

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

1.1. Product identifier

Mixture identification: Trade name: GPL PAO FG-68 Trade code: 206-68

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

Recommended use: N.A.

Uses advised against: N.A.

1.3. Details of the supplier of the safety data sheet

Company: Next Lubricants BV

Winkler Prinsstraat 21 9403 AZ, Assen The Netherlands +31 592 372299

Responsable: info@nextlubricants.nl

1.4. Emergency telephone number

National Poison Control Centre - +31 (0) 30 2748888 - Only for use by professional rescuers in case of emergency

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) n. 1272/2008 (CLP)

The product is not classified as hazardous according to Regulation EC 1272/2008 (CLP).

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

The product is not classified as hazardous according to Regulation EC 1272/2008 (CLP).

Special Provisions:

EUH210 Safety data sheet available on request.

Special provisions according to Annex XVII of REACH and subsequent amendments:

Restricted to professional users.

2.3. Other hazards

No PBT, vPvB or endocrine disruptor substances present in concentration >= 0.1%.

Other Hazards: No other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances

ΝΔ 3.2. Mixtures

Mixture identification: GPL PAO FG-68

Hazardous components within the meaning of the CLP regulation and related classification:

Qty	Name		Ident. Numb.	Classification	Registration Number
1-2.5 %		amine, N-phenyl-, reaction s with 2,4,4-	CAS:68411-46-1 EC:270-128-1	Repr. 2, H361f; Aquatic Chronic 3, H412	01-2119491299-23
Date	06/12/2024	Production Name GPI	_ PAO FG-68		Page n. 1 of

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SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Wash with plenty of water and soap.

In case of eyes contact:

Wash immediately with water.

In case of Ingestion:

Do not induce vomiting, get medical attention showing the SDS and label hazardous.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

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

N.A.

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

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Water.

Carbon dioxide (CO2).

Extinguishing media which must not be used for safety reasons:

None in particular.

5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

5.3. Advice for firefighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non emergency personnel:

Wear personal protection equipment. Remove persons to safety.

See protective measures under point 7 and 8.

For emergency responders:

Wear personal protection equipment.

6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

6.3. Methods and material for containment and cleaning up

Suitable material for taking up: absorbing material, organic, sand

Wash with plenty of water. 6.4. Reference to other sections

See also section 8 and 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhaltion of vapours and mists.

See also section 8 for recommended protective equipment.

Advice on general occupational hygiene:

Do not eat or drink while working.

7.2. Conditions for safe storage, including any incompatibilities

Incompatible materials:

None in particular.

Instructions as regards storage premises: Adequately ventilated premises. 7.3. Specific end use(s)

None in particular Industrial sector specific solutions: None in particular

SECTION 8: Exposure controls/personal protection 8.1. Control parameters

Predicted No Effect Concentration (PNEC) values

Benzenamine, N-phenyl-, reaction products with 2,4,4- trimethylpentene

CAS: 68411-46-1 Exposure Route: Fresh Water; PNEC Limit: 0.0338 mg/l Exposure Route: Marine water; PNEC Limit: 0.0038 mg/l Exposure Route: Intermittent release; PNEC Limit: 0.51 mg/l Exposure Route: Freshwater sediments; PNEC Limit: 0.446 mg/kg Exposure Route: Marine water sediments; PNEC Limit: 0.0446 mg/kg Exposure Route: Soil (agricultural); PNEC Limit: 2.59 mg/kg Exposure Route: STP; PNEC Limit: 10 mg/l

Derived No Effect Level (DNEL) values

Benzenamine, N-phenyl-, reaction products with 2,4,4- trimethylpentene

CAS: 68411-46-1 Exposure Route: Human Dermal; Exposure Frequency: Long Term, systemic effects Worker Professional: 0.62 mg/kg; Consumer: 0.31 mg/kg

Exposure Route: Human Inhalation; Exposure Frequency: Long Term, systemic effects Worker Professional: 4.37 mg/m3; Consumer: 1.09 mg/m3

Exposure Route: Human Oral; Exposure Frequency: Long Term, systemic effects Consumer: $0.31 \ \rm mg/kg$

8.2. Exposure controls

Eye protection:

Not needed for normal use. Anyway, operate according good working practices.

