

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 10/9/2015 Revision date: 8/26/2019 Supersedes version of: 4/28/2019 Version: 1.1

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

1.1. Product identifier

Product form	: Mixture
Product name	: 73382 - AUTOGEAR POWER MTF 75W-90
Product code	: 73382

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

1.2.1. Relevant identified uses

Main use category	
Industrial/Professional use spec	

 Professional use,Industrial use,Consumer use
 Industrial For professional use only
 Lubricants and additives

Use of the substance/mixture 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 <u>support@northsealubricants.com</u> - <u>www.northsealubricants.com</u>

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] Hazardous to the aquatic environment — Chronic Hazard, Category 3 Full text of H- and EUH-statements: see section 16

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]			
Signal word (CLP)	: -		
Hazard statements (CLP)	: H412 - Harmful to aquatic life with long lasting effects.		
Precautionary statements (CLP)	: P273 - Avoid release to the environment.		
	P501 - Dispose of contents and container to an approved waste disposal plant.		
EUH-statements	: EUH208 - Contains Reaction products of 4-methyl-2-pentanol and diphosphorus		
	pentasulfide, propoxylated, esterified with diphosphorus pentaoxide, and salted by		
	amines,C12-14- tert-alkyl. May produce an allergic reaction.		

2.3. Other hazards

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

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; 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
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 – 10	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	0.5 – 2.5	Asp. Tox. 1, H304
Reaction products of 4-methyl-2-pentanol and diphosphorus pentasulfide, propoxylated, esterified with diphosphorus pentaoxide, and salted by amines, C12-14- tert-alkyl	EC-No.: 931-384-6 REACH-no: 01-2119493620- 38	0.1 – 1	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318 Skin Sens. 1B, H317 Aquatic Chronic 2, H411
C16-18-(even numbered, saturated and unsaturated)- alkylamines	EC-No.: 627-034-4 REACH-no: 01-2119473797- 19	0.05 – 0.5	Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 STOT SE 3, H335 STOT RE 2, H373 Asp. Tox. 1, H304 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10)

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 after inhalation First-aid measures after skin contact First-aid measures after eye contact First-aid measures after ingestion	 Remove person to fresh air and keep comfortable for breathing. Wash skin with plenty of water. Rinse eyes with water as a precaution. Call a poison center or a doctor if you feel unwell.
4.2. Most important symptoms and eff	ects, both acute and delayed

No additional information available

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

Treat symptomatically.

Safety Data Sheet

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

SECTION 5: Firefighting measures	
5.1. Extinguishing media	
Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.
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	
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures			
6.1. Personal precautions, protective equipment and emergency procedures			
6.1.1. For non-emergency personnel			
Emergency procedures	Ventilate spillage area.		
6.1.2. For emergency responders			
Protective equipment	Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".		
6.2. Environmental precautions			
Avoid release to the environment.			
6.3. Methods and material for containment a	nd cleaning up		
Methods for cleaning up Other information	Take up liquid spill into absorbent material. Dispose of materials or solid residues at an authorized site.		

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and store	age
7.1. Precautions for safe handling	
Precautions for safe handling Handling temperature Hygiene measures	 Ensure good ventilation of the work station. Wear personal protective equipment. ≤ 40 °C Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
7.2. Conditions for safe storage, in	cluding any incompatibilities
Storage conditions	: Store in a well-ventilated place. Keep cool.
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

Safety Data Sheet

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

Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil (64742-54-7)		
EU - Indicative Occupational Exposure Limit (IOEL)		
IOEL TWA 5 mg/m ³		
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/m ³		

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

8.2.2.2. Skin protection

Skin and body protection:

Wear suitable protective clothing

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.

Safety Data Sheet

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

SECTION 9: Physical and chemical properties			
9.1. Information on basic physical and c	9.1. Information on basic physical and chemical properties		
Physical state	: Liquid		
Colour	: Brown.		
Odour	: Not available		
Odour threshold	: Not available		
Melting point	: Not applicable		
Freezing point	: -39 °C		
Boiling point	: Not available		
Flammability	: Not applicable		
Explosive limits	: Not available		
Lower explosive limit (LEL)	: Not available		
Upper explosive limit (UEL)	: Not available		
Flash point	: > 201 °C		
Auto-ignition temperature	: Not available		
Decomposition temperature	: Not available		
pH	: Not available		
Viscosity, kinematic	: 109 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	: 877 kg/m³ @15°C		
Relative density	: Not available		
Relative vapour density at 20 °C	: Not available		
Particle size	: Not applicable		
Particle size distribution	: Not applicable		
Particle shape	: Not applicable		
Particle aspect ratio	: Not applicable		
Particle aggregation state	: Not applicable		
Particle agglomeration state	: Not applicable		
Particle specific surface area	: Not applicable		
Particle dustiness	: 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.

