

**Nano Engine Super Protection**

Print date: 16.12.2015

Product code: 1316

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Nano Engine Super Protection

**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 35	
Place:	D-07338 Leutenberg	
Telephone:	+4936734/230-0	Telefax: +4936734/230-22
e-mail:	hotline@ctp-gmbh.de	
Contact person:	Jens Moeller, Dipl.-Chem.	Telephone: +4936734/230-19
Internet:	www.ctp-gmbh.de	

**1.4. Emergency telephone number:**

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

**Further Information**

Article Number: 33181, 33550, 33551, 33552, 33554, 51003

**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****Hazardous components which must be listed on the label**

Basic mineral oils

Chlorparaffines C14-C28

n-paraffine C10 - C13, n-Alkanes, &lt;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.



# Safety Data Sheet

according to Regulation (EC) No 1907/2006

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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.
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			
64771-72-8	n-paraffine C10 - C13, n-Alkanes, <2% Aromatics			5 - < 10 %
	929-018-5		01-2119475608-26	
	Asp. Tox. 1; H304 EUH066			
84605-29-8	Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts			< 1 %
	283-392-8		01-2119493626-26	
	Skin Irrit. 2, Eye Dam. 1, Aquatic Chronic 2; H315 H318 H411			

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.

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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.

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 (CO<sub>2</sub>). 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

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**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

**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 <sup>3</sup>
Water solubility: (at 20 °C)	insoluble

**Solubility in other solvents**

Organic solvents

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

No data

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**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

No information available.

**10.2. Chemical stability**

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 routes	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	
64771-72-8	n-paraffine C10 - C13, n-Alkanes, <2% Aromatics				
	oral	LD50	>2000 mg/kg	Rat	
	dermal	LD50	>2000 mg/kg	Rabbit	
	inhalative (4 h) vapour	LC50	>5000 mg/l	Rat	
84605-29-8	Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts				
	oral	LD50	>2000 mg/kg	Rat	
	dermal	LD50	>3200 mg/kg	Rabbit	

**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**

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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	
64771-72-8	n-paraffine C10 - C13, n-Alkanes, <2% Aromatics					
	Acute fish toxicity	LC50	>1000 mg/l	96 h	Oncorhynchus mykiss	
	Acute crustacea toxicity	EC50	>1000 mg/l	48 h	Daphnia magna	
84605-29-8	Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl) and iso-Pr) esters, zinc salts					
	Acute fish toxicity	LC50	1-10 mg/l	96 h	Fish	
	Acute crustacea toxicity	EC50	1-10 mg/l	48 h	Daphnia magna	

**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.

**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

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Excepted quantity: E1  
Transport category: 3  
Hazard No: 90  
Tunnel restriction code: E

**Inland waterways transport (ADN)**

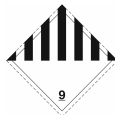
**14.1. UN number:** UN 3082  
**14.2. UN proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
Chlorparaffines C14-C28  
**14.3. Transport hazard class(es):** 9  
**14.4. Packing group:** III  
Hazard label: 9



Classification code: M6  
Special Provisions: 274 335 601  
Limited quantity: 5 L  
Excepted quantity: E1

**Marine transport (IMDG)**

**14.1. UN number:** UN 3082  
**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

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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 MARPOL73/78 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:

&lt; 5 % phosphates

5 - 15 % hydrocarbons, aliphatic.

15 - 30 % hydrocarbons, halogenated.

**National regulatory information**

Water contaminating class (D): 2 - water contaminating

**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.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H362	May cause harm to breast-fed children.
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.
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.)*