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



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1.1	Product identifier			
		Engine Oil SAE 5W-30 HC C2 Article number: 33 10 1787, 33 10 1788, 33 10 1789		
1.2	.2 Relevant identified uses of the substance or mixture and uses advised against			
1.2.1	Relevant uses			
	Engine oil			
1.2.2	2 Uses advised against			
		None known.		
1.3	Details of the supplier of the safe	ety data sheet		
	Company	SWAG Autoteile GmbH Am Kiesberg 4-6 42117 Wuppertal / GERMANY Phone +49 (0)202 26454-0 Fax +49 (0)202 26454-5000 Homepage www.swag.de E-mail info@swag.de		
	Address enquiries to			
	Technical information	info@swag.de		
	Safety Data Sheet	info@swag.de		
1.4	5			
	Advisory body	+49 (0)89-19240 (24h) (English)		
SEC	TION 2: Hazards identification			
2.1	Classification of the substance o	r mixture [REGULATION (GB) CLP]		
		Aquatic Chronic 3: H412 Harmful to aquatic life with long lasting effects.		
2.2	Label elements			
		The product is required to be labelled in accordance with regulation CLP.		
	Hazard pictograms			
	Hazard statements	H412 Harmful to aquatic life with long lasting effects.		
	Precautionary statements	P273 Avoid release to the environment. P501 Dispose of contents/container in accordance with local/national regulation.		
2.3	Other hazards			
	Physico-chemical hazards	No particular hazards known.		
	Human health dangers	If swallowed or in the event of vomiting, risk of product entering the lungs. Frequent persistent contact with the skin can cause skin irritation.		
	Environmental hazards	Does not contain any PBT or vPvB substances. 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.		
	Other hazards	Further hazards were not determined with the current level of knowledge.		
SEC	TION 3: Composition / Information	on ingredients		

SECTION 3: Composition / Information on ingredients

3.1 Substances

not applicable



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3.2 Mixtures

The product is a mixture.

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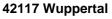
Range [%]	Substance
30 - <60	Destillates (petroleum), hydrotreated heavy paraffinic (containing < 3% DMSO-extract)
	CAS: 64742-54-7, EINECS/ELINCS: 265-157-1, EU-INDEX: 649-467-00-8, Reg-No.: 01-2119484627-25-XXXX
	GHS/CLP: Asp. Tox. 1: H304
1 - <15	Hydrocarbon Oil Liquid
	GHS/CLP: Asp. Tox. 1: H304
1 - <2,5	Calcium branched alkyl phenate sulphide (overbased)
	CAS: -, EINECS/ELINCS: -, EU-INDEX: -
	GHS/CLP: Aquatic Chronic 4: H413
<0,1	Phenol, dodecyl-, branched
	CAS: 121158-58-5, EINECS/ELINCS: 310-154-3, EU-INDEX: 604-092-00-9, Reg-No.: 01-2119513207-49-XXXX
	GHS/CLP: Skin Corr. 1C: H314 - Repr. 1B: H360F - Aquatic Acute 1: H400 - Aquatic Chronic 1: H410 - Eye Dam.
	1: H318,
	M-Factor (acute): 10, M-Factor (chronic): 10

```
Comment on component parts
```

For full text of H-statements and R-phrases: see SECTION 16. All chemical substances in this material are included on or exempted from listing on the IECSC Inventory.

