

Synthetic MID SAPS Heavy Duty Diesel Engine Oil

TIDAL POWER SXPD 15W-40 is a fuel saving MID SAPS super high performance universal oil based on 100% synthetic technology designed for high loaded diesel engines in light- and heavy commercial vehicles working under severe operating conditions through the whole year for use in Euro-4, Euro-5 and Euro-6 engines equipped with a Diesel Particulate Filter (DPF) and suited for diesel engines equipped with EGR and/or SCR after treatment system.

TIDAL POWER SXPD 15W-40 is formulated with high refined synthetic base stock in combination with an unique additive package to reach the following properties:

- Excellent thermal- and oxidation stability.
- Very good dispersancy and detergency.
- High anti-foam, anti-wear and anti-corrosion properties.
- Excellent protection against "Bore Polishing".
- Extended drain intervals.
- Complies with strictest European emission regulation.

TIDAL POWER SXPD 15W-40 meets the following performance criteria:

Approved: Volvo VDS 4.5 Mack EOS-4.5 Renault RLD-3

MB-Approval 228.31

Meets: API CK-4 ACEA E6/E9 Cummins CES 20086

DFS 93K222 DQC IV-18 LA CAT ECF-3

MTU Cat 2.1 IVECO

Typical Analysis

Properties	Unit	Method	Typical Value
SAE Grade		SAE J300	15W-40
Density @15°C	kg/m³	ASTM 4052	0,861
Kinematic Viscosity @ 40°C	mm²/s	ASTM D7042	107
Kinematic Viscosity @ 100°C	mm²/s	ASTM D7042	15,01
Viscosity Index		ASTM D2270	146
Viscosity CCS @ -20°C	сР	ASTM D5293	4652
Flash Point COC	°C	ASTM D92	>201
Pour Point	°C	ASTM D7346	-36
Total Base Number	mgKOH/g	ASTM D2896	9,8
Sulphated Ash	%Wt	ASTM D874	1.00
Date Issued: 21-2-2022	Supersedes: -	R	evision Nr.: -



















Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 28/01/2022 Version: 1.0

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

1.1. Product identifier

Product form : Mixture

Product name : 75120 - TIDAL POWER SXPD 15W-40

Product code : 400780
Type of product : Lubricant

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

1.2.1. Relevant identified uses

Main use category : Consumer use, Professional use

Industrial/Professional use spec : Industrial

For professional use only

Function or use category : Lubricants and additives

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

North Sea Lubricants B.V. B.V.

Ampèrestraat 5

NL- 3846AN Harderwijk

The Netherlands

T+31 651345369

support@northsealubricants.com - www.northsealubricants.com

1.4. Emergency telephone number

Emergency number : +31 (0)786527652

Monday to Friday: 09:00 - 16:00 (CET)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Not classified

Adverse physicochemical, human health and environmental effects

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

2.2. Label elements

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

EUH-statements : EUH210 - Safety data sheet available on request.

2.3. Other hazards

Other hazards which do not result in classification : Flammable liquids. Prolonged or repeated skin contact with the material will remove natural oils which leads to a dermatitis. Spills of this product present a serious slipping hazard.

