



**SAFETY DATA SHEET**  
according to Regulation (EC) No. 1907/2006  
NAPA® NT106BK500L SHPD E7 15W40 Motor  
Oil

Version: 13.0

Revision Date: 28.07.2023

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® NT106BK500L SHPD E7 15W40  
Motor Oil

Product code : 903470

**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, 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)**

Not a hazardous substance or mixture.



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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)**

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

#### Additional Labelling

EUH210 Safety data sheet available on request.

EUH208 Contains MALEIC ANHYDRIDE, Reaction products of benzenesulfonic acid, mono- C20-24 (even)-sec-alkyl derivs. para-, calcium salts. May produce an allergic reaction.

### 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)
Mineral Oil	Not Assigned  01-2119484627-25-xxxx, 01-2119471299-27-xxxx, 01-2119487077-29-xxxx, 01-2119480132-48-xxxx	Asp. Tox. 1; H304	>= 5 - < 10
Reaction products of benzenesulfonic acid, mono- C20-24 (even)-sec-alkyl derivs. para-, calcium salts	Not Assigned 947-519-7 01-2120765489-36-xxxx	Skin Sens. 1B; H317	>= 0.1 - < 0.5
MALEIC ANHYDRIDE	108-31-6 203-571-6 607-096-00-9	Acute Tox. 4; H302 Skin Corr. 1B; H314	>= 0 - < 0.001



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	01-2119472428-31-xxxx	<p>Eye Dam. 1; H318 Resp. Sens. 1; H334 Skin Sens. 1A; H317 STOT RE 1; H372 (Respiratory system)</p> <hr/> <p>specific concentration limit Skin Sens. 1A; H317 ≥ 0.001 %</p>	
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For explanation of abbreviations see section 16.

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

- General advice : 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 eye contact : Remove contact lenses.  
Protect unharmed eye.  
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.

#### 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.



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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

Hazardous combustion products : carbon dioxide and carbon monoxide

### 5.3 Advice for firefighters

Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

Further information : Standard procedure for chemical fires.  
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

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## SECTION 6: Accidental release measures

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

Personal precautions : Refer to protective measures listed in sections 7 and 8.  
Use personal protective equipment.

### 6.2 Environmental precautions

Environmental precautions : 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 : Wipe up with absorbent material (e.g. cloth, fleece).  
Keep in suitable, closed containers for disposal.



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#### 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 : For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.
- Advice on protection against fire and explosion : Normal measures for preventive fire protection.
- Hygiene measures : General industrial hygiene practice.

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

- Requirements for storage areas and containers : Electrical installations / working materials must comply with the technological safety standards.
- Advice on common storage : No materials to be especially mentioned.
- 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

### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

##### Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
MALEIC ANHYDRIDE	108-31-6	TWA	1 mg/m3	GB EH40
	Further information: Capable of causing occupational asthma.			
		STEL	3 mg/m3	GB EH40
	Further information: Capable of causing occupational asthma.			

**Predicted No Effect Concentration (PNEC):**



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Substance name	Environmental Compartment	Value
MALEIC ANHYDRIDE	Fresh water	0.04281 mg/l
	Marine water	0.00428 mg/l
	Fresh water sediment	0.334 mg/kg
	Marine sediment	0.0334 mg/kg
	Sewage treatment plant	44.6 mg/l
	Soil	0.0415 mg/kg

### 8.2 Exposure controls

#### Personal protective equipment

Eye/face protection : Safety glasses

#### Hand protection

Material : neoprene, nitrile rubber  
Break through time :  $\geq 240$  min  
Glove thickness :  $\geq 0.35$  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.

Skin and body protection : Protective suit

Respiratory protection : No personal respiratory protective equipment normally required.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance : liquid

Colour : amber



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Odour	: oily
Odour Threshold	: No data available
pH	: Not applicable
Pour point	: < -33 °C
Boiling point/boiling range	: No data available
Flash point	: 236 °C Method: Cleveland open cup
Evaporation rate	: Not applicable
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	: 0.879 g/cm <sup>3</sup> (15.6 °C)
Bulk density	: Not applicable
Solubility(ies)	
Water solubility	: insoluble
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: Not applicable
Decomposition temperature	: No data available
Viscosity	
Viscosity, dynamic	: < 6,800 mPa.s (-20 °C)



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Viscosity, kinematic : 113 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 : Stable under recommended storage conditions.  
No hazards to be specially mentioned.

**10.4 Conditions to avoid**

Conditions to avoid : None known.

**10.5 Incompatible materials**

Materials to avoid : Amines  
Metals  
strong alkalis  
Strong oxidizing agents  
water

**10.6 Hazardous decomposition products**

No hazardous decomposition products are known.

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**SECTION 11: Toxicological information**

**11.1 Information on toxicological effects**

**Acute toxicity**

Not classified based on available information.