SECTION 4: First aid measures

4.1	Description of first aid measures	
	General information	Change soaked clothing.
	Inhalation	Ensure supply of fresh air. In the event of symptoms seek medical treatment.
	Skin contact	In case of contact with skin wash off immediately with soap and water. Consult a doctor if skin irritation persists.
	Eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
	Ingestion	Consult a doctor immediately. Rinse out mouth and give plenty of water to drink. Do not induce vomiting.
4.2	Most important symptoms and eff	ects, both acute and delayed
		If swallowed or in the event of vomiting, risk of product entering the lungs.
4.3	Indication of any immediate media	cal attention and special treatment needed
		Treat symptomatically. Forward this sheet to your doctor.
SEC	TION 5: Fire-fighting measures	
5.1	Extinguishing media	
	Suitable extinguishing media	Fire extinguishing method of surrounding areas must be considered. Foam, dry powder, water spray jet, carbon dioxide
	Extinguishing media that must not be used	Full water jet.
5.2	Special hazards arising from the s	substance or mixture
		Risk of formation of toxic pyrolysis products. Carbon monoxide (CO) Sulphur oxides (SOx). Nitrogen oxides (NOx).
		Hydrogen sulfide ((H2S).



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5.3	Advice for firefighters	
		Do not inhale explosion and/or combustion gases. Use self-contained breathing apparatus.
		Fire residues and contaminated firefighting water must be disposed of in accordance within the local regulations.
SEC	TION 6: Accidental release measur	res
6.1	Personal precautions, protective	equipment and emergency procedures
		High risk of slipping due to leakage/spillage of product. Forms slippery surfaces with water. Ensure adequate ventilation. Use personal protective equipment (protective gloves, safety glasses, protective clothing).
6.2	Environmental precautions	
		Prevent spread over a wide area (e.g. by containment or oil barriers). Do not discharge into the drains/surface waters/groundwater.
6.3	Methods and material for contain	ment and cleaning up
		Take up with absorbent material (e.g. general-purpose binder). Dispose of absorbed material in accordance within the regulations.
6.4	Reference to other sections	
		See SECTION 8+13
SEC	TION 7: Handling and storage	
7.1	Precautions for safe handling	
		Avoid formation of aerosols.
		Do not smoke. Fire class (DIN EN 2): B
		Wash hands before breaks and after work. Do not eat, drink or smoke when using this product. Use barrier skin cream. Take off contaminated clothing and wash before reuse. Cloths contaminated with product should not be kept in trouser pockets.
7.2	Conditions for safe storage, inclu	ding any incompatibilities
		Keep only in original container. Prevent penetration into the ground.
		Do not store together with oxidizing agents. Do not store together with food and animal food/diet.
		Keep container tightly closed. Protect from heat/overheating.
7.3	Specific end use(s)	
		See product use, SECTION 1.2



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SECTION 8: Exposure controls / personal protection

8.1 Control parameters

Ingredients with occupational exposure limits to be monitored (UK)

Substance		
Destillates (petroleum), hydrotreated heavy paraffinic (containing < 3% DMSO-extract)		
CAS: 64742-54-7, EINECS/ELINCS: 265-157-1, EU-INDEX: 649-467-00-8, Reg-No.: 01-2119484627-25-XXXX		
Long-term exposure: 5 mg/m ³ , oil mist		
Short-term exposure (15-minute): 10 mg/m ³		
Hydrocarbon Oil Liquid		

Long-term exposure: 5 mg/m³, Oil mist, 84

Ingredients with occupational exposure limits to be monitored EU (2004/37/EG)

not relevant

DNEL

Substance		
Phenol, dodecyl-, branched, CAS: 121158-58-5		
Industrial, inhalative (mist), Acute - systemic effects, 44,18 mg/m ³		
Industrial, dermal, Acute - systemic effects, 166 mg/kg bw		
Industrial, dermal, Long-term - systemic effects, 0,25 mg/kg bw		
general population, dermal, Long-term - systemic effects, 0,075 mg/kg bw		
general population, dermal, Acute - systemic effects, 50 mg/kg bw		
general population, oral, Long-term - systemic effects, 0,075 mg/kg bw		
general population, inhalative (mist), Acute - systemic effects, 13,26 mg/m ³		
general population, inhalative (mist), Long-term - systemic effects, 0,79 mg/m ³		
Destillates (petroleum), hydrotreated heavy paraffinic (containing < 3% DMSO-extract), CAS: 64742-54-7		
Industrial, inhalative, Long-term - systemic effects, 2.73 mg/m ³		
Industrial, inhalative, Long-term - local effects, 5.58 mg/m ³		
Industrial, dermal, Long-term - systemic effects, 970 µg/kg bw/day		
general population, inhalative, Long-term - local effects, 1.19 mg/m ³		
general population, oral, Long-term - systemic effects, 740 μg/kg bw/day		