Contains no PBT/vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

28/01/2022 (Issue date) GB - en 1/11

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Distillates (petroleum), hydrotreated heavy paraffinic substance with national workplace exposure limit(s) (AT, BE, BG, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IT, LT, LV, NL, PL, PT, RO, SE, SI, SK, NO, CH, TR); substance with a Community workplace exposure limit	CAS-No.: 64742-54-7 EC-No.: 265-157-1 EC Index-No.: 649-467-00-8 REACH-no: 01-2119484627- 25	≥ 75	Asp. Tox. 1, H304
Distillates (petroleum), hydrotreated light paraffinic substance with national workplace exposure limit(s) (AT, BE, BG, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IT, LT, LV, NL, PL, PT, RO, SE, SI, SK, IS, NO); substance with a Community workplace exposure limit	CAS-No.: 64742-55-8 EC-No.: 265-158-7 EC Index-No.: 649-468-00-3 REACH-no: 01-2119487077-	1 – 5	Asp. Tox. 1, H304
Distillates (petroleum), solvent-dewaxed heavy paraffinic; Baseoil substance with national workplace exposure limit(s) (BG, CZ, DK, ES, GB, HR, NL, SE, CH, TR); substance with a Community workplace exposure limit	CAS-No.: 64742-65-0 EC-No.: 265-169-7 EC Index-No.: 649-474-00-6 REACH-no: 01-2119471299- 27	1 – 2.5	Asp. Tox. 1, H304
Alkyl esters of alkyl phenate alkanoic acid	CAS-No.: 0-00-0 EC-No.: 000-000-0	0.5 – 2.5	Aquatic Chronic 4, H413
Phenol, dodecyl-, sulfurized, carbonates,calcium salts, overbased	CAS-No.: 0-00-0 EC-No.: 701-251-5 REACH-no: 01-2119524004- 56	0.5 – 2.5	Aquatic Chronic 4, H413

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

First-aid measures after ingestion

4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Allow affected person to breathe fresh air. Allow the victim to rest.

First-aid measures after skin contact : Wash skin with plenty of water. Remove affected clothing and wash all exposed skin area

wash skin with plenty of water. Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.

First-aid measures after eye contact

Rinse eyes with water as a precaution. Rinse immediately with plenty of water. Obtain

: Rinse eyes with water as a precaution. Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.

Call a poison center or a doctor if you feel unwell. Rinse mouth. Do NOT induce vomiting.
 Obtain emergency medical attention.

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

Symptoms/effects : After adequate first aid, no further treatment is required unless symptoms reappear. Not expected to present a significant hazard under anticipated conditions of normal use.

Symptoms/effects after inhalation : After adequate first aid, no further treatment is required unless symptoms reappear.

Symptoms/effects after skin contact : After adequate first aid, no further treatment is required unless symptoms reappear.

Symptoms/effects after eye contact : After adequate first aid, no further treatment is required unless symptoms reappear.

Symptoms/effects after ingestion : After adequate first aid, no further treatment is required unless symptoms reappear.

28/01/2022 (Issue date) GB - en 2/11

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide. Sand.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any

chemical fire. Prevent fire fighting water from entering the environment.

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained

breathing apparatus. Complete protective clothing. Do not enter fire area without proper

protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment : Eliminate all ignition sources if safe to do so.

Emergency procedures : Ventilate spillage area. Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. Wear suitable

protective clothing, gloves and eye/face protection. For further information refer to section 8:

"Exposure controls/personal protection". Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area.

6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or

streams.

Methods for cleaning up : Take up liquid spill into absorbent material. Soak up spills with inert solids, such as clay or

diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13. See Section 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment. Wash

hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of

vapour.

Handling temperature : $< 40 \, ^{\circ}\text{C}$

28/01/2022 (Issue date) GB - en 3/11

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the

product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Heat sources,

Direct sunlight.

Incompatible products : Strong bases. Strong acids.

Storage temperature : \leq 40 °C

Storage area : Store away from heat. Store in a well-ventilated place.
Special rules on packaging : Keep only in original container. Store in a closed container.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	
EU - Indicative Occupational Exposure Limit (IOEL)	
IOEL TWA	5 mg/m³
IOEL STEL	10 mg/m³
United Kingdom - Occupational Exposure Limits	
WEL TWA (OEL TWA) [1]	5 mg/m³
Distillates (petroleum), solvent-dewaxed heav	y paraffinic; Baseoil (64742-65-0)
EU - Indicative Occupational Exposure Limit (IOEL)	
IOEL TWA	5 mg/m³
IOEL STEL	10 mg/m³
United Kingdom - Occupational Exposure Limits	
WEL TWA (OEL TWA) [1]	5 mg/m³
WEL STEL (OEL STEL)	10 mg/m³
Distillates (petroleum), hydrotreated light paraffinic (64742-55-8)	
EU - Indicative Occupational Exposure Limit (IOEL)	
IOEL TWA	5 mg/m³
United Kingdom - Occupational Exposure Limits	
WEL TWA (OEL TWA) [1]	5 mg/m³

