

Nano Engine Protect & Seal

Print date: 15.07.2016

Product code: 1399

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

1.1. Product identifier

Nano Engine Protect & Seal

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

Use of the substance/mixture

Oil Performance Improver

1.3. Details of the supplier of the safety data sheet

Company name: CTP GmbH
Street: Saalfelder Strasse 35h
Place: D-07338 Leutenberg
Telephone: +49 (0)36734 230-0
e-mail: msds@bluechemgroup.com
Contact person: Jens Moeller, Dipl.-Chem.
Internet: www.bluechemgroup.com

Telefax: +49 (0)36734 230-22

Telephone: +49 (0)36734 230-19

1.4. Emergency telephone number:

For Germany: +49-361-730730 (24 hours/7 days)

Further Information

Article Number: PWT9201

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

Hazard categories:

Reproductive toxicity: Lact.

Aspiration hazard: Asp. Tox. 1

Hazardous to the aquatic environment: Aquatic Acute 1

Hazardous to the aquatic environment: Aquatic Chronic 1

Hazard Statements:

May be fatal if swallowed and enters airways.

May cause harm to breast-fed children.

Very toxic to aquatic life with long lasting effects.

2.2. Label elements

Regulation (EC) No. 1272/2008

Hazard components for labelling

Basic mineral oils

Chlorparaffines C14-C28

n-paraffine C10 - C13, n-Alkanes, <2% Aromatics

Signal word: Danger

Pictograms:



Hazard statements

H304 May be fatal if swallowed and enters airways.
H362 May cause harm to breast-fed children.
H410 Very toxic to aquatic life with long lasting effects.

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Precautionary statements

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P201	Obtain special instructions before use.
P263	Avoid contact during pregnancy/while nursing.
P273	Avoid release to the environment.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P331	Do NOT induce vomiting.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P391	Collect spillage.
P405	Store locked up.
P501	Dispose of this material and its container to hazardous or special waste collection point.

Special labelling of certain mixtures

EUH066	Repeated exposure may cause skin dryness or cracking.
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2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Inhibitors
Preventing agent
Mineral oils
Synthetic agent combinations
Additives

Hazardous components

CAS No	Chemical name	Quantity
	EC No	Index No
		REACH No
	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
64742-56-9	Basic mineral oils	60 - < 65 %
	265-159-2	01-2119480132-48
	Asp. Tox. 1; H304	
85535-85-9	Chlorparaffines C14-C28	30 - < 35 %
	287-477-0	01-2119519269-33
	Lact., Aquatic Acute 1, Aquatic Chronic 1; H362 H400 H410 EUH066	

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

SECTION 4: First aid measures

4.1. Description of first aid measures

After contact with skin

Take off immediately all contaminated clothing, including underwear and shoes .
Subsequently wash off with: Water and soap.
Seek medical attention if problems persist.

After contact with eyes

Remove contact lenses.
Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart.

After ingestion

Rinse mouth thoroughly with water.

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Do NOT induce vomiting.

Consult physician.

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

Frequently or prolonged contact with skin may cause dermal irritation.

Irritation of eyes: Irritant effect possible.

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

Warning about danger of aspiration.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Extinguishing powder. Sand. Carbon dioxide (CO₂). Water spray.

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

Formation of decomposition products possible.

In case of fire and/or explosion do not breathe fumes.

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

Cool endangered container in case of fire.

Beat down gas/vapours/mist with water spray.

Contaminated fire-fighting water must be collected separately.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear a self-contained breathing apparatus and chemical resistant suit.

High skid risk because of leaking or spilled product.

6.2. Environmental precautions

Do not empty into drains or the aquatic environment.

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

6.3. Methods and material for containment and cleaning up

Prevent spreading of spillages (e.g. by oil barrier).

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

6.4. Reference to other sections

No data

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

The substance should only be handled in closed apparatus or systems.

Avoid contact with skin and eyes.

Avoid oil mist

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place.

Do not store at temperatures over: 50 °C

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Advice on storage compatibility

Should be stored separately from oxidizing agents.

7.3. Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.2. Exposure controls

Protective and hygiene measures

- Take off immediately all contaminated clothing
- Avoid contact with skin and eyes.
- Keep away from food, drink and animal feeding stuffs.
- When using do not eat, drink or smoke.
- Wash hands before breaks and after work.

Eye/face protection

Wear tightly sealed safety glasses against possible splashes into the eyes. (EN 166)

Hand protection

Tested protective gloves are to be worn: NBR (Nitrile rubber). FKM (Fluoroelastomer (Viton)). (EN374)

Skin protection

Wear suitable protective clothing.