PNEC

Phenol, dodecyl-, branched, CAS: 121158-58-5
soil, 0,188 mg/kg
seawater, 0,0000074 mg/l
sediment (seawater), 0,0226 mg/kg
sediment (freshwater), 0,226 mg/kg
freshwater, 0,000074 mg/l
oral (food), 4 mg/kg
Destillates (petroleum), hydrotreated heavy paraffinic (containing < 3% DMSO-extract), CAS: 64742-54-7
oral (food), 9,33 mg/kg



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8.2 Exposure	controls
--------------	----------

Additional advice on system design	Ensure adequate ventilation on workstation. General exposure limit for oil mist should be noted. Measurement methods for taking workplace measurements must meet the performance requirements of DIN EN 482. For example, recommendations are given in the IFA's list of hazardous substances.
Eye protection	Safety glasses. (EN 166:2001)
Hand protection	The details concerned are recommendations. Please contact the glove supplier for further information. >0,11 mm: Nitrile rubber, >480 min (EN 374-1/-2/-3).
Skin protection	Light protective clothing.
Other	Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity handled. The resistance of this equipment to chemicals should be ascertained with the respective supplier. Avoid contact with eyes and skin.
Respiratory protection	Breathing apparatus in the event of aerosol or mist formation. Short term: filter apparatus, combination filter A-P1. (DIN EN 14387)
Thermal hazards	No information available.
Delimitation and monitoring of the environmental exposition	Comply with applicable environmental regulations limiting discharge to air, water and soil.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	liquid
Form	liquid
Color	light brown
Odor	characteristic
Odour threshold	No information available.
pH-value	not applicable
pH-value [1%]	No information available.
Boiling point or initial boiling point and boiling range [°C]	No information available.
Flash point [°C]	>200 (ISO 2592)
Flammability	not applicable
Lower explosion limit	No information available.
Upper explosion limit	No information available.
Oxidising properties	no
Vapour pressure/gas pressure [kPa]	<0,01 (20°C)
Density [g/cm ³]	ca. 0,853 (DIN 51757) (15 °C / 59,0 °F)
Relative density	not determined
Bulk density [kg/m³]	not applicable
Solubility in water	virtually insoluble
Solubility other solvents	No information available.
Partition coefficient n-octanol/water (log value)	No information available.
Kinematic viscosity	ca. 10,2 mm²/s (100°C) (DIN 51562/T1) >20,5 mm²/s (40°C)
Relative vapour density	No information available.
Melting point [°C]	No information available.
Auto-ignition temperature [°C]	No information available.
Decomposition temperature [°C]	No information available.
Particle characteristics	No information available.

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9.2 Other information

Pour point: ca. -30°C

SECTION 10: Stability and reactivity

10.1 Reactivity

See SECTION 10.3.

10.2 Chemical stability

Stable under normal ambient conditions (ambient temperature).

10.3 Possibility of hazardous reactions

Reactions with strong oxidizing agents.

10.4 Conditions to avoid

Strong acids. Strong heating, because the thermal decomposition starts from >100°C.

10.5 Incompatible materials

Oxidizing agent Acids Strong basic compounds

10.6 Hazardous decomposition products

In the case of heating following (decomposition) products may occure: Hydrogen sulfide (H2S).

Product



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SECTION 11: Toxicological information

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

Acute oral toxicity

Based on available data, the classification criteria are not met.