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

28/01/2022 (Issue date) GB - en 4/11

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

8.2. Exposure controls

8.2.1. Appropriate engineering controls

No additional information available

8.2.2. Personal protection equipment

Personal protective equipment symbol(s):





8.2.2.1. Eye and face protection

No additional information available

8.2.2.2. Skin protection

Hand protection					
Туре	Material	Permeation	Thickness (mm)	Penetration	Standard
Reusable gloves	Nitrile rubber (NBR), Neoprene rubber (HNBR)	6 (> 480 minutes)	0.35		EN ISO 374

8.2.2.3. Respiratory protection

No additional information available

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

Other information:

Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
Colour : Brown.
Odour
Odour threshold : Not available
Melting point : Not applicable
Freezing point : -36 °C
Boiling point : Not available

Flammability : Not applicable, Non flammable.

Explosive limits : Not available Lower explosion limit : Not available Upper explosion limit : Not available : > 201 °C Flash point Auto-ignition temperature : Not available Decomposition temperature : Not available : Not available рΗ Viscosity, kinematic 107 mm²/s @40°C Solubility insoluble in water. Partition coefficient n-octanol/water (Log Kow) : Not available Vapour pressure Not available Vapour pressure at 50 °C Not available Density 861 kg/m³ Relative density Not available Relative vapour density at 20 °C : Not available

28/01/2022 (Issue date) GB - en 5/11

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Particle characteristics : Not applicable

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions. Not established.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

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

Acute toxicity (oral) : Not classified Acute toxicity (dermal) : Not classified Acute toxicity (inhalation) : Not classified

Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7) LD50 oral (rat) > 5000 mg/kg bodyweight LD50 dermal (rabbit) > 5000 mg/kg LC50 inhalation (rat) (Vapours - mg/l/4h) > 5.53 mg/l/4h Distillates (petroleum), solvent-dewaxed heavy paraffinic; Baseoil (64742-65-0) LD50 oral (rat) > 5000 mg/kg bodyweight

LD50 oral (rat)	> 5000 mg/kg bodyweight
LD50 dermal (rabbit)	> 5000 mg/kg
LC50 inhalation (rat) (Vapours - mg/l/4h)	> 5.53 mg/l/4h

Alkyl esters of alkyl phenate alkanoic acid (0-00-0)

LD50 oral (rat)	> 2000 mg/kg
LD50 dermal (rat)	> 2000 mg/kg

Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased (0-00-0)

	LD50 oral (rat)	> 5000 mg/kg
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Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Phenol, dodecyl-, sulfurized, carbonates,calcium salts, overbased (0-00-0)		
LD50 dermal (rabbit)	> 4000 µg/kg	
LC50 inhalation (rat) (Vapours - mg/l/4h)	> 0.835 mg/l/4h	
Distillates (petroleum), hydrotreated ligh	ht paraffinic (64742-55-8)	
LD50 oral (rat)	> 5000 mg/kg	
LD50 dermal (rabbit)	> 5000 mg/kg	
LC50 inhalation (rat) (Dust/Mist - mg/l/4h)	> 5.53 mg/l/4h	
Skin corrosion/irritation Additional information	Not classified Based on available data, the classification criteria are not met	
Serious eye damage/irritation Additional information	Not classifiedBased on available data, the classification criteria are not met	
Respiratory or skin sensitisation Additional information	Not classifiedBased on available data, the classification criteria are not met	
Germ cell mutagenicity Additional information	: Not classified: Based on available data, the classification criteria are not met	
Carcinogenicity	: Not classified	
Additional information Reproductive toxicity	: Based on available data, the classification criteria are not met: Not classified	
Additional information STOT-single exposure	Based on available data, the classification criteria are not met Not classified	
Additional information	: Based on available data, the classification criteria are not met	
STOT-repeated exposure Additional information	: Not classified: Based on available data, the classification criteria are not met	
Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)		
LOAFL (oral, rat, 90 days)	125 ma/ka bodyweiaht	