Protection for skin:

No special precaution must be adopted for normal use.

Protection for hands:

Not needed for normal use.

Respiratory protection:

N.A.

Thermal Hazards:

N.A.

Environmental exposure controls:

N.A.

Hygienic and Technical measures

N.A.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

	Physical state:			Liquid	
	Colour:			light yellow	
	Odour:			characteristic	
	pH:			N.A.	
	Kinematic viscosity:			N.A.	
	Melting point/freezing point:			N.A.	
	Boiling point or initial boiling point and boiling range:			N.A.	
	Flash point:			260 °C (500 °F)	
Date	06/12/2024	Production Name	GPL	PAO FG-68	

Lower and upper explosion limit:	N.A.
Relative vapour density:	N.A.
Vapour pressure:	N.A.
Density and/or relative density:	0,84 g/cm3
Solubility in water:	N.A.
Solubility in oil:	N.A.
Partition coefficient n-octanol/water (log value):	N.A.
Auto-ignition temperature:	N.A.
Decomposition temperature:	N.A.
Flammability:	N.A.
Volatile Organic compounds - VOCs =	N.A.
Particle characteristics: Particle size:	N.A.
9.2. Other information	
Viscosity:	68,00 cP
No other relevant information	

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions

10.2. Chemical stability

Data not available.

10.3. Possibility of hazardous reactions None.

10.4. Conditions to avoid

Stable under normal conditions.

10.5. Incompatible materials

None in particular.

10.6. Hazardous decomposition products None.

SECTION 11: Toxicological information

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

Toxicological Information of the Preparation

a) acute toxicity	Not classified
	Based on available data, the classification criteria are not met
b) skin corrosion/irritation	Not classified
	Based on available data, the classification criteria are not met
c) serious eye damage/irritation	Not classified
	Based on available data, the classification criteria are not met
d) respiratory or skin sensitisation	Not classified
	Based on available data, the classification criteria are not met
e) germ cell mutagenicity	Not classified
	Based on available data, the classification criteria are not met
f) carcinogenicity	Not classified
	Based on available data, the classification criteria are not met
g) reproductive toxicity	Not classified
	Based on available data, the classification criteria are not met
h) STOT-single exposure	Not classified
	Based on available data, the classification criteria are not met

i) STOT-repeated exposure	Not classified
	Based on available data, the classification criteria are not met
j) aspiration hazard	Not classified
	Based on available data, the classification criteria are not met

Toxicological information on main components of the mixture:

Benzenamine, N-phenyl-, reaction products with 2,4,4- trimethylpentene

CAS: 68411-46-1	a) acute toxicity	LD50 Oral Rat > 5000 mg/kg
		LD50 Skin Rat > 2000 mg/kg
	b) skin corrosion/irritation	Skin Irritant Skin Rabbit Negative
	c) serious eye damage/irritation	Eye Irritant Skin Rabbit Negative

11.2. Information on other hazards

Endocrine disrupting properties:

No endocrine disruptor substances present in concentration >= 0.1%

SECTION 12: Ecological information

12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment. Eco-Toxicological Information:

List of Eco-Toxicological properties of the product

Not classified for environmental hazards.

No data available for the product

List of Eco-Toxicological properties of the components

Benzenamine, N-phenyl-, reaction products with 2,4,4- trimethylpentene

CAS: 68411-46-1 a) Aquatic acute toxicity: LC50 Fish > 100 mg/L 96h

- a) Aquatic acute toxicity: EC50 Daphnia 51 mg/L 48h
- a) Aquatic acute toxicity: EC50 Algae > 100 mg/L 72h
- a) Aquatic acute toxicity: No observed effect concentration Algae >= 10 mg/L 72h
- c) Bacteria toxicity: EC50 Activated sludge > 100 mg/L 3
- b) Aquatic chronic toxicity: EC10 Algae 1.69 mg/L 504
- d) Terrestrial toxicity: EC10 Algae 259 mg/kg 1344

12.2. Persistence and degradability

N.A.