ATE-mix	oral	~2000	ma/ka b	M

ATE-mix, oral, >2000 mg/kg bw

Substance
Phenol, dodecyl-, branched, CAS: 121158-58-5
LD50, oral, Rat, 2100 mg/kg bw
Destillates (petroleum), hydrotreated heavy paraffinic (containing < 3% DMSO-extract), CAS: 64742-54-7
LD50, oral, Rat, 5000 mg/kg bw
Hydrocarbon Oil Liquid
LD50, oral, Rat, > 5000 mg/kg

Acute dermal toxicity

Based on available data, the classification criteria are not met.

Product

ATE-mix, dermal, >2000 mg/kg bw

Substance

Phenol, dodecyl-, branched, CAS: 121158-58-5

LD50, dermal, Rabbit, 15000 mg/kg bw

Destillates (petroleum), hydrotreated heavy paraffinic (containing < 3% DMSO-extract), CAS: 64742-54-7

LD50, dermal, Rabbit, 2000 - 5 00 mg/kg bw

Hydrocarbon Oil Liquid

LD50, dermal, Rabbit, > 5000 mg/kg

Acute inhalational toxicity

Based on available data, the classification criteria are not met.

Product

ATE-mix, inhalation (vapour), >20 mg/L

Substance	
Destillates (petroleum), hydrotreated heavy paraffinic (containing < 3% DMSO-extract), CAS: 64742-54-	7
LC50, inhalative, Rat, 2.18 - 5.53 mg/L air, 4h	
Hydrocarbon Oil Liquid	
LC50, inhalativ (mist), Rat, > 5 mg/l (4h)	

Based on the available information, the classification criteria are not fulfilled.
Based on the available information, the classification criteria are not fulfilled.
Based on the available information, the classification criteria are not fulfilled.
Based on the available information, the classification criteria are not fulfilled.
Based on the available information, the classification criteria are not fulfilled.
ranched, CAS: 121158-58-5
0 - 100 mg/kg bw/day

Destillates (petroleum), hydrotreated heavy paraffinic (containing < 3% DMSO-extract), CAS: 64742-54-7

NOAEL, dermal, Rat, 30 - 2000 mg/kg bw/day



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	NOAEL, dermal, Rabbit, 1000 mg/kg bw/day		
	NOAEC, inhalative, Rat, 980 mg/m ³ air		
	LOAEL, oral, Rat, 125 mg/kg bw/day		
Mutagenicity		Based on the available information, the classification criteria are not fulfilled.	
Reproduction toxicity		Based on the available information, the classification criteria are not fulfilled.	
- Fertility			
	Substance		
	Destillates (petroleum), hydrotreated heavy paraffinic (containing < 3% DMSO-extract), CAS: 64742-54-7		
	NOAEL, oral, Rat, 1	1000 mg/kg bw/d (Effect on fertility), no adverse effect observed	
- Development	Substance Destillates (petroleum), hydrotreated heavy paraffinic (containing < 3% DMSO-extract), CAS: 64742-54-7		
	NOAEL, oral, Rat, 1000 mg/kg bw/d (Effect on fertility), no adverse effect observed		
	NOAEL, oral, Rat, 1	000 mg/kg bw/d (Effect on fertility), no adverse effect observed	
	NOAEL, oral, Rat, 1	000 mg/kg bw/d (Effect on fertility), no adverse effect observed	
Carcinogenicity	NOAEL, oral, Rat, 1	000 mg/kg bw/d (Effect on fertility), no adverse effect observed Based on the available information, the classification criteria are not fulfilled.	
Carcinogenicity Aspiration hazard	NOAEL, oral, Rat, 1		
U I	NOAEL, oral, Rat, 7	Based on the available information, the classification criteria are not fulfilled.	
Aspiration hazard	NOAEL, oral, Rat, 7	Based on the available information, the classification criteria are not fulfilled.	
Aspiration hazard		Based on the available information, the classification criteria are not fulfilled. Based on the available information, the classification criteria are not fulfilled.	
Aspiration hazard General remarks	other hazards	Based on the available information, the classification criteria are not fulfilled. Based on the available information, the classification criteria are not fulfilled.	