Additional information .	based of available data, the classification chieffa are not met	
Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)		
LOAEL (oral, rat, 90 days)	125 mg/kg bodyweight	
Distillates (petroleum), solvent-dewaxed heav	y paraffinic; Baseoil (64742-65-0)	
LOAEL (oral, rat, 90 days)	125 mg/kg bodyweight	
NOAEL (dermal, rat/rabbit, 90 days)	≈ 1000 mg/kg bodyweight	
Aspiration hazard :	Not classified	
Additional information :	Based on available data, the classification criteria are not met	
75120 - TIDAL POWER SXPD 15W-40		
Viscosity, kinematic	107 mm²/s @40°C	

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

No additional information available

11.2.2. Other information

Potential adverse human health effects and

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

symptoms

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse

effects in the environment.

: Not classified

 $\label{thm:local_equation} \mbox{Hazardous to the aquatic environment, short-term}$

(acute)

Hazardous to the aquatic environment, long-term : Not classified

(chronic)

28/01/2022 (Issue date) GB - en 7/11

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Not rapidly degradable

LC50 - Fish [1] > 100 mg/l Pimephales promelas EC50 - Crustacea [1] > 10000 mg/l Daphnia magna Distillates (petroleum), solvent-dewaxed heavy paraffinic; Baseoil (64742-65-0) LC50 - Fish [1] > 1000 mg/l Pimephales promelas EC50 - Crustacea [1] > 10000 mg/l Daphnia magna NOEC chronic fish 1000 mg/l Daphnia magna NOEC chronic crustacea 10 mg/l Daphnia magna NOEC chronic algae > 100 mg/l Pseudokirchneriella subcapitata Alkyl esters of alkyl phenate alkanoic acid (0-0-0) LC50 - Fish [1] > 74 mg/l Danio rerio EC50 - Crustacea [1] > 0.9 mg/l Daphnia magna EC50 - Crustacea [1] > 3 mg/l Desmodesmus subspicatus NOEC chronic fish > 0.001 mg/l 36 days Danio rerio NOEC chronic algae > 3 mg/l 72 hours Desmodesmus subspicatus Phenol, dodecyl-, sulfurized, carbonates,calcturus alts, overbased (0-00-0) LC50 - Fish [1] > 1000 mg/l Pimephales promelas EC50 - Crustacea [1] > 500 mg/l Pseudokirchneriella subcapitata Distillates (petroleum), hydrotreated light paraffinic (64742-55-8) LC50 - Fish [1] > 1000 mg/l Daphnia magna EC50 - Crustace	Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	
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NOEC chronic fish 1000 mg/l Oncorhynchus mykiss NOEC chronic crustacea 10 mg/l Daphnia magna NOEC chronic algae > 100 mg/l Pseudokirchneriella subcapitata Alkyl esters of alkyl phenate alkanoic acid (0-00-0) LC50 - Fish [1] > 74 mg/l Danio rerio EC50 - Crustacea [1] > 0.9 mg/l Daphnia magna EC50 72h - Algae [1] > 3 mg/l Desmodesmus subspicatus NOEC chronic fish > 0.001 mg/l 36 days Danio rerio NOEC chronic algae > 3 mg/l 72 hours Desmodesmus subspicatus Phenol, dodecyl-, sulfurized, carbonates,calcium salts, overbased (0-00-0) LC50 - Fish [1] > 1000 mg/l Pimephales promelas EC50 - Crustacea [1] > 1000 mg/l Daphnia magna EC50 96h - Algae [1] > 500 mg/l Pseudokirchneriella