

Product Data Sheet
-NPS Engine Improvement-

1) Identification of the Material and Supplier

Product Name: NPS Engine Improvement
Article-No.: protection additive
Recommended Use: Engine Treatment
Company Name: **Nano Protect** Service

E-Mail: nano-protect-service@t-online.de

Telephone: 0049 2824 7200

Address: Friedenstrasse 8a
D-47551 Bedburg-Hau Germany

3) Hazards Identification

Specific hazards unknown

2) Composition / Information on Ingredients

Components	Concentration [%]	EINECS-No.	CAS-No.	R-Units	S-Units
Mineral Oil - 10W40	99,9 %			38-41 , 51 - 53	
Aluminum oxide	< 0,1%				
Silicon oxide	< 0,1%				
Carbon	< 0,1%				

4) First Aid Measures

General advice

Remove contaminated clothing.

Inhalation

Immediately ventilate and clear exposure area of all unprotected personnel.
If irritation persists, seek medical attention.

Skin

If irritation develops, seek medical attention.

Eye

Flush continuously with water. Seek medical attention.

Ingestion

DO NOT induce vomiting. Immediately wash out mouth with water and then give water to drink. Seek medical attention.

Advice to doctor

Treat symptomatically

5) Fire Fighting Measures

Suitable extinguishing media

carbon dioxide, dry agent, foam, spray water jet

Unsuitable extinguishing media

Full water jet

Specific hazard caused by the product or its combustion products

due to toxic pyrolyze products
carbon oxides (CO), sulfur oxides, nitrogen oxides (NO_x)

Specific protective equipment for fire fighting

Do not inhale toxic gases (carbon oxides, hydrocarbons). Wear a self contained breathing apparatus.

Additional advice

Combustion residua and contaminated fire water are to be disposed in accordance with relevant local legislation.

6) Accidental Release Measures

Individual related preventive measures

Specific slip hazard due to spilled (bulk) product
Use dikes or oil barriers to avoid extension into canalization, ground- or surface water

Disposal

Absorb spill with liquid binding material such as sand, saw dust, diatomite or binding agent. Dispose the absorbed material according to regulations.

7) Handling and Storage

Precautions for safe handling

Specific measures are not required if the product is applied correctly.

Advice for fire- and explosion protection

No specific measures required.

Requirements for storage area and containers

Solvent resistant and sealed floors are required to avoid infiltration of the ground.

Compatibility

Do not store together with oxidants

Further advices for storage conditions

Store in a well ventilated area. Ensure containers are sealed.

8) Exposure Control and Personal Protection

Additional advices for the arrangement of technical equipment control of the components limit value

Components	CAS	Value
Basic oil- not specified		MAK : 100 ppm
Mineral oil		MAK: 5 mg/m ³
Aluminum oxide		MAK: 4 mg/m ³
Silicon oxide		-
carbon		-

irrelevant.

Inhalation protection:

Not applicable

Hand protection:

PVA gloves (solvent resistant).

Eye protection:

Splash proof goggles

Body protection:

Not applicable

General protection measures

Avoid eye and skin contact.

Do not inhale gases, vapor and particulate material.

Hygiene measures

Wash hands before breaks and quitting time. Use a preventive skincare such as skin protection ointment.

Environmental exposure control and limitation

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9) Physical and Chemical Properties

Form:	Liquid
Colour:	Brown
Odour:	Characteristic
pH-Value	Not available.
Boiling Point [°C]:	Not available
SAE-Category:	10W-40 DIN 51511
Flash Point:	220°C DIN ISO 2592
Flammability:	Not available
Lower Explosion Limit:	Not available
Upper Explosion Limit:	Not available
Conflagration stimulative:	No
Vapor Pressure [hPa]: (20°C)	Not available
Density at 15°C [g/ml]:	0,88 DIN 51757
Solubility in Water:	Insoluble
Viscosity: (40°C)	92-102 mm ² /s DIN 51562
Viscosity: (100°C)	13,7 mm ² /s DIN 51562
Viscosity: (-25°C)	3200 mPa-s DIN 51377
Viscosity Index:	150 DIN ISO 2909
VKA-Value	>12KN DIN 51350
Air related Relative	
Vapour Density:	Not available
Evaporation Rate:	Not available
Melting Point [°C]:	-35
Auto Ignition Temperature:	Not available

10) Stability and Reactivity

Incompatible materials
Incompatible with oxidizing agents.

Hazardous decomposition products
Hazardous decomposition products unknown.

11) Toxicological Information

Acute oral toxicity	LD50 :
Acute dermal toxicity	LD50 :
Acute inhalation toxicity	LD50 :
Irritation of eye	Not available
Sensitization/ evaluation	Not available
Chronic Toxicity/ evaluation	Not available
Reproduction toxicity/ evaluation	Not available
Carcinogenic/ evaluation	Not available

Practical experience
Not available

General evaluation
Toxicological data are not available. The classification was effected according the analysis of the preparation code (88/379/EWG).

12. Ecological Information

Bio degradable
Not applicable

Fish toxicity

Sewage treatment plants characteristics
Not applicable

AOX information
The product contains no hazardous components.

General information
Ecological data of the entire product are not available

The product contains 76/464/EWG compounds according to recipe.

13. Disposal Considerations

Disposal of product
Contact the manufacturer for additional information about recycling. Dispose of in a combustor in accordance with relevant local legislation.

Disposal of contaminated packaging
Dispose as the product.
The uncontaminated packaging is recyclable.

14. Transport Information

14.1 Classification acc. ADR

ADR: No Dangerous Good
Product label:
Marks:
Factor: (ADR 10 011):
Hazard no.:
Hazard label:

14.2 Classification acc. IMDG:

IMDG Code: Not classified as Dangerous Goods
Product label:
Marks:
Hazard label:

14.3 Classification acc. IATA:

IMDG Code: Not classified as Dangerous Goods
Product label:
Marks:
Hazard label:

15. Regulations

Identification marking
The product is not subject to a declaration obligation in sense of EC regulations.

Specific identification marking of certain preparations
Irrelevant

National regulations

Employment restriction
Inapplicable.

Classification acc. VbF
VbF: is not subject to a regulation for flammable liquids

Water hazard category: 2
acc. VwVwS dd. 17.05.1999

Hazardous incident regulation, critical value: No

Classification acc.TA-air 3.1.7

Product code:

BGVV-No.:

Other regulations
Inapplicable

16. Other Information

The information is related to the product as delivered
38 Irritates skin
41 Hazard of serious eye injury
51 Toxic for water organisms
53 May have destructive impact on waters in long terms

Legend

n.a. = inapplicable / n.v = not available / n.g. = not verified
k.D.v. = data not available
AOX = absorbable organic halogen compounds
MAK = maximum activity area concentration
VbF = regulation for flammable liquids

This information solely describes the product regarding its safety arrangements. It does not warrant any properties and is based on our current knowledge. Liability is excluded.