12.3. Bioaccumulative potential

Benzenamine, N-phenyl-, reaction products with 2,4,4- trimethylpentene

CAS: 68411-46-1 Bioaccumulative Test: BCF - Bioconcentrantion factor; Duration: 42d; Value: 1730

12.4. Mobility in soil

N.A.

12.5. Results of PBT and vPvB assessment

No PBT or vPvB substances present in concentration >= 0.1%

12.6 Endocrine disrupting properties

No endocrine disruptor substances present in concentration >= 0.1%

12.7 Other adverse effects

N.A.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recover if possible. In so doing, comply with the local and national regulations currently in force.

SECTION 14: Transport information

Not classified as dangerous in the meaning of transport regulations.

14.1. UN number or ID number

N.A.

14.2. UN proper shipping name N.A. 14.3. Transport hazard class(es) N.A. 14.4. Packing group N.A 14.5. Environmental hazards N.A. 14.6. Special precautions for user ΝΑ Road and Rail (ADR-RID): N.A. Air (IATA): ΝΑ Sea (IMDG): N.A. 14.7. Maritime transport in bulk according to IMO instruments ΝΔ

SECTION 15: Regulatory information

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

Dir. 98/24/EC (Risks related to chemical agents at work) Dir. 2000/39/EC (Occupational exposure limit values) Regulation (EC) n. 1907/2006 (REACH) Regulation (EC) n. 1272/2008 (CLP) Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013 Regulation (EU) n. 286/2011 (ATP 2 CLP) Regulation (EU) n. 618/2012 (ATP 3 CLP) Regulation (EU) n. 487/2013 (ATP 4 CLP) Regulation (EU) n. 944/2013 (ATP 5 CLP) Regulation (EU) n. 605/2014 (ATP 6 CLP) Regulation (EU) n. 2015/1221 (ATP 7 CLP) Regulation (EU) n. 2016/918 (ATP 8 CLP) Regulation (EU) n. 2016/1179 (ATP 9 CLP) Regulation (EU) n. 2017/776 (ATP 10 CLP) Regulation (EU) n. 2018/669 (ATP 11 CLP) Regulation (EU) n. 2018/1480 (ATP 13 CLP) Regulation (EU) n. 2019/521 (ATP 12 CLP) Regulation (EU) n. 2020/217 (ATP 14 CLP) Regulation (EU) n. 2020/1182 (ATP 15 CLP) Regulation (EU) n. 2021/643 (ATP 16 CLP) Regulation (EU) n. 2021/849 (ATP 17 CLP) Regulation (EU) n. 2022/692 (ATP 18 CLP) Regulation (EU) n. 2020/878 Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications: Restrictions related to the product: None. Restrictions related to the substances contained: 28 Provisions related to directive EU 2012/18 (Seveso III): None Regulation (EU) No 649/2012 (PIC regulation) No substances listed German Water Hazard Class. ΝΑ SVHC Substances:

No SVHC substances present in concentration >= 0.1%

15.2. Chemical safety assessment

No exposure scenarios are available for the substances listed in section 3.2

SECTION 16: Other information

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N/A: Not Applicable	LDL	o: Leathal Dose Low			
	N.A	.: Not Applicable			
N/D: Not defined/ Not available	N/A	: Not Applicable			
	N/D	: Not defined/ Not available			

NA: Not available NIOSH: National Institute for Occupational Safety and Health

NOAEL: No Observed Adverse Effect Level

OSHA: Occupational Safety and Health Administration

PBT: Persistent, Bioaccumulative and Toxic

PGK: Packaging Instruction

PNEC: Predicted No Effect Concentration.

PSG: Passengers

RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.

STEL: Short Term Exposure limit.

STOT: Specific Target Organ Toxicity.

TLV: Threshold Limiting Value.

TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).

vPvB: Very Persistent, Very Bioaccumulative.

WGK: German Water Hazard Class.

Paragraphs modified from the previous revision:

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

- SECTION 2: Hazards identification
- SECTION 4: First aid measures
- SECTION 11: Toxicological information
- SECTION 16: Other information

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