subcapitata Distillates (petroleum), hydrotreated light paraffinic (64742-55-8) LC50 - Fish [1] > 1000 mg/l Daphnia magna EC50 - Crustacea [1] > 1000 mg/l Daphnia magna Distillates (petroleum), hydrotreated light paraffinic (64742-55-8) LC50 - Crustacea [1] > 1000 mg/l Daphnia magna Distillates (petroleum), hydrotreated light paraffinic (64742-55-8) LC50 - Crustacea [1] > 1000 mg/l Daphnia magna NOEC chronic fish	LC50 - Fish [1]	> 100 mg/l Pimephales promelas
NOEC chronic crustacea 10 mg/l Daphnia magna NOEC chronic algae > 100 mg/l Pseudokirchneriella subcapitata Alkyl esters of alkyl phenate alkanoic acid (0-00-0) LC50 - Fish [1] > 74 mg/l Danio rerio EC50 - Crustacea [1] > 0.9 mg/l Daphnia magna EC50 72h - Algae [1] > 3 mg/l Desmodesmus subspicatus NOEC chronic fish > 0.001 mg/l 36 days Danio rerio NOEC chronic algae > 3 mg/l 72 hours Desmodesmus subspicatus Phenol, dodecyl-, sulfurized, carbonates,calcium salts, overbased (0-00-0) LC50 - Fish [1] > 1000 mg/l Pimephales promelas EC50 - Crustacea [1] > 1000 mg/l Pseudokirchneriella subcapitata Distillates (petroleum), hydrotreated light paraffinic (64742-55-8) LC50 - Fish [1] > 1000 mg/l Pimephales promelas EC50 - Crustacea [1] > 1000 mg/l Pimephales promelas ≥ 1000 mg/l Pimephales promelas ≥ 1000 mg/l Daphnia magna Distillates (petroleum), hydrotreated light paraffinic (64742-55-8) LC50 - Fish [1] > 1000 mg/l Daphnia magna NOEC chronic fish ≥ 1000 mg/l Oncorhynchus mykiss	EC50 - Crustacea [1]	> 10000 mg/l Daphnia magna
NOEC chronic algae > 100 mg/l Pseudokirchneriella subcapitata Alkyl esters of alkyl phenate alkanoic acid (0-00-0) LC50 - Fish [1] > 74 mg/l Danio rerio EC50 - Crustacea [1] > 0.9 mg/l Daphnia magna EC50 72h - Algae [1] > 3 mg/l Desmodesmus subspicatus NOEC chronic fish > 0.001 mg/l 36 days Danio rerio NOEC chronic algae > 3 mg/l 72 hours Desmodesmus subspicatus Phenol, dodecyl-, sulfurized, carbonates,calcium salts, overbased (0-00-0) LC50 - Fish [1] > 1000 mg/l Pimephales promelas EC50 - Crustacea [1] > 1000 mg/l Daphnia magna EC50 96h - Algae [1] > 500 mg/l Pseudokirchneriella subcapitata Distillates (petroleum), hydrotreated light paraffinic (64742-55-8) LC50 - Fish [1] > 100 mg/l Pimephales promelas EC50 - Crustacea [1] > 1000 mg/l Daphnia magna Distillates (petroleum) + 1000 mg/l Daphnia magna Distillates (petroleum) + 1000 mg/l Daphnia magna NOEC chronic fish ≥ 1000 mg/l Oncorhynchus mykiss	NOEC chronic fish	1000 mg/l Oncorhynchus mykiss
Alkyl esters of alkyl phenate alkanoic acid (0-00-0) LC50 - Fish [1] > 74 mg/l Danio rerio EC50 - Crustacea [1] > 0.9 mg/l Daphnia magna EC50 72h - Algae [1] > 3 mg/l Desmodesmus subspicatus NOEC chronic fish > 0.001 mg/l 36 days Danio rerio NOEC chronic algae > 3 mg/l 72 hours Desmodesmus subspicatus Phenol, dodecyl-, sulfurized, carbonates,calcium salts, overbased (0-00-0) LC50 - Fish [1] > 1000 mg/l Pimephales promelas EC50 - Crustacea [1] > 1000 mg/l Daphnia magna EC50 96h - Algae [1] > 500 mg/l Pseudokirchneriella subcapitata Distillates (petroleum), hydrotreated light paraffinic (64742-55-8) LC50 - Fish [1] > 1000 mg/l Pimephales promelas EC50 - Crustacea [1] > 1000 mg/l Pimephales promelas EC50 - Crustacea [1] > 1000 mg/l Daphnia magna	NOEC chronic crustacea	10 mg/l Daphnia magna
