabbit  
Method : OECD Test Guideline 405  
Result : Slight, transient irritation

**Respiratory or skin sensitisation**

**Skin sensitisation**

Not classified based on available information.

**Respiratory sensitisation**

Not classified based on available information.

**Components:**

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

Species : Guinea pig  
Assessment : Does not cause skin sensitisation.  
Method : OECD Test Guideline 406  
Remarks : The toxicological data has been taken from products of similar composition.



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**PHOSPHORODITHIOIC ACID, MIXED O,O-BIS(1,3-DIMETHYLBUTYL AND ISO-PR) ESTERS,  
ZINC SALTS:**

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

**BUTYLATED HYDROXY TOLUENE:**

Assessment	:	Does not cause skin sensitisation.
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**Germ cell mutagenicity**

Not classified based on available information.

**Components:**

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

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

**PHOSPHORODITHIOIC ACID, MIXED O,O-BIS(1,3-DIMETHYLBUTYL AND ISO-PR) ESTERS,  
ZINC SALTS:**

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

**BUTYLATED HYDROXY TOLUENE:**

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.



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**Components:**

**DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC:**

Carcinogenicity - Assessment : Classified based on DMSO extract content < 3% (Regulation (EC) 1272/2008, Annex VI, Part 3, Note L)

**Reproductive toxicity**

Not classified based on available information.

**STOT - single exposure**

Not classified based on available information.

**STOT - repeated exposure**

Not classified based on available information.

**Aspiration toxicity**

Not classified based on available information.

**Components:**

**DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC:**

|| May be fatal if swallowed and enters airways.

**Further information**

**Product:**

Remarks : No data available

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**SECTION 12: Ecological information**

**12.1 Toxicity**

**Product:**

**Ecotoxicology Assessment**

Acute aquatic toxicity : Harmful to aquatic life.

Chronic aquatic toxicity : Harmful to aquatic life with long lasting effects.

**Components:**

**DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC:**



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Toxicity to fish	: LL50 (Fish): > 100 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	: EL50 (Aquatic invertebrates): > 10,000 mg/l Exposure time: 48 h
Toxicity to algae/aquatic plants	: EL50 (Algae, algal mat (Algae)): > 100 mg/l Exposure time: 72 h
Toxicity to fish (Chronic toxicity)	: NOEC: 10 mg/l Species: Fish
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	: NOEC: 10 mg/l Species: Aquatic invertebrates

**Ecotoxicology Assessment**

Acute aquatic toxicity	: Not classified based on available information.
Chronic aquatic toxicity	: Not classified based on available information.

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

Toxicity to fish	: LC50 (Danio rerio (zebra fish)): > 100 mg/l Exposure time: 96 h Test Type: static test Remarks: The toxicological data has been taken from products of similar composition.
Toxicity to daphnia and other aquatic invertebrates	: EC50 (Daphnia magna (Water flea)): > 100 mg/l Exposure time: 48 h Test Type: static test Test substance: WAF
Toxicity to algae/aquatic plants	: EC50 (Pseudokirchneriella subcapitata (algae)): 600 mg/l End point: Growth inhibition Exposure time: 72 h Test Type: static test

**Ecotoxicology Assessment**

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



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**PHOSPHORODITHIOIC ACID, MIXED O,O-BIS(1,3-DIMETHYLBUTYL AND ISO-PR) ESTERS,  
ZINC SALTS:**

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : **NOEC: 0.4 mg/l**  
End point: **Reproduction Test**  
Exposure time: **28 d**  
Species: **Daphnia magna (Water flea)**  
Test substance: **WAF**  
Method: **OECD Test Guideline 211**

**Ecotoxicology Assessment**

Acute aquatic toxicity : **Not classified based on available information.**  
Chronic aquatic toxicity : **Not classified based on available information.**

**BUTYLATED HYDROXY TOLUENE:**

Toxicity to fish : **LC50 (Fish): estimated 0.199 mg/l**  
Exposure time: **96 h**  
Remarks: **QSAR**

Toxicity to daphnia and other aquatic invertebrates : **EC50 (Daphnia magna (Water flea)): 0.48 mg/l**  
Exposure time: **48 h**  
Test Type: **static test**  
Method: **OECD Test Guideline 202**

