

#### Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 8/5/2021 Supersedes version of: 8/5/2021 Version: 1.0

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

#### 1.1. Product identifier

Product form	: Mixture	
Product name	: 72070 - WAVE POWER ADVANTAGE LE 5W-3	30
Product code	: 72070	
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 Function or use category Professional use,Consumer useLubricants 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.

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

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# **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; Baseoil substance with national workplace exposure limit(s) (BE, BG, CZ, DK, HR, NL, NO); 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	50 – 75	Asp. Tox. 1, H304
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	CAS-No.: 72623-87-1 EC-No.: 276-738-4 EC Index-No.: 649-483-00-5 REACH-no: 01-211947-4889	10 – 25	Asp. Tox. 1, H304
Distillates (petroleum), hydrotreated light paraffinic; Baseoil substance with national workplace exposure limit(s) (BE, NL)	CAS-No.: 64742-55-8 EC-No.: 265-158-7 EC Index-No.: 649-468-00-3 REACH-no: 01-2119487077- 29	2.5 – 5	Not classified
Distillates (petroleum), solvent-dewaxed heavy paraffinic; Baseoil substance with national workplace exposure limit(s) (BG, CZ, DK, HR, NL); 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
Phenol, dodecyl-, sulfurized, carbonates,calcium salts, overbased	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**

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 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 medical attention if pain, blinking or redness persists.		
First-aid measures after ingestion	: 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.		

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#### 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 Unsuitable extinguishing media	<ul> <li>Foam. Dry powder. Carbon dioxide. Water spray. Sand.</li> <li>Do not use a water jet since it may cause the fire to spread. Do not use a heavy water stream.</li> </ul>
5.2. Special hazards arising from the subs	tance or mixture
Hazardous decomposition products in case of fire	: Toxic fumes may be released.
5.3. Advice for firefighters	
Firefighting instructions Protection during firefighting	<ul> <li>Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.</li> <li>Do not attempt to take action without suitable protective equipment. Self-contained</li> </ul>
	breathing apparatus. Complete protective clothing. Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures			
ipment and emergency procedures			
: Eliminate all ignition sources if safe to do so.			
: Ventilate spillage area. Evacuate unnecessary personnel.			
: 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.			
: Ventilate area.			

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

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: Direct sunlight. Heat sources. Store in a well-ventilated place. Keep cool. Keep only in the original container in a cool, well ventilated place away from : Keep container closed when not in use.
: Strong bases. Strong acids.
: Sources of ignition. Direct sunlight.
: 50 °C
: Store away from heat. Store in a well-ventilated place.
: Store in a closed container. Keep only in original 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; Baseoil (64742-54-7)		
EU - Indicative Occupational Exposure Limit (IOEL)		
IOEL TWA 5 mg/m <sup>3</sup>		
Distillates (petroleum), solvent-dewaxed heavy paraffinic; Baseoil (64742-65-0)		
EU - Indicative Occupational Exposure Limit (IOEL)		
IOEL TWA	5 mg/m³	
IOEL STEL	10 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

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

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#### 8.2.2.2. Skin protection

Hand protection					
Туре	Material	Permeation	Thickness (mm)	Penetration	Standard
	Nitrile rubber (NBR), Neoprene rubber (HNBR)	5 (> 240 minutes)	0.7	3 (> 0.65)	EN ISO 374
	Polyvinylchloride (PVC)	2 (> 30 minutes)	0.4	3 (> 0.65)	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		
9.1. Information on basic physical and che Physical state Colour Odour Odour threshold Melting point Freezing point Boiling point Flammability Explosive limits Lower explosive limit (LEL) Upper explosive limit (UEL) Flash point Auto-ignition temperature Decomposition temperature pH Viscosity, kinematic Solubility Partition coefficient n-octanol/water (Log Kow)	<ul> <li>Liquid</li> <li>Liquid</li> <li>Brown.</li> <li>characteristic.</li> <li>Not available</li> <li>Not applicable</li> <li>-36 °C</li> <li>Not available</li> </ul>	
Vapour pressure Vapour pressure at 50 °C Density Relative density Relative vapour density at 20 °C Particle size Particle size distribution Particle shape Particle aspect ratio Particle aggregation state Particle agglomeration state Particle specific surface area Particle dustiness	<ul> <li>Not available</li> <li>Not available</li> <li>Not available</li> <li>848 kg/m³ @15°C</li> <li>Not available</li> <li>Not available</li> <li>Not applicable</li> </ul>	

#### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

No additional information available

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#### 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. Not established.

#### **10.4. Conditions to avoid**

None under recommended storage and handling conditions (see section 7). Direct sunlight. Extremely high or low temperatures.

#### 10.5. Incompatible materials

Strong acids. Strong bases.