LC50 - Fish [1] > 74 mg/l Danio rerio EC50 - Crustacea [1] > 0.9 mg/l Daphnia magna EC50 72h - Algae [1] > 3 mg/l Desmodesmus subspicatus NOEC chronic fish > 0.001 mg/l 36 days Danio rerio NOEC chronic algae > 3 mg/l 72 hours Desmodesmus subspicatus Phenol, dodecyl-, sulfurized, carbonates,calcium salts, overbased (0-00-0) LC50 - Fish [1] > 1000 mg/l Pimephales promelas EC50 - Crustacea [1] > 1000 mg/l Daphnia magna EC50 96h - Algae [1] > 500 mg/l Pseudokirchneriella subcapitata Distillates (petroleum), hydrotreated light paraffinic (64742-55-8) LC50 - Fish [1] > 100 mg/l Pimephales promelas EC50 - Crustacea [1] > 100 mg/l Pimephales promelas EC50 - Crustacea [1] > 100 mg/l Pimephales promelas	NOEC chronic algae	> 100 mg/l Pseudokirchneriella subcapitata
EC50 - Crustacea [1] > 0.9 mg/l Daphnia magna EC50 72h - Algae [1] > 3 mg/l Desmodesmus subspicatus NOEC chronic fish > 0.001 mg/l 36 days Danio rerio NOEC chronic algae > 3 mg/l 72 hours Desmodesmus subspicatus Phenol, dodecyl-, sulfurized, carbonates,calcium salts, overbased (0-00-0) LC50 - Fish [1] > 1000 mg/l Pimephales promelas EC50 - Crustacea [1] > 1000 mg/l Daphnia magna EC50 96h - Algae [1] > 500 mg/l Pseudokirchneriella subcapitata Distillates (petroleum), hydrotreated light paraffinic (64742-55-8) LC50 - Fish [1] > 1000 mg/l Pimephales promelas EC50 - Crustacea [1] > 1000 mg/l Daphnia magna EC50 - Crustacea [1] > 10000 mg/l Daphnia magna	Alkyl esters of alkyl phenate alkanoic acid (0-	00-0)
EC50 72h - Algae [1] > 3 mg/l Desmodesmus subspicatus NOEC chronic fish > 0.001 mg/l 36 days Danio rerio NOEC chronic algae > 3 mg/l 72 hours Desmodesmus subspicatus Phenol, dodecyl-, sulfurized, carbonates,calcium salts, overbased (0-00-0) LC50 - Fish [1] > 1000 mg/l Pimephales promelas EC50 - Crustacea [1] > 1000 mg/l Daphnia magna EC50 96h - Algae [1] > 500 mg/l Pseudokirchneriella subcapitata Distillates (petroleum), hydrotreated light paraffinic (64742-55-8) LC50 - Fish [1] > 1000 mg/l Pimephales promelas EC50 - Crustacea [1] > 1000 mg/l Daphnia magna EC50 - Crustacea [1] > 10000 mg/l Daphnia magna	LC50 - Fish [1]	> 74 mg/l Danio rerio
NOEC chronic fish > 0.001 mg/l 36 days Danio rerio > 3 mg/l 72 hours Desmodesmus subspicatus Phenol, dodecyl-, sulfurized, carbonates,calcium salts, overbased (0-00-0) LC50 - Fish [1] > 1000 mg/l Pimephales promelas EC50 - Crustacea [1] > 1000 mg/l Daphnia magna EC50 96h - Algae [1] > 500 mg/l Pseudokirchneriella subcapitata Distillates (petroleum), hydrotreated light paraffinic (64742-55-8) LC50 - Fish [1] > 1000 mg/l Pimephales promelas EC50 - Crustacea [1] > 1000 mg/l Daphnia magna EC50 - Crustacea [1] > 10000 mg/l Daphnia magna	EC50 - Crustacea [1]	> 0.9 mg/l Daphnia magna