M-Factor (Acute aquatic toxicity) : **1**

Toxicity to fish (Chronic toxicity) : **NOEC: 0.053 mg/l**  
Exposure time: **42 d**  
Species: **Oryzias latipes (Orange-red killifish)**  
Test Type: **flow-through test**

M-Factor (Chronic aquatic toxicity) : **1**

**Ecotoxicology Assessment**

Acute aquatic toxicity : **Acute aquatic toxicity Category 1; Very toxic to aquatic life.**  
Chronic aquatic toxicity : **Chronic aquatic toxicity Category 1; Very toxic to aquatic life with long lasting effects.**



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## 12.2 Persistence and degradability

### Components:

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

Biodegradability : Result: **Not readily biodegradable.**  
Biodegradation: **0 %**  
Exposure time: **28 d**  
Method: **OECD Test Guideline 301B**

#### PHOSPHORODITHIOIC ACID, MIXED O,O-BIS(1,3-DIMETHYLBUTYL AND ISO-PR) ESTERS, ZINC SALTS:

Biodegradability : Result: **Not readily biodegradable.**  
Biodegradation: **1.5 %**  
Exposure time: **28 d**  
Method: **OECD Test Guideline 301B**

#### BUTYLATED HYDROXY TOLUENE:

Biodegradability : Result: **Not readily biodegradable.**  
Biodegradation: **4.5 %**  
Exposure time: **28 d**  
Method: **OECD Test Guideline 301C**

Physico-chemical removability : Remarks: **The product can be degraded by abiotic (e.g. chemical or photolytic) processes.**

## 12.3 Bioaccumulative potential

### Components:

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

Partition coefficient: n-octanol/water : log Pow: **> 7.5**

#### PHOSPHORODITHIOIC ACID, MIXED O,O-BIS(1,3-DIMETHYLBUTYL AND ISO-PR) ESTERS, ZINC SALTS:

Partition coefficient: n-octanol/water : log Pow: **0.56**

#### BUTYLATED HYDROXY TOLUENE:

Partition coefficient: n-octanol/water : log Pow: **4.17 (21 °C)**





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**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 : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.  
Harmful to aquatic life with long lasting effects.

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**SECTION 13: Disposal considerations**

**13.1 Waste treatment methods**

Product : The product should not be allowed to enter drains, water courses or the soil.  
Do not contaminate ponds, waterways or ditches with 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.

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**SECTION 14: Transport information**

**14.1 UN number**



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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  
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.



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NAPA® N24460L HP 10W60 FS Synthetic Motor  
Oil

Version: 7.0

Revision Date: 07.07.2023

Print Date: 16/10/2023

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## 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 List of restrictions (Annex 17)	:	Conditions of restriction for the following entries should be considered: Number on list 3
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:

Take note of The Management of Health and Safety at Work Regulations 1999 (requirements relating to new and expectant mothers at work contained in Regulation 16 to 18) and of the Pregnant Workers Directive 92/85/EEC.

Take note of The Management of Health and Safety at Work Regulations 1999 (requirements relating to protection of young people at work contained in Regulation 19) and of Directive 94/33/EC on the protection of young people at work.

#### 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
ENCS	:	Contact your sales representative for additional information.



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KECI	:	On the inventory, or in compliance with the inventory
PICCS	:	On the inventory, or in compliance with the inventory
IECSC	:	On the inventory, or 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)

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## SECTION 16: Other information

### Full text of H-Statements

H304	:	May be fatal if swallowed and enters airways.
H315	:	Causes skin irritation.
H318	:	Causes serious eye damage.
H400	:	Very toxic to aquatic life.
H410	:	Very toxic to aquatic life with long lasting effects.
H411	:	Toxic to aquatic life with long lasting effects.
H413	:	May cause long lasting harmful effects to aquatic life.

### Full text of other abbreviations

Aquatic Acute	:	Short-term (acute) aquatic hazard
Aquatic Chronic	:	Long-term (chronic) aquatic hazard
Asp. Tox.	:	Aspiration hazard
Eye Dam.	:	Serious eye damage
Skin Irrit.	:	Skin irritation
GB EH40	:	UK. EH40 WEL - Workplace Exposure Limits
GB EH40 / TWA	:	Long-term exposure limit (8-hour TWA reference period)

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%



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growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - 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 : R0517747

#### Classification of the mixture:

Aquatic Chronic 3                      H412

#### Classification procedure:

Based on product data or assessment

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.

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