

Power Lube Nano-Tec

Print date: 09.11.2011

Product code: 801

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

Product identifier

Power Lube Nano-Tec

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

Details of the supplier of the safety data sheet

Company name:	PRO-TEC Deutschland	
Street:	Großgeschwenda 51	
Place:	D-07330 Probstzella	
Telephone:	+4936735/444-0	Telefax: +4936735/444-44
e-mail:	info@pro-tec-deutschland.com	
Contact person:	Jens Möller, Dipl.-Chem.	
Internet:	www.pro-tec-deutschland.de	

Further Information

Article Number: 2971

SECTION 2: Hazards identification

Classification of the substance or mixture

Indications of danger : Extremely flammable, Dangerous for the environment

R-phrases:

Extremely flammable.

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

May cause harm to breastfed babies.

Label elements

Danger symbols: F+ - Extremely flammable; N - Dangerous for the environment



F+ - Extremely flammable



N - Dangerous for the environment

R phrases

12	Extremely flammable.
50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
64	May cause harm to breastfed babies.

S phrases

02	Keep out of the reach of children.
29	Do not empty into drains.
51	Use only in well-ventilated areas.

Special labelling of certain mixtures

Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use.

Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking. Keep out of the reach of children.

SECTION 3: Composition/information on ingredients

Mixtures

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Chemical characterization

Preventing agent
Mineral oils
Synthetic agent combinations
Lubricants

Aerosol propellant:
Propane/butane-mixture

Hazardous components

EC No.	Chemical name	Quantity
CAS No.	Classification	
Index No.	GHS classification	
REACH No.		
287-477-0	Chlorparaffines C14-C28	25 - 30 %
85535-85-9	N R50-53-64-66	
	Lact., Aquatic Acute 1, Aquatic Chronic 1; H362 H400 H410	
	Alcyl dithio phosphate	< 1 %
N/A	N R51-53	
	Aquatic Chronic 2; H411	

Full text of R- and H-phrases: see section 16.

SECTION 4: First aid measures

Description of first aid measures

General information

Move victim to fresh air. Put victim at rest and keep warm.

After contact with skin

Take off immediately all contaminated clothing, including underwear and shoes .
Subsequently wash again 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.
Do not induce vomiting.
Consult physician.

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.

Indication of any immediate medical attention and special treatment needed

Warning about danger of aspiration.

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media

Extinguishing powder.
Sand.
Carbon dioxide (CO2).

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Water spray.

Extinguishing media which must not be used for safety reasons

High power water jet.

Special hazards arising from the substance or mixture

Formation of decomposition products possible.

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

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

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.

Environmental precautions

Do not empty into drains or the aquatic environment.

In case of gas being released or leakage into waters, ground or the drainage system, the appropriate authorities must be informed.

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).

SECTION 7: Handling and storage

Precautions for safe handling

Advice on safe handling

Material must only be handled in closed installations or systems.

Avoid contact with skin and eyes.

Avoid oil mist

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.

SECTION 8: Exposure controls/personal protection

Control parameters

Exposure limits (EH40)

CAS No.	Chemical name	ml/m ³	mg/m ³	F/ml	Category	Origin
106-97-8	Butane	600	1450		TWA (8 h)	WEL
		750	1810		STEL (15 min)	WEL

Exposure controls

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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 when done working with material; at breaks, lunch, shift changes, etc."

Respiratory protection

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

Hand protection

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

Eye protection

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

Skin protection

Wear suitable protective clothing.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Physical state:	aerosole
Colour:	brown
Odour:	mild

Test method

Changes in the physical state

Lower explosion limits:	
Upper explosion limits:	
Density (at 20 °C):	0.97 g/cm ³
Water solubility: (at 20 °C)	insoluble
Solubility in other solvents:	Organic solvents

SECTION 10: Stability and reactivity

Conditions to avoid

No decomposition when used as intended.
Keep at temperature not exceeding 50 °C. Only use material in places where open light, fire and other sources of ignition can be kept away.
Keep away from heat.