NOEC chronic algae > 3 mg/l 72 hours Desmodesmus subspicatus Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased (0-00-0) LC50 - Fish [1] > 1000 mg/l Pimephales promelas EC50 - Crustacea [1] > 500 mg/l Daphnia magna EC50 96h - Algae [1] > 500 mg/l Pseudokirchneriella subcapitata Distillates (petroleum), hydrotreated light paraffinic (64742-55-8) LC50 - Fish [1] > 1000 mg/l Pimephales promelas EC50 - Crustacea [1] > 10000 mg/l Daphnia magna NOEC chronic fish ≥ 1000 mg/l Oncorhynchus mykiss	EC50 72h - Algae [1]	> 3 mg/l Desmodesmus subspicatus
Phenol, dodecyl-, sulfurized, carbonates,calcium salts, overbased (0-00-0) LC50 - Fish [1] > 1000 mg/l Pimephales promelas EC50 - Crustacea [1] > 1000 mg/l Daphnia magna EC50 96h - Algae [1] > 500 mg/l Pseudokirchneriella subcapitata Distillates (petroleum), hydrotreated light paraffinic (64742-55-8) LC50 - Fish [1] > 100 mg/l Pimephales promelas EC50 - Crustacea [1] > 10000 mg/l Daphnia magna NOEC chronic fish ≥ 1000 mg/l Oncorhynchus mykiss	NOEC chronic fish	> 0.001 mg/l 36 days Danio rerio
LC50 - Fish [1] > 1000 mg/l Pimephales promelas EC50 - Crustacea [1] > 1000 mg/l Daphnia magna EC50 96h - Algae [1] > 500 mg/l Pseudokirchneriella subcapitata Distillates (petroleum), hydrotreated light paraffinic (64742-55-8) LC50 - Fish [1] > 100 mg/l Pimephales promelas EC50 - Crustacea [1] > 10000 mg/l Daphnia magna NOEC chronic fish ≥ 1000 mg/l Oncorhynchus mykiss	NOEC chronic algae	> 3 mg/l 72 hours Desmodesmus subspicatus
EC50 - Crustacea [1] > 1000 mg/l Daphnia magna EC50 96h - Algae [1] > 500 mg/l Pseudokirchneriella subcapitata Distillates (petroleum), hydrotreated light paraffinic (64742-55-8) LC50 - Fish [1] > 100 mg/l Pimephales promelas EC50 - Crustacea [1] > 10000 mg/l Daphnia magna NOEC chronic fish ≥ 1000 mg/l Oncorhynchus mykiss	Phenol, dodecyl-, sulfurized, carbonates,calcium salts, overbased (0-00-0)	
EC50 96h - Algae [1] > 500 mg/l Pseudokirchneriella subcapitata Distillates (petroleum), hydrotreated light paraffinic (64742-55-8) LC50 - Fish [1] > 100 mg/l Pimephales promelas EC50 - Crustacea [1] > 10000 mg/l Daphnia magna NOEC chronic fish ≥ 1000 mg/l Oncorhynchus mykiss	LC50 - Fish [1]	> 1000 mg/l Pimephales promelas
Distillates (petroleum), hydrotreated light paraffinic (64742-55-8) LC50 - Fish [1] > 100 mg/l Pimephales promelas EC50 - Crustacea [1] > 10000 mg/l Daphnia magna NOEC chronic fish ≥ 1000 mg/l Oncorhynchus mykiss	EC50 - Crustacea [1]	> 1000 mg/l Daphnia magna
LC50 - Fish [1] > 100 mg/l Pimephales promelas EC50 - Crustacea [1] > 10000 mg/l Daphnia magna NOEC chronic fish ≥ 1000 mg/l Oncorhynchus mykiss	EC50 96h - Algae [1]	> 500 mg/l Pseudokirchneriella subcapitata
EC50 - Crustacea [1] > 10000 mg/l Daphnia magna NOEC chronic fish ≥ 1000 mg/l Oncorhynchus mykiss	Distillates (petroleum), hydrotreated light paraffinic (64742-55-8)	
NOEC chronic fish ≥ 1000 mg/l Oncorhynchus mykiss	LC50 - Fish [1]	> 100 mg/l Pimephales promelas
<u> </u>	EC50 - Crustacea [1]	> 10000 mg/l Daphnia magna
NOEC chronic crustacea 10 mg/l Daphnia magna	NOEC chronic fish	≥ 1000 mg/l Oncorhynchus mykiss
	NOEC chronic crustacea	10 mg/l Daphnia magna