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

No additional information available

Safety Data Sheet

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

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

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; 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), solvent-dewaxed heav	y 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	
C16-18-(even numbered, saturated and unsatu	urated)-alkylamines	
LD50 oral (rat)	1689 mg/kg	
LD50 dermal (rat)	> 2000 mg/kg	
Distillates (petroleum), hydrotreated light para	affinic; 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	
	Not classified	
Serious eye damage/irritation :	Not classified	
	Not classified Not classified	
STOT-single exposure : C16-18-(even numbered, saturated and unsatu		
STOT-single exposure	May cause respiratory irritation.	
	Not classified	
Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil (64742-54-7)		
LOAEL (oral, rat, 90 days)	125 mg/kg bodyweight	
Distillates (petroleum), solvent-dewaxed 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	
Reaction products of 4-methyl-2-pentanol and diphosphorus pentasulfide, propoxylated,esterified with diphosphorus pentaoxide, and salted by amines,C12-14- tert-alkyl		
NOAEL (oral, rat, 90 days)	150 mg/kg bodyweight/day	
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Safety Data Sheet

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

C16-18-(even numbered, saturated and unsaturated)-alkylamines	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
Distillates (petroleum), hydrotreated light 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)
Aspiration hazard :	Not classified
73382 - AUTOGEAR POWER MTF 75W-90	
Viscosity, kinematic	109 mm²/s @40°C
11.2. Information on other hazards	

No additional information available

SECTION 12: Ecological information	
12.1. Toxicity	
	The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment. Not classified
Hazardous to the aquatic environment, long-term : (chronic) Not rapidly degradable	Harmful to aquatic life with long lasting effects.
Distillates (petroleum), hydrotreated heavy pa	raffinic; 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), 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
Reaction products of 4-methyl-2-pentanol and diphosphorus pentasulfide, propoxylated,esterified with diphosphorus pentaoxide, and salted by amines,C12-14- tert-alkyl	
LC50 - Fish [1]	24 mg/l (Oncorhynchus mykiss, 96h) (OECD 203 method)
LC50 - Fish [2]	8.5 mg/l Pimephales promelas
EC50 - Crustacea [1]	91.4 mg/l Daphnia magna
EC50 72h - Algae [1]	6.4 mg/l selenastrum capricomutum
NOEC chronic fish	3.2 mg/l Oncorhynchus mykiss
NOEC chronic crustacea	0.12 mg/l Daphnia magna
NOEC chronic algae	1.7 mg/l selenastrum capricomutum

Safety Data Sheet

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

C16-18-(even numbered, saturated and unsaturated)-alkylamines	
LC50 - Fish [1]	0.06 mg/l
EC50 - Crustacea [1]	0.011 mg/l
EC50 72h - Algae [1]	0.04 mg/l
NOEC chronic crustacea	0.013 mg/l
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
12.2. Persistence and degradability	
Distillates (petroleum), hydrotreated heavy pa	raffinic; Baseoil (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
Reaction products of 4-methyl-2-pentanol and pentaoxide, and salted by amines,C12-14- tert	l diphosphorus pentasulfide, propoxylated,esterified with diphosphorus -alkyl
Biodegradation	7.4 % 28 DY, OECD TG 301 B
C16-18-(even numbered, saturated and unsatu	urated)-alkylamines
Biodegradation	66 % 28 d OECD 301B
Distillates (petroleum), hydrotreated light para	affinic; Baseoil (64742-55-8)
Biodegradation	31 % 28 d, OECD TG 301 F
12.3. Bioaccumulative potential	
Distillates (petroleum), hydrotreated heavy pa	raffinic; Baseoil (64742-54-7)
Partition coefficient n-octanol/water (Log Kow)	> 4
Distillates (petroleum), solvent-dewaxed heavy paraffinic; Baseoil (64742-65-0)	
Bioconcentration factor (BCF REACH)	260
Partition coefficient n-octanol/water (Log Pow)	9.2
C16-18-(even numbered, saturated and unsaturated)-alkylamines	
Bioconcentration factor (BCF REACH)	500
Partition coefficient n-octanol/water (Log Kow)	4.33 @25 °C
Distillates (petroleum), hydrotreated light paraffinic; Baseoil (64742-55-8)	
Partition coefficient n-octanol/water (Log Pow) > 6	

Safety Data Sheet

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

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

No additional information available

SECTION 13: Disposal considerations		
13.1. Waste treatment methods		
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.	

SECTION 14: Transport information

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

ADR	IMDG	ΙΑΤΑ	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 informatic	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

Safety Data Sheet

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

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

Abbreviations and acronyms:	
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BLV	Biological limit value
CAS-No.	Chemical Abstract Service number
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC50	Median effective concentration
EC-No.	European Community number
EN	European Standard
ΙΑΤΑ	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OEL	Occupational Exposure Limit

Safety Data Sheet

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

Abbreviations and acronyms:	
РВТ	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
vPvB	Very Persistent and Very Bioaccumulative
WGK	Water Hazard Class

Full text of H- and EUH-statements:	
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Asp. Tox. 1	Aspiration hazard, Category 1
EUH208	Contains Reaction products of 4-methyl-2-pentanol and diphosphorus pentasulfide, propoxylated, esterified with diphosphorus pentaoxide, and salted by amines, C12-14- tert-alkyl. May produce an allergic reaction.
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
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.
H335	May cause respiratory irritation.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B
Skin Sens. 1B	Skin sensitisation, category 1B
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation

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.