Incompatible materials

Oxidizing agents.
acid, concentrated.

Hazardous decomposition products

Carbon monoxide (CO).
Carbon dioxide (CO₂).

SECTION 11: Toxicological information

Information on toxicological effects

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Acute toxicity

CAS No.	Chemical name				
	Exposure routes	Method	Dose	Species	h
85535-85-9	Chlorparaffines C14-C28				
	Acute oral toxicity	LD50	4000 mg/kg	rat.	
	Acute dermal toxicity	LD50	4000 mg/kg	rat.	
N/A	Alcyl dithio phosphate				
	Acute oral toxicity	LD50	>2000 mg/kg	rat.	

Irritation and corrosivity

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

Irritation of eyes: Irritant effect possible.

Sensitizing effects

no danger of sensitization.

SECTION 12: Ecological information

Toxicity

CAS No.	Chemical name				
	Aquatic toxicity	Method	Dose	Species	h
N/A	Alcyl dithio phosphate				
	Acute fish toxicity	LC50	1-10 mg/l	Fish	96
	Acute crustacea toxicity	EC50	1-10 mg/l	Daphnia magna	48

Further information

Do not empty into drains or the aquatic environment.

SECTION 13: Disposal considerations

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.

Have to add a Special treatment in compliance with official regulations in contact with approved waste disposal companies and with authorities in charge.

Waste disposal number of waste from residues/unused products

160504 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; gases in pressure containers (including halons) containing dangerous substances
Classified as hazardous waste.

Waste disposal number of used product

160504 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; gases in pressure containers (including halons) containing dangerous substances
Classified as hazardous waste.

Contaminated packaging

Container must be completely emptied.

SECTION 14: Transport information

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Land transport (ADR/RID)

UN number: UN1950
UN proper shipping name: AEROSOLS
 Propane/butane-mixture
Transport hazard class(es): 2
Packing group: -
 Hazard label: 2.1



Classification code: 5F
 Special Provisions: 190 327 625
 Limited quantity: 1 L
 Transport category: 2
 Hazard-no.: -
 Tunnel restriction code: D

Inland waterways transport

UN number: UN1950
UN proper shipping name: AEROSOLS
 Propane/butane-mixture
Transport hazard class(es): 2
Packing group: -
 Hazard label: 2.1



Classification code: 5F
 Special Provisions: 190 327 344 625
 Limited quantity: 1 L

Marine transport

UN number: UN1950
UN proper shipping name: AEROSOLS
 Propane/butane-mixture
Transport hazard class(es): 2
Packing group: -
 Hazard label: 2, see SP63

Marine pollutant: -
 Special Provisions: 63, 190, 277, 327, 344, 959
 Limited quantity: See SP277
 EmS: F-D, S-U

Air transport

UN/ID number: UN1950

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UN proper shipping name: AEROSOLS, flammable
Propane/butane-mixture

Transport hazard class(es): 2.1

Packing group: -

Hazard label: 2.1

Special Provisions: A145 A167

Limited quantity Passenger: 30 kg G

IATA-packing instructions - Passenger: 203

IATA-max. quantity - Passenger: 75 kg

IATA-packing instructions - Cargo: 203

IATA-max. quantity - Cargo: 150 kg



Environmental hazards

Dangerous for the environment: yes



SECTION 15: Regulatory information

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

EU regulatory information

Additional information

Contains:
< 5 % phosphates
> 30 % hydrocarbons, aliphatic.
15 - 30 % hydrocarbons, halogenated.

National regulatory information

Water contaminating class (D): 2 - water contaminating

SECTION 16: Other information

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

12 Extremely flammable.

50 Very toxic to aquatic organisms.

50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

51 Toxic to aquatic organisms.

53 May cause long-term adverse effects in the aquatic environment.

64 May cause harm to breastfed babies.

66 Repeated exposure may cause skin dryness or cracking.

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

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.

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.



Safety Data Sheet

according to Regulation (EU) No. 1907/2006

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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.)