

SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006
PARAMINA HPA OIL

Version 1.5

Revision Date 04.05.2023

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name : HPA OIL

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

Use of the : Lubricant

Substance/Mixture

Recommended restrictions : Restricted to professional users.
on use

1.3 Details of the supplier of the safety data sheet

Company: Manufacturer
Anderol Specialty Lubricants
Groot Egtenrayseweg 23
5928 PA Venlo Netherlands
Telephone : +31-77 396 0340

1.5 Emergency telephone number

Emergency telephone number: +0030 2107793777 (Poisoning center)

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2. Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Chronic aquatic toxicity, Category 3

H412: Harmful to aquatic life with long lasting effects.

Classification (67/548/EEC, 1999/45/EC)

Dangerous for the environment

R52/53: Harmful to aquatic organisms, may cause environment.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard statements : H412

Harmful to aquatic life with long lasting effects.

Supplemental Hazard Statements :

Precautionary statements : **Prevention:**
P273
Disposal:
P501

Avoid release to the environment.

Dispose of contents/ container to an approved waste disposal plant.

Additional Labelling:

EUH208 Contains: N-1-naphthylaniline May produce an allergic reaction.

2.3 Other hazards

No information available.

3. Composition/information on ingredients

3.2 Mixtures

Chemical nature : Mixture

Hazardous components

Chemical Name	CAS-No.	Classification	Classification	Concentration
	EC-No.	(67/548/EEC)	(REGULATION	[%]

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	Registration number		(EC) No 1272/2008)	
N-1-naphthylaniline	90-30-2 201-983-0 01-2119488764-27-XXXX	Xn; R22 Xi; R43 N; R50/53	Acute Tox. 4; H302 Skin Sens. 1; H317 STOT RE 2; H373 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	>=0.25-<1
diphenylamine	122-39-4 204-539-4	T; R23/24/25 R33 N; R50-R53	Acute Tox. 3; H331 Acute Tox. 3; H311 Acute Tox. 3; H301 STOT RE 2; H373 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	>= 0.1 - < 0.25
distillates (petroleum), hydrotreated middle	64742-46-7 265-148-2	Xn; R65	Asp. Tox. 1; H304	>=0.1-<1

For the full text of the R-phrases mentioned in this Section, see Section 16.

For the full text of the H-Statements mentioned in this Section, see Section 16.

4. First aid measures

4.1 Description of first aid measures

- General advice : No hazards which require special first aid measures.
- If inhaled : Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion.
If symptoms persist, call a physician.
- In case of skin contact : Take off contaminated clothing and shoes immediately.
Wash off with soap and plenty of water.
- In case of eye contact : Flush eyes with water as a precaution.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.
- If swallowed : Clean mouth with water and drink afterwards plenty of water.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.

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4.2 Most important symptoms and effects, both acute and delayed

Symptoms : None known.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : For specialist advice physicians should contact the Poisons Information Service.

5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting : Do not allow run-off from fire fighting to enter drains or water courses.

5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.

6.2 Environmental precautions

Environmental precautions : If the product contaminates rivers and lakes or drains inform respective authorities.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : Wipe up with absorbent material (e.g. cloth, fleece).
Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

Refer to protective measures listed in sections 7 and 8.

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7. Handling and storage**7.1 Precautions for safe handling**

Advice on safe handling : For personal protection see section 8.
Dispose of rinse water in accordance with local and national regulations.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place.

Other data : No decomposition if stored and applied as directed.

7.3 Specific end use(s)

Specific use(s) : Raw material for industry

8. Exposure controls/personal protection**8.1 Control parameters**

Components	CAS-No.	Value	Control parameters	Update	Basis
diphenylamine	122-39-4	TWA	10 mg/m ³	2005-04-06	GB EH40
		STEL	20 mg/m ³	2005-04-06	GB EH40

8.2 Exposure controls**Engineering measures**

Ensure that eyewash stations and safety showers are close to the workstation location.
Effective exhaust ventilation system

Personal protective equipment

Hand protection : Polyvinyl alcohol or nitrile- butyl-rubber gloves
The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard

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EN 374 derived from it.
Before removing gloves clean them with soap and water.

Eye protection : Eye wash bottle with pure water
Tightly fitting safety goggles

Skin and body protection : impervious clothing
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.
Wash hands before breaks and at the end of workday.