12.2. Persistence and degradability

75120 - TIDAL POWER SXPD 15W-40		
Persistence and degradability	Not established.	
Distillates (petroleum), hydrotreated heavy pa	Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	
Persistence and degradability	Not readily biodegradable.	
Biodegradation	31 % 28 d OECD 301F	
Distillates (petroleum), solvent-dewaxed heavy paraffinic; Baseoil (64742-65-0)		
Persistence and degradability	Not readily biodegradable.	
Biodegradation	31 % 28 d OECD 301F	
Alkyl esters of alkyl phenate alkanoic acid (0-00-0)		
Persistence and degradability	Not readily biodegradable.	
Biodegradation	2 % 28 days OECD 301B	

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Phenol, dodecyl-, sulfurized, carbonates,calcium salts, overbased (0-00-0)	
Persistence and degradability	Not readily biodegradable.
Biodegradation	13.4 % OECD 301B 28 days
Distillates (petroleum), hydrotreated light paraffinic (64742-55-8)	
Biodegradation 31 % 28 d, OECD TG 301 F	

12.3. Bioaccumulative potential

75120 - TIDAL POWER SXPD 15W-40		
Bioaccumulative potential	Not established.	
Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)		
Partition coefficient n-octanol/water (Log Kow)	3.9 – 6	
Distillates (petroleum), solvent-dewaxed heavy paraffinic; Baseoil (64742-65-0)		
Bioconcentration factor (BCF REACH)	260	
Partition coefficient n-octanol/water (Log Pow)	9.2	
Alkyl esters of alkyl phenate alkanoic acid (0-00-0)		
Bioconcentration factor (BCF REACH)	260	
Partition coefficient n-octanol/water (Log Pow)	9.2	
Phenol, dodecyl-, sulfurized, carbonates,calcium salts, overbased (0-00-0)		
Partition coefficient n-octanol/water (Log Pow)	9.5	
Distillates (petroleum), hydrotreated light paraffinic (64742-55-8)		
Partition coefficient n-octanol/water (Log Pow)	> 6	

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

Additional information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Ecology - waste materials

Waste treatment methods Product/Packaging disposal recommendations

- : Dispose of contents/container in accordance with licensed collector's sorting instructions.
- : Dispose in a safe manner in accordance with local/national regulations.
- : Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

28/01/2022 (Issue date) GB - en 9/11

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID n	umber			
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shippin	g name			
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard o	class(es)			
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental haz	ards			
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information	n available			

14.6. Special precautions for user

Overland transport

Not applicable

Transport by sea

Not applicable

Air transport

Not applicable

Inland waterway transport

Not applicable

Rail transport

Not applicable

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list ≥ 0,1 % / SCL

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Contains no substance subject to REGULATION (EU) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer.

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

Contains no substance subject to Regulation (EC) 273/2004 of the European Parliament and of the Council of 11 February 2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances.

15.1.2. National regulations

No additional information available

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE

COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and

amending Regulation (EC) No 1907/2006.

Other information : None.

Full text of H- and EUH-statements:		
Aquatic Chronic 4	Hazardous to the aquatic environment — Chronic Hazard, Category 4	
Asp. Tox. 1	Aspiration hazard, Category 1	
EUH210	Safety data sheet available on request.	
H304	May be fatal if swallowed and enters airways.	
H413	May cause long lasting harmful effects to aquatic life.	

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.