Respiratory protection

- In case of accumulation of fumes/aerosols, provide adequate ventilation.
- In case of fire: Wear self-contained breathing apparatus.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	viscous
Colour:	brown
Odour:	mild

Test method

Changes in the physical state

Flash point:	> 100 °C
Density (at 20 °C):	0.90 - 0.95 g/cm ³
Water solubility: (at 20 °C)	insoluble

Solubility in other solvents

Organic solvents

Viscosity / kinematic: (at 40 °C)	17,2 mm ² /s
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9.2. Other information

No data

SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

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No decomposition when used as intended.

10.3. Possibility of hazardous reactions

No dangerous reactions are known.

10.4. Conditions to avoid

No decomposition when used as intended.

Keep at temperature not exceeding 50 °C.

10.5. Incompatible materials

Oxidizing agents. acid, concentrated.

10.6. Hazardous decomposition products

No hazardous decomposition products are known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

CAS No	Chemical name				
	Exposure route	Method	Dose	Species	Source
64742-56-9	Basic mineral oils				
	inhalative (4 h) aerosol	LC50	>5 mg/l	Rat	
85535-85-9	Chlorparaffines C14-C28				
	oral	LD50	4000 mg/kg	Rat	
	dermal	LD50	4000 mg/kg	Rat	
	inhalative (1 h) vapour	LC50	48170 mg/l	Rat	

Irritation and corrosivity

After skin contact: Frequently or prolonged contact with skin may cause dermal irritation.

Irritation of eyes: Irritant effect possible.

Sensitising effects

no danger of sensitization.

SECTION 12: Ecological information

12.1. Toxicity

CAS No	Chemical name					
	Aquatic toxicity	Method	Dose	[h] [d]	Species	Source
85535-85-9	Chlorparaffines C14-C28					
	Acute algae toxicity	ErC50	3,2 mg/l	96 h	Algae	

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available.

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

No information available.

12.6. Other adverse effects

No information available.

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Further information

Do not allow to enter into surface water or drains.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

Do not dispose with household waste.

Do not empty into drains or the aquatic environment.

Arrange about the exact waste code with the local waste disposal expert.

Contaminated packaging

Container must be completely emptied.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number:

UN 3082

14.2. UN proper shipping name:

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Chlorparaffines C14-C28

14.3. Transport hazard class(es):

9

14.4. Packing group:

III

Hazard label:

9



Classification code:

M6

Special Provisions:

274 335 601

Limited quantity:

5 L

Excepted quantity:

E1

Transport category:

3

Hazard No:

90

Tunnel restriction code:

E

Inland waterways transport (ADN)

14.1. UN number:

UN 3082

14.2. UN proper shipping name:

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Chlorparaffines C14-C28

14.3. Transport hazard class(es):

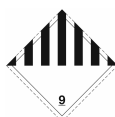
9

14.4. Packing group:

III

Hazard label:

9



Classification code:

M6

Special Provisions:

274 335 601

Limited quantity:

5 L

Excepted quantity:

E1

Marine transport (IMDG)

14.1. UN number:

UN 3082

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14.2. UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Chlorparaffines C14-C28

14.3. Transport hazard class(es): 9

14.4. Packing group: III

Hazard label: 9



Marine pollutant: P
Special Provisions: 274, 335
Limited quantity: 5 L
Excepted quantity: E1
EmS: F-A, S-F

Air transport (ICAO)

14.1. UN number: UN 3082

14.2. UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Chlorparaffines C14-C28

14.3. Transport hazard class(es): 9

14.4. Packing group: III

Hazard label: 9



Special Provisions: A97 A158
Limited quantity Passenger: 30 kg G
Passenger LQ: Y964
Excepted quantity: E1
IATA-packing instructions - Passenger: 964
IATA-max. quantity - Passenger: 450 L
IATA-packing instructions - Cargo: 964
IATA-max. quantity - Cargo: 450 L

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: yes



Danger releasing substance: Chlorparaffines C14-C28

14.6. Special precautions for user

No information available.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No information available.

SECTION 15: Regulatory information

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

EU regulatory information

Additional information

Contains: (Regulation (EC) No. 648/2004 (Detergents regulation))
< 5 % phosphates

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5 - 15 % hydrocarbons, aliphatic.
15 - 30 % hydrocarbons, halogenated.

National regulatory information

Water contaminating class (D): 2 - water contaminating

Additional information

Regarding the EU-directive 2008/105/EU contains the product none of the listed substances.

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Relevant H and EUH statements (number and full text)

H304	May be fatal if swallowed and enters airways.
H362	May cause harm to breast-fed children.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.

Further Information

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights.

The receiver of our product is singularly responsible for adhering to existing laws and regulations.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)