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**Components:**

**MALEIC ANHYDRIDE:**

Acute oral toxicity	:	LD50 (Rat): 1,090 mg/kg
Acute inhalation toxicity	:	LC50 (Rat): > 4.35 mg/l Exposure time: 1 h Test atmosphere: dust/mist Assessment: The substance or mixture has no acute inhalation toxicity
Acute dermal toxicity	:	LD50 (Rabbit): 2,620 mg/kg

**Skin corrosion/irritation**

Not classified based on available information.

**Components:**

**MALEIC ANHYDRIDE:**

Result	:	Corrosive after 3 minutes to 1 hour of exposure
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**Serious eye damage/eye irritation**

Not classified based on available information.

**Product:**

Result	:	No eye irritation
Remarks	:	Expected based on components.

**Components:**

**MALEIC ANHYDRIDE:**

Result	:	Corrosive
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**Respiratory or skin sensitisation**

**Skin sensitisation**

Not classified based on available information.

**Respiratory sensitisation**

Not classified based on available information.



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### Components:

Reaction products of benzenesulfonic acid, mono- C20-24 (even)-sec-alkyl derivs. para-, calcium salts:

Assessment : The product is a skin sensitiser, sub-category 1B.

### MALEIC ANHYDRIDE:

Test Type : Buehler Test  
Exposure routes : Skin contact  
Species : Guinea pig  
Assessment : The product is a skin sensitiser, sub-category 1A.  
Result : positive

Test Type : Local lymph node assay  
Exposure routes : Skin contact  
Species : Mouse  
Assessment : The product is a skin sensitiser, sub-category 1A.  
Result : May cause sensitisation by skin contact.

Exposure routes : Skin contact  
Species : Humans  
Result : Causes sensitisation.

Exposure routes : inhalation (dust/mist/fume)  
Species : Rat  
Assessment : May cause sensitisation by inhalation.  
Result : Causes sensitisation.

Exposure routes : inhalation (dust/mist/fume)  
Species : Human  
Result : Causes sensitisation.

### Germ cell mutagenicity

Not classified based on available information.

### Components:

### MALEIC ANHYDRIDE:

Genotoxicity in vitro : Test Type: Ames test  
Metabolic activation: with and without metabolic activation  
Result: negative  
Test Type: In vitro mammalian cell gene mutation test



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Genotoxicity in vivo	Metabolic activation:	with and without metabolic activation
	Result:	negative
	Test Type:	Mammalian bone marrow sister chromatid exchange
	Species:	Rat (male and female)
	Application Route:	Inhalation
	Result:	negative

### Carcinogenicity

Not classified based on available information.

#### Components:

##### MALEIC ANHYDRIDE:

Species	:	Rat, male and female
Application Route	:	Oral
NOAEL	:	100 mg/kg bw/day

### Reproductive toxicity

Not classified based on available information.

#### Components:

##### MALEIC ANHYDRIDE:

Effects on fertility	:	Test Type: Two-generation study
		Species: Rat, male and female
		Application Route: Oral
		Fertility: NOAEL Mating/Fertility: 55 mg/kg body weight
Effects on foetal development	:	Test Type: Fertility/early embryonic development
		Species: Rat, female
		Application Route: Oral
		Developmental Toxicity: NOAEL F1: 140 mg/kg body weight

### STOT - single exposure

Not classified based on available information.

### STOT - repeated exposure

Not classified based on available information.

#### Components:

##### MALEIC ANHYDRIDE:

Exposure routes	:	inhalation (vapour)
Target Organs	:	Respiratory system



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Assessment	:	Causes damage to organs through prolonged or repeated exposure.
Exposure routes	:	Ingestion
Target Organs	:	Kidney
Assessment	:	May cause damage to organs through prolonged or repeated exposure.

### Repeated dose toxicity

#### Components:

##### MALEIC ANHYDRIDE:

Species	:	Rat, male
NOAEL	:	40 mg/kg
Application Route	:	Oral
Exposure time	:	CUST-N11.00322330

Species	:	Rat, male
LOAEL	:	100 mg/kg
Application Route	:	Oral
Exposure time	:	CUST-N11.00322330

Species	:	Rat, male and female
NOAEL	:	10 mg/kg
Application Route	:	Oral
Exposure time	:	2 yr

Species	:	Rat, male and female
LOAEL	:	32 mg/kg
Application Route	:	Oral
Exposure time	:	2 yr

Species	:	Rat, male and female
NOAEL	:	0.0033 mg/l
Application Route	:	inhalation (vapour)
Exposure time	:	132 - 136 d

Species	:	Rat, male and female
LOAEL	:	0.0098 mg/l
Application Route	:	inhalation (vapour)
Exposure time	:	132 - 136 d

Species	:	Rat, male and female
LOAEL	:	0.0011 mg/l
Application Route	:	inhalation (vapour)



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Exposure time	:	132 - 136 d
Symptoms	:	Local irritation

Species	:	Hamster, male and female
NOAEL	:	0.0098 mg/l
Application Route	:	inhalation (vapour)
Exposure time	:	132 - 136 d

Species	:	Hamster, male and female
LOAEL	:	0.0011 mg/l
Application Route	:	inhalation (vapour)
Exposure time	:	132 - 136 d
Symptoms	:	Local irritation

Species	:	Monkey, male and female
NOAEL	:	0.0098 mg/l
Application Route	:	inhalation (vapour)
Exposure time	:	132 - 136 d

Species	:	Monkey, male and female
LOAEL	:	0.0011 mg/l
Application Route	:	inhalation (vapour)
Exposure time	:	132 - 136 d
Symptoms	:	Local irritation

### Aspiration toxicity

Not classified based on available information.