**10.6. Hazardous decomposition products** 

Under normal conditions of storage and use, hazardous decomposition products should not be produced. 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 (dermal)	Not classified Not classified Not classified	
Distillates (petroleum), hydrotreated heavy pa	raffinic; Baseoil (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), hydrotreated light paraffinic; Baseoil (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	
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based (72623-87-1)		
LD50 oral (rat)	> 5000 mg/kg bodyweight	
LD50 dermal (rabbit)	> 2000 mg/kg	
LC50 inhalation (rat) (Dust/Mist - 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 dermal (rabbit)	> 5000 mg/kg	
LC50 inhalation (rat) (Vapours - mg/l/4h)	> 5.53 mg/l/4h	

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LD50 oral (rat)	> 5000 mg/kg
LD50 dermal (rabbit)	> 4000 µg/kg
LC50 inhalation (rat) (Vapours - mg/l/4h)	> 0.835 mg/l/4h
Skin corrosion/irritation	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Serious eye damage/irritation	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Respiratory or skin sensitisation	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Germ cell mutagenicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Carcinogenicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Reproductive toxicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
STOT-single exposure	: Not classified
Additional information	: Based on available data, the classification criteria are not met
STOT-repeated exposure	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Distillates (petroleum), hydrotreated	heavy paraffinic; Baseoil (64742-54-7)
LOAEL (oral, rat, 90 days)	125 mg/kg bodyweight
Distillates (petroleum), hydrotreated	ight paraffinic; Baseoil (64742-55-8)
LOAEL (oral, rat, 90 days)	125 mg/kg bodyweight/day Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
Distillates (petroleum), solvent-deway	xed heavy 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
72070 - WAVE POWER ADVANTAGE	LE 5W-30
Viscosity, kinematic	70.3 mm²/s @40°C
11.2. Information on other hazards	
11.2.1. Endocrine disrupting properties	
No additional information available	

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.		
Hazardous to the aquatic environment, short-term (acute)	: Not classified		
Hazardous to the aquatic environment, long-term (chronic)	: Not classified		

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Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil (64742-54-7)			
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 crustacea	10 mg/l Daphnia magna		
NOEC chronic algae	> 100 mg/l Pseudokirchneriella subcapitata		
Distillates (petroleum), hydrotreated light para	affinic; Baseoil (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 crustacea	10 mg/l Daphnia magna		
NOEC chronic algae	≥ 100 mg/l Pseudokirchneriella subcapitata		
Lubricating oils (petroleum), C20-50, hydrotre	ated neutral oil-based (72623-87-1)		
LC50 - Fish [1]	> 100 mg/l		
Distillates (petroleum), solvent-dewaxed heav	y paraffinic; Baseoil (64742-65-0)		
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 crustacea	10 mg/l Daphnia magna		
NOEC chronic algae	> 100 mg/l Pseudokirchneriella subcapitata		
Phenol, dodecyl-, sulfurized, carbonates,calcium salts, overbased			
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		
12.2. Persistence and degradability	·		
72070 - WAVE POWER ADVANTAGE LE 5W-30			
Persistence and degradability	Not established.		
Distillates (petroleum), hydrotreated heavy pa	raffinic: Baseoil (64742-54-7)		
Persistence and degradability	Not readily biodegradable.		
Biodegradation	31 % 28 d OECD 301F		
Distillates (petroleum), hydrotreated light paraffinic; Baseoil (64742-55-8)			
Biodegradation	31 % 28 d, OECD TG 301 F		
Distillates (petroleum), solvent-dewaxed heavy paraffinic; Baseoil (64742-65-0)			
Persistence and degradability	Not readily biodegradable.		
Biodegradation	31 % 28 d OECD 301F		
Phenol, dodecyl-, sulfurized, carbonates,calci			
Persistence and degradability	Not readily biodegradable.		

Biodegradation

13.4 % OECD 301B 28 days

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12.3. Bioaccumulative potential			
72070 - WAVE POWER ADVANTAGE LE 5W-30			
Bioaccumulative potential	Not established.		
Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil (64742-54-7)			
Partition coefficient n-octanol/water (Log Kow)	> 4		
Distillates (petroleum), hydrotreated light para	affinic; Baseoil (64742-55-8)		
Partition coefficient n-octanol/water (Log Pow)	> 6		
Distillates (petroleum), solvent-dewaxed heav	Distillates (petroleum), solvent-dewaxed heavy paraffinic; Baseoil (64742-65-0)		
Bioconcentration factor (BCF REACH)	260		
Partition coefficient n-octanol/water (Log Pow)	9.2		
Phenol, dodecyl-, sulfurized, carbonates,calcium salts, overbased			
Partition coefficient n-octanol/water (Log Pow)	9.5		
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.		

<b>SECTION 13:</b>	Disnosa	l consider	ations
SECTION 13.	Disposa		ations

13.1. Waste treatment methods	
Waste treatment methods Product/Packaging disposal recommendations Ecology - waste materials	<ul> <li>Dispose of contents/container in accordance with licensed collector's sorting instructions.</li> <li>Dispose in a safe manner in accordance with local/national regulations.</li> <li>Avoid release to the environment.</li> </ul>

### **SECTION 14: Transport information**

In accordance with ADR / IMDG / IATA / ADN / RID			
IMDG	ΙΑΤΑ	ADN	RID
14.1. UN number or ID number			
Not applicable	Not applicable	Not applicable	Not applicable
name			
Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)			
Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group			
Not applicable	Not applicable	Not applicable	Not applicable
	mber Not applicable name Not applicable ass(es) Not applicable	mber       Not applicable       Not applicable       Not applicable       Not applicable       Not applicable       Not applicable	mber     Not applicable     Not applicable       Not applicable     Not applicable     Not applicable       Not applicable     Not applicable     Not applicable       Not applicable     Not applicable     Not applicable

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ADR	IMDG	ΙΑΤΑ	ADN	RID
14.5. Environmental hazards				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available				
14.6. Special precautions	o 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

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) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

#### 15.1.2. National regulations

No additional information available

#### 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:	

Full text of H- and EUH-statements:		
Aquatic Chronic 4 Ha	lazardous to the aquatic environment — Chronic Hazard, Category 4	

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Full text of H- and EUH-statements:		
Asp. Tox. 1 Aspiration hazard, Category 1		
EUH210	H210 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.