Environmental exposure controls

General advice : If the product contaminates rivers and lakes or drains inform respective authorities.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : liquid

Colour : yellow

Odour : No information available.
Odour Threshold : No information available.
Flash point : 264 °C

Method: ASTM D92

Ignition temperature : No information available.

Lower explosion limit : No information available.

Upper explosion limit : No information available.
Flammability (solid, gas) : No information available.
Auto-ignition temperature : No information available.
pH : No information available.
pour point : -39 °C

Boiling point/boiling range : > 400 °C

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Vapour pressure : No information available.

Density : 0.964 g/cm³

Relative density : No information available.

Water solubility : No information available.

Partition coefficient: n-octanol/water : No information available.

Solubility in other solvents : No information available.

Viscosity, kinematic : 136.3 mm²/s
at 40 °C

Method: ASTM D 445

12.6 mm²/s
at 100 °C

Method: ASTM D 445

Relative vapour density : No information available.

Evaporation rate : No information available.

9.2 Other information

Oxidising potential : Note: No information available.

10. Stability and reactivity

10.1 Reactivity

Stable under recommended storage conditions.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions : Note: Stable under recommended storage conditions., No decomposition if used as directed.

10.4 Conditions to avoid

Conditions to avoid : Exposure to moisture
Contamination

10.5 Incompatible materials

Materials to avoid : Strong acids and oxidizing agents

10.6 Hazardous decomposition products

Hazardous decomposition : Nitrogen oxides (NO_x)

products

Carbon oxides

11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Acute oral toxicity : Remarks: Not classified due to lack of data.

Acute oral toxicity
N-1-naphthylaniline : LD50: 1,625 mg/kg
Species: Rat

diphenylamine : Acute toxicity estimate: 100 mg/kg
Method: Converted acute toxicity point estimate
LD50: 2,720 mg/kg
Species: Rat

Acute inhalation toxicity : Remarks: Not classified due to lack of data.

Acute dermal toxicity : Remarks: Not classified due to lack of data.

Acute dermal toxicity
N-1-naphthylaniline : LD50 Dermal: > 5,000 mg/kg
Species: Rabbit

diphenylamine : Acute toxicity estimate: 300 mg/kg
Method: Converted acute toxicity point estimate
LD50: > 2,000 mg/kg
Species: Rabbit

Skin corrosion/irritation

Skin irritation : Remarks: According to the classification criteria of the European Union, the product is not considered as being a skin irritant.

Skin irritation
N-1-naphthylaniline : Species: Rabbit
Result: No skin irritation
Method: Draize Test

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diphenylamine : Species: Rabbit
Result: Mild skin irritation

Serious eye damage/eye irritation

Eye irritation : Remarks: According to the classification criteria of the European Union, the product is not considered as being an eye irritant.

Eye irritation
N-1-naphthylaniline : Species: Rabbit
Result: No eye irritation
Method: OECD Test Guideline 405

diphenylamine : Species: Rabbit
Result: Mild eye irritation

Respiratory or skin sensitisation

Sensitisation
N-1-naphthylaniline : Maximisation Test (GPMT)
Species: Guinea pig
Classification: May cause sensitisation by skin contact.
Result: May cause sensitisation by skin contact.

Patch Test
Species: Human
Classification: May cause sensitisation by skin contact.
Result: May cause sensitisation by skin contact.

diphenylamine : Species: Guinea pig
Result: Does not cause skin sensitisation.

Germ cell mutagenicity
N-1-naphthylaniline : Ames test
Result: negative
Chinese Hamster Ovary (CHO)
Result: negative

Genotoxicity in vivo
N-1-naphthylaniline : in vivo assay
Species: Mouse
Result: negative

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Mutagenicity Assessment

Remarks : Not classified due to lack of data.

Carcinogenicity Assessment

Remarks : Not classified due to lack of data.

Reproductive toxicity Assessment

Remarks : Not classified due to lack of data.

Target Organ Systemic Toxicant - Single exposure

: Remarks: Not classified due to lack of data.

Target Organ Systemic Toxicant - Repeated exposure

diphenylamine : Species: Mouse, male
Application Route: Oral
Target Organs: Blood, Liver, Kidney
Exposure time: (90 d)
NOEL: 1.7 mg/kg
Lowest observed effect level: 93.8 mg/kg

Species: Mouse, female
Application Route: Oral
Target Organs: Blood, Liver, Kidney
Exposure time: (90 d)
NOEL: 2.1 mg/kg
Lowest observed effect level: 107 mg/kg

: Remarks: Not classified due to lack of data.