### Components:

#### Mineral Oil:

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

##### Components:

Reaction products of benzenesulfonic acid, mono- C20-24 (even)-sec-alkyl derivs. para-, calcium salts:

Toxicity to fish	:	LC50 ( <i>Oncorhynchus mykiss</i> (rainbow trout)): > 100 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	:	EC50 ( <i>Daphnia magna</i> (Water flea)): > 1,000 mg/l Exposure time: 48 h
Toxicity to algae/aquatic plants	:	EC50 ( <i>Selenastrum capricornutum</i> (green algae)): > 1,000 mg/l Exposure time: 96 h

##### **Ecotoxicology Assessment**

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

##### **MALEIC ANHYDRIDE:**

Toxicity to fish	:	LC50 (Fish): 75 mg/l Exposure time: 96 h Method: Static Remarks: Mortality  LC50 ( <i>Gambusia affinis</i> (Mosquito fish)): 230 mg/l Exposure time: 96 h Method: Static Remarks: Mortality
Toxicity to daphnia and other aquatic invertebrates	:	EC50 ( <i>Daphnia magna</i> (Water flea)): 43 mg/l Exposure time: 48 h Test Type: static test
Toxicity to algae/aquatic plants	:	EC10 ( <i>Pseudokirchneriella subcapitata</i> (green algae)): 12 mg/l Exposure time: 72 h Test Type: Growth inhibition  EC50 ( <i>Pseudokirchneriella subcapitata</i> (green algae)): 74 mg/l Exposure time: 72 h



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Test Type: **Growth inhibition**

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : **NOEC: 10 mg/l**  
End point: **Reproduction Test**  
Exposure time: **21 d**  
Species: **Daphnia magna (Water flea)**  
Test Type: **semi-static test**

### Ecotoxicology Assessment

Acute aquatic toxicity : **Acute aquatic toxicity Category 3; Harmful to aquatic life.**

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

## 12.2 Persistence and degradability

### Components:

Reaction products of benzenesulfonic acid, mono- C20-24 (even)-sec-alkyl derivs. para-, calcium salts:

Biodegradability : Biodegradation: **8 %**  
Exposure time: **28 d**  
Method: **OECD Test Guideline 301D**

### MALEIC ANHYDRIDE:

Biodegradability : Test Type: **aerobic**  
Inoculum: **activated sludge**  
Result: **Readily biodegradable.**  
Biodegradation: **81 %**  
Exposure time: **28 d**  
Method: **OECD Test Guideline 301E**

## 12.3 Bioaccumulative potential

### Components:

### MALEIC ANHYDRIDE:

Partition coefficient: n-octanol/water : Remarks: **Not applicable**

## 12.4 Mobility in soil

No data available



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## 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.

**Components:**

**MALEIC ANHYDRIDE:**

Assessment : This substance is not considered to be persistent, bioaccumulating and toxic (PBT).. This substance is not considered to be very persistent and very bioaccumulating (vPvB).

## 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 : No data available

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.

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





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## 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  
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.



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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 List of restrictions (Annex 17) : Not applicable

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 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 : Not in compliance with the inventory

TSCA : Product contains substance(s) not listed on TSCA inventory.

AIIC : Not in compliance with the inventory

DSL : This product contains the following components that are not on the Canadian DSL nor NDSL.

Lubrizol CV2301 - EMEA and SG

ENCS : Not in compliance with the inventory



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

H302	: Harmful if swallowed.
H304	: May be fatal if swallowed and enters airways.
H314	: Causes severe skin burns and eye damage.
H317	: May cause an allergic skin reaction.
H318	: Causes serious eye damage.
H334	: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H372	: Causes damage to organs through prolonged or repeated exposure if inhaled.

### Full text of other abbreviations

Acute Tox.	: Acute toxicity
Asp. Tox.	: Aspiration hazard
Eye Dam.	: Serious eye damage
Resp. Sens.	: Respiratory sensitisation
Skin Corr.	: Skin corrosion
Skin Sens.	: Skin sensitisation
STOT RE	: Specific target organ toxicity - repeated exposure
GB EH40	: UK. EH40 WEL - Workplace Exposure Limits
GB EH40 / TWA	: Long-term exposure limit (8-hour TWA reference period)
GB EH40 / STEL	: Short-term exposure limit (15-minute 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)



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according to Regulation (EC) No. 1907/2006  
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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 - 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 : R0517005

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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