

Diesel Anti Smoke

Print date : 19.05.2008

Product code : 446

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

Identification of the substance or preparation

Diesel Anti Smoke

Use of the substance/preparation

Anti Smoke Additive

Company/undertaking identification

Company name :	PRO-TEC Deutschland	
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Further Information

Article Number: 2151

2. Hazards identification

Classification

Indications of danger : Harmful
R-phrases :
Harmful: may cause lung damage if swallowed.
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

3. Composition/information on ingredients

Chemical characterization (preparation)

Synthetic agent combinations
Lubricants
Multifunction Diesel Fuel Additive

Hazardous components

EC-No.	CAS-No.	Chemical name	Quantity	Classification
265-149-8	64742-47-8	Distillates (petroleum), hydrotreated light, Kerosine - unspecified	< 80 %	Xn R65
248-363-6	27247-96-7	2-Ethyl hexyl nitrate	20 - 25 %	Xn, N R20-44-51-53-65
203-234-3	N/A	alcy l alcohol	1 - 5 %	Xi R36/38-52-53

Full text of each relevant R phrase can be found in heading 16.

4. First aid measures

After inhalation

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.

After contact with eyes

Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Consult physician.

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After ingestion

Let water be swallowed in little sips (dilution effect). Consult physician.

Advice to doctor

Warning about danger of aspiration.

5. Fire-fighting measures

Suitable extinguishing media

Extinguishing powder. Sand. Carbon dioxide (CO₂). alcohol resistant foam.

Extinguishing media which must not be used for safety reasons

High power water jet.

Special exposure hazards arising from substance or preparation itself, combustion products, resulting gases

Formation of decomposition products possible.

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

Special protective equipment for fire-fighters

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.

6. Accidental release measures

Personal precautions

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

Keep away from sources of ignition. No smoking.

Environmental precautions

Beat down gas/vapours/mist with water spray.

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 for cleaning up/taking up

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

Prevent spreading over great surfaces (e.g. by damming or installing oil booms).

7. Handling and storage

Handling

Advice on safe handling

Material must only be handled in closed installations or systems. Vapours / aerosols must be extracted by suction immediately at point of origin.

Avoid contact with skin and eyes.

Advice on protection against fire and explosion

Keep away from sources of ignition. No smoking.

Take precautionary measures against static discharges.

Storage

Requirements for storage rooms and vessels

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

8. Exposure controls/personal protection

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Exposure limit values

Exposure controls

Protective and hygiene measures

Take off immediately all contaminated clothing
Do not breathe gas/fumes/vapour/spray.
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 solvent-proof protective clothing according to EN 465.

9. Physical and chemical properties

General information

Physical state : liquid
Colour : yellow
Odour : characteristic

Important health, safety and environmental information

Test method

Changes in the physical state

Boiling point : 200 - 210 °C
Flash point : > 65 °C
Lower explosion limits : > 0,6 vol. %
Upper explosion limits : > 7,0 vol. %
Density (at 20 °C) : 0,810 - 0,825 g/cm³
Water solubility : insoluble
(at 20 °C)
Solubility in other solvents : Organic solvents

Other information

Ignition temperature : > 200 °C

10. Stability and reactivity

Conditions to avoid

Only use material in places where open light, fire and other sources of ignition can be kept away.
No decomposition when used as intended.

Materials to avoid

Oxidizing agents. acid, concentrated. Alkalis (alkalis), concentrated.

Hazardous decomposition products

No hazardous decomposition products are known.

11. Toxicological information

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Acute toxicity

observations relevant to classification: (LD/LC50-values):

Petroleum (Gasoline)

oral >2000 mg/Kg rat.

dermal >2000 mg/Kg Rabbit.

inhalant > 5 mg/l/4h rat.

Corrosive and irritant effects

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.

12. Ecological information

Ecotoxicity

Distillates(petroleum, gasoline)

Fish, LC50, 10-100 mg/l

Algae, IC50, 10-100 mg/l

Bioaccumulative potential

Swims on the water.

Low potential of bio-accumulation.

Further information

Do not empty into drains or the aquatic environment.

13. Disposal considerations

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.

Contaminated packaging

Container must be completely emptied.

Do not pierce, cut up or weld unclean container. (Explosion hazard.)

14. Transport information

Land transport (ADR/RID)

Other applicable information (land transport)

Not a hazardous material with respect to these transportation regulations.

Inland waterways transport

Other applicable information (inland waterways transport)

Not a hazardous material with respect to these transportation regulations.

Marine transport

Other applicable information (marine transport)

Not a hazardous material with respect to these transportation regulations.

Air transport

Other applicable information (air transport)

Not a hazardous material with respect to these transportation regulations.

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15. Regulatory information

Labelling

Danger symbols :

Xn - Harmful



Xn - Harmful

Hazardous component(s) to be indicated on label

Distillates (petroleum), hydrotreated light, Kerosine - unspecified
2-Ethyl hexyl nitrate

R phrases

- 65 Harmful: may cause lung damage if swallowed.
52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S phrases

- 02 Keep out of the reach of children.
46 If swallowed, seek medical advice immediately and show this container or label.

National regulatory information

Water contaminating class (D) : 1 - slightly water contaminating

16. Other information

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

- 20 Harmful by inhalation.
36/38 Irritating to eyes and skin.
44 Risk of explosion if heated under confinement.
51 Toxic to aquatic organisms.
52 Harmful to aquatic organisms.
52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
53 May cause long-term adverse effects in the aquatic environment.
65 Harmful: may cause lung damage if swallowed.

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.)