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SECTION 12: Ecological information

12.1 Toxicity

Substance
Phenol, dodecyl-, branched, CAS: 121158-58-5
EC50, (48h), Invertebrates, 37 - 92.7 µg/L
EC50, (24h), Invertebrates, 106 µg/L
EC50, (21d), Invertebrates, 7.9 - 8.6 μg/L
EC50, (72h), Algae, 150 - 765 μg/L
EL50, (4d), fish, 40 mg/L
NOEC, (72h), Algae, 70 - 442 µg/L
NOEC, (48h), Invertebrates, 11 µg/L
NOEC, (21d), Invertebrates, 3.7 µg/L
NOELR, (4d), fish, 25 mg/L
EC0, (48h), Invertebrates, 56 µg/L
EC10, (72h), Algae, 530 - 765 μg/L
LOEC, (21d), Invertebrates, 12 µg/L
Destillates (petroleum), hydrotreated heavy paraffinic (containing < 3% DMSO-extract), CAS: 64742-54-7
EL50, (48h), Invertebrates, 10 g/L
NOELR, (14d), fish, 1 mg/L
LL50, (96h), Invertebrates, 10 g/L
LL50, (96h), fish, 100 mg/L
Hydrocarbon Oil Liquid
LC50, fish, >100 mg/L
EC50, Daphnia magna, >10000 mg/L
EC50, (72h), Algae, >100 mg/L

12.2 Persistence and degradability

Behaviour in environment
compartmentsBehaviour in sewage plantBiological degradabilityThe product is not readily biodegradable.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

Based on all available information not to be classified as PBT or vPvB respectively.

12.6 Endocrine disrupting properties

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.



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12.7 Other adverse effects

Ecological data of complete product are not available. Do not discharge product unmonitored into the environment or into the drainage.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

Product

	Coordinate disposal with the authorities if necessary. Disposal in an incineration plant in accordance with the regulations of the local authorities. In according to RoHS!
Waste no. (recommended)	130205* mineral-based non-chlorinated engine, gear and lubricating oils
Contaminated packaging	
	Uncontaminated packaging may be taken for recycling. Packaging that cannot be cleaned should be disposed of as for product.
Waste no. (recommended)	150110* packaging containing residues of or contaminated by hazardous substances

SECTION 14: Transport information

14.1 UN number or ID number

Transport by land according to ADR/RID	not applicable
Inland navigation (ADN)	not applicable

Marine transport in accordance with	not applicable
IMDG	

Air transport in accordance with IATA not applicable

14.2 UN proper shipping name

Transport by land according to	NO DANGEROUS GOODS
ADR/RID	

Inland navigation (ADN) NO	DANGEROUS GOODS
----------------------------	-----------------

Marine transport in accordance with NOT CLASSIFIED AS "DANGEROUS GOODS" IMDG

Air transport in accordance with IATA NOT CLASSIFIED AS "DANGEROUS GOODS"

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14.3	Transport hazard class(es)	
	Transport by land according to ADR/RID	not applicable
	Inland navigation (ADN)	not applicable
	Marine transport in accordance with IMDG	not applicable
	Air transport in accordance with IATA	not applicable
14.4	Packing group	
	Transport by land according to ADR/RID	not applicable
	Inland navigation (ADN)	not applicable
	Marine transport in accordance with IMDG	not applicable
	Air transport in accordance with IATA	not applicable
14.5	Environmental hazards	
	Transport by land according to ADR/RID	no
	Inland navigation (ADN)	no
	Marine transport in accordance with IMDG	no
	Air transport in accordance with IATA	no
14.6	Special precautions for user	

Relevant information under SECTION 6 to 8.