Aspiration hazard

Aspiration toxicity : No aspiration toxicity classification

Toxicology Assessment

Further information : No data available

12. Ecological information

12.1 Toxicity

Toxicity to fish :
Remarks:
No data available

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Toxicity to fish
N-1-naphthylaniline : LC50: 0.44 mg/l
Exposure time: 96 h
Species: Oncorhynchus mykiss (rainbow trout)
semi-static test Analytical monitoring: yes

diphenylamine : LC50: 2.2 mg/l
Exposure time: 96 h
Species: Oncorhynchus mykiss (rainbow trout)

Toxicity to daphnia and other aquatic invertebrates : Remarks:
No data available

Toxicity to daphnia and other aquatic invertebrates
N-1-naphthylaniline : EC50: 0.68 mg/l
Exposure time: 48 h
Species: Daphnia magna (Water flea)
semi-static test Analytical monitoring: yes

diphenylamine : EC50: 1.2 mg/l
Exposure time: 48 h
Species: Daphnia magna (Water flea)

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)
N-1-naphthylaniline : NOEC: 0.02 mg/l
Exposure time: 21 d
Species: Daphnia magna (Water flea)
Analytical monitoring: yes

12.2 Persistence and degradability

Biodegradability : Result: No data available

Biodegradability
N-1-naphthylaniline : aerobic
Result: According to the results of tests of biodegradability
this product is not readily biodegradable.
0 %

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Method: OECD Test Guideline 301

12.3 Bioaccumulative potential

Bioaccumulation : Remarks:
No data available

Bioaccumulation : Species: Cyprinus carpio (Carp)
N-1-naphthylaniline : Exposure time: 56 d
Temperature: 25 °C
Concentration: 0.1 mg/l
Bioconcentration factor (BCF): 427 - 2,730

12.4 Mobility in soil

Mobility : Remarks:
No data available

12.5 Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects

Additional ecological : An environmental hazard cannot be excluded in the event
information of unprofessional handling or disposal.
Harmful to aquatic organisms, may cause long-term
adverse effects in the aquatic environment.

13. Disposal considerations

13.1 Waste treatment methods

Product : The product should not be allowed to enter drains, water
courses or the soil.
Do not contaminate ponds, waterways or ditches with
chemical or used container.
Offer surplus and non-recyclable solutions to a licensed
disposal company.

Contaminated packaging : Empty remaining contents.
Dispose of as unused product.
Do not re-use empty containers.

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14. Transport information

ADR

Not dangerous goods

IATA

Not dangerous goods

IMDG

Not dangerous goods

RID

Not dangerous goods

Special precautions for user

Not classified as dangerous in the meaning of transport regulations.

15. Regulatory information

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

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59) : This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57).

Major Accident Hazard Legislation : 96/82/EC Update: 2003
Directive 96/82/EC does not apply

Notification status

US.TSCA : On TSCA Inventory
DSL : This product contains the following components listed on the Canadian NDSL. All other components are on the Canadian DSL.

AICS : On the inventory, or in compliance with the inventory

NZIoC : Not in compliance with the inventory

ENCS : On the inventory, or in compliance with the inventory

KECI : On the inventory, or in compliance with the inventory

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PICCS : On the inventory, or in compliance with the inventory
IECSC : On the inventory, or in compliance with the inventory

15.2 Chemical Safety Assessment

No information available.

16. Other information

Full text of R-phrases referred to under sections 2 and 3

R22 Harmful if swallowed.
R23/24/25 Toxic by inhalation, in contact with skin and if swallowed.
R33 Danger of cumulative effects.
R43 May cause sensitisation by skin contact.
R50 Very toxic to aquatic organisms.
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R53 May cause long-term adverse effects in the aquatic environment.
R65 Harmful: may cause lung damage if swallowed.

Full text of H-Statements referred to under sections 2 and 3.

H301 Toxic if swallowed.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H311 Toxic in contact with skin.
H317 May cause an allergic skin reaction.
H331 Toxic if inhaled.
H373 May cause damage to organs through prolonged or repeated exposure if swallowed.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.

Further information