14.7 Maritime transport in bulk according to IMO instruments

not applicable



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SECTION 15: Regulatory information

15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture		
	EEC-REGULATIONS	2008/98/EG (2000/532/EG); 2010/75/EU; 2004/42/EG; (EG) 648/2004; (EG) 1907/2006 (REACH); (EU) 1272/2008; 75/324/EWG ((EG) 2016/2037); (EU) 2020/878; (EU) 2016/131; (EU) 517/2014; (EU) 2019/1148; (EU) 2019/1021	
	- Comment on component parts	Substances of Very High Concern - SVHC: substances are not contained or are below 0.1%.	
	- Annex I (REACH)	The product is not subject to Annex I restrictions.	
	- Annex XIV (REACH)	According to Annex XIV of Regulation (EC) 1907/2006 (REACH) the product does not contain any substances \geq 0.1% that are subject to authorisation.	
	- Annex XVII (REACH)	According to Annex XVII of Regulation (EC) 1907/2006 (REACH) the product contains $\geq 0.1\%$ of substances with the following restrictions. 75	
		According to Annex XVII of Regulation (EC) 1907/2006 (REACH) the product is subject to the following restrictions. 3	
	TRANSPORT-REGULATIONS	ADR (2023); IMDG-Code (2023, 41. Amdt.); IATA-DGR (2024)	
	NATIONAL REGULATIONS (UK):	EH40/2005 Workplace exposure limits (Second edition, published December 2011); UK REACH; GB CLP.	
	- Observe employment restrictions for people	no	
	- VOC (2010/75/CE)	not relevant	
15.2	5.2 Chemical safety assessment		
		For this product a chemical safety assessment has not been carried out.	
SEC	SECTION 16: Other information		
16.1	Hazard statements (SECTION 3)		

H410 Very toxic to aquatic life with long lasting effects.

H400 Very toxic to aquatic life.

H360F May damage fertility.

H314 Causes severe skin burns and eye damage. H413 May cause long lasting harmful effects to aquatic life.

H304 May be fatal if swallowed and enters airways.



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16.2 Abbreviations and acronyms:

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route

RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses

ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure

ATE = acute toxicity estimate

CAS = Chemical Abstracts Service

CLP = Classification, Labelling and Packaging

DMEL = Derived Minimum Effect Level

DNEL = Derived No Effect Level

EC50 = Median effective concentration

ECB = European Chemicals Bureau

EEC = European Economic Community

EINECS = European Inventory of Existing Commercial Chemical Substances

EL50 = Median effective loading

ELINCS = European List of Notified Chemical Substances

EmS = Emergency Schedules

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IATA = International Air Transport Association

IBC-Code = International Code for the Construction and Equipment of Ships carrying

Dangerous Chemicals in Bulk

IC50 = Inhibition concentration, 50%

IMDG = International Maritime Code for Dangerous Goods

IUCLID = International Uniform ChemicaL Information Database

- IVIS = In vitro irritation score
- LC50 = Lethal concentration, 50%

LD50 = Median lethal dose LC0 = lethal concentration, 0%

LOAEL = lowest-observed-adverse-effect level

LL50 = Median lethal loading

LQ = Limited Quantities

MARPOL = International Convention for the Prevention of Marine Pollution from Ships

NOAEL = No Observed Adverse Effect Level NOEC = No Observed Effect Concentration

PBT = Persistent, Bioaccumulative and Toxic substance

PNEC = Predicted No-Effect Concentration REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals

STP = Sewage Treatment Plant

TLV®/TWA = Threshold limit value - time-weighted average

TLV®STEL = Threshold limit value - short-time exposure limit

VOC = Volatile Organic Compounds

vPvB = very Persistent and very Bioaccumulative

16.3 Other information

Aquatic Chronic 3: H412 Harmful to aquatic life with long lasting effects. (Calculation method)

Modified position

Classification procedure

1.3, 2.3, 3.2, 5.1, 6.1, 8.1, 9.1, 9.2, 11.1, 11.2, 12.1, 12.6, 12.7, 15.1, 16.2, 16.3