

## Material Safety Data Sheet

### PM Xeramic Diesel Protector -40°C

#### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

**Product name** : PM Xeramic Diesel Protector -40°C  
**Article number** : 20120, 20121  
**Manufacturer / Supplier** : Petromark Automotive Chemicals BV  
 Lijndenweg 25a  
 PO Box 294  
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 The Netherlands  
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**Further information obtainable from** : Research & Development / [r.tetteroo@petromark.nl](mailto:r.tetteroo@petromark.nl)  
**Information in case of Emergency** : Tel: +31(0)251-211397 (only at office hours 9:00 - 17:30)

#### 2. HAZARDS IDENTIFICATION

**Hazard Symbol(s)**

Xn



N



**Product Classification** : R36/38 Irritating to eyes and skin  
 R51/53 Toxic to aquatic organisms may cause long-term adverse effects in the aquatic environment.

#### 3. COMPOSITION / INFORMATION ON INGREDIENTS

**Substance / Preparation** : Mixture, Atypical diesel fuel additive

##### Information on Hazardous Ingredients \*

| Chemical name     | EU Number | Weight-%  | Symbol | R-phrases                |
|-------------------|-----------|-----------|--------|--------------------------|
| Petroleum Naphtha | 265-198-5 | 50 – 59.9 | N, Xn  | R10, R36/38, R51/53, R65 |

#### 4. FIRST AID MEASURES

**Ingestion** : DO NOT INDUCE VOMITING. Aspiration of material due to vomiting can cause chemical pneumonitis which can be fatal. Get immediate medical attention. Do NOT induce vomiting. Immediately call a poison centre or doctor.

**Eyes** : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical attention.

**Skin** : Wash with soap and water. Remove contaminated clothing. If skin irritation occurs, get medical attention. Launder contaminated clothing before reuse.

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**Inhalation** : Remove exposed person to fresh air if adverse effects are observed. If breathing is laboured, administer oxygen. If breathing has stopped, apply artificial respiration.

**Additional Information** : Note to physician: Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

**Flash Point** : >61°C, 141.8°F PMCC (Typical)

**Extinguishing Media** : CO2, Dry chemical or foam. Water can be used to cool and protect exposed material.

**Fire Fighting Procedures** : Recommended wearing self-contained breathing apparatus. Water may cause splattering.

**Unusual Fire & Explosion Hazards** : Vapours may be heavier than air and may travel along the ground to a distant ignition source and flash back. Container may rupture on heating.

### 6. ACCIDENTAL RELEASE MEASURES

**Spill Procedures** : Evacuate all non-essential personnel. Personal Protective Equipment must be worn, see Personal Protection Section for PPE recommendations. Remove sources of ignition. Ventilate spill area. Prevent entry into sewers and waterways, dispose of in accordance with all federal, state and local environmental regulation. Do not dispose in landfill. Pick up free liquid for recycle and/or disposal. Residual liquid can be absorbed on inert material. Check under Transportation and labelling (DOT/CERCLA) and Other Regulatory Information Section (SARA) for hazardous substances to determine regulatory reporting requirements for spills.

### 7. HANDLING AND STORAGE

**Pumping Temperature** : 50°C, 122°F

**Maximum Handling Temperature** : Not determined.

**Handling** : Keep away from potential sources of ignition. Keep containers closed when not in use. Do not discharge into drains or the environment; dispose to an authorized waste collection point. Wash thoroughly after handling. Empty containers retain material residue. Do not cut, weld, braze, solder, drill, grind or expose containers to heat, flame, spark or other sources of ignition.

**Maximum Storage Temperature** : 50°C, 122°F

**Storage Procedures** : Do not store near potential sources of ignition. Store in well ventilated area. Take precautions to avoid release to the environment.

**Loading Temperature** : Not determined.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Limits**

**EU** : Not applicable.

**UK** : Not applicable.

**Ireland** : Not applicable.

**India** : Not applicable.

**Cyprus** : Not applicable.

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|                                |  |
|--------------------------------|--|
| <b>Other Exposure Limits</b>   | : None known.  |
| <b>Engineering Controls</b>    | : Use material in well ventilated area only. Additional ventilation or exhaust may be required to maintain air concentrations below recommended exposure limits.   |
| <b>Hand Protection</b>         | : Nitrile. Polyvinyl alcohol. Note: polyvinyl alcohol gloves are water soluble and should not be used when there is potential for water contact.   |
| <b>Eye Protection</b>          | : Safety glasses. If potential for splash or mist exists, wear chemical goggles or face shield.  |
| <b>Respiratory Protection</b>  | : Use self-contained breathing apparatus for entry into confined space, for other poorly ventilated areas and for large spill clean-up sites.  |
| <b>Clothing Recommendation</b> | : Long sleeve shirt is recommended. Wear either a chemical protective suit or apron when potential for contact with material exists. When working with heated material, wear heat protective clothing. Do not wear rings, watches or similar apparel that could entrap the material and cause a skin reaction. Launder contaminated clothing before reuse. |

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

|                                 |  |
|---------------------------------|--|
| <b>Flashpoint</b>               | : > 61°C, 141.8°F PMCC (Typical).              |
| <b>Upper Flammable Limit</b>    | : 7%.  |
| <b>Lower Flammable Limit</b>    | : 0.6%.  |
| <b>Auto ignition Point</b>      | : > 450°C, > 842°F.                            |
| <b>Explosion Data</b>           | : Material does not have explosive properties. |
| <b>Vapour Pressure</b>          | : 1,5 kPa (20°C).                              |
| <b>pH</b>                       | : Not determined.                              |
| <b>Specific Gravity</b>         | : 0,91 (50°C).                                 |
| <b>Bulk Density</b>             | : Not determined.                              |
| <b>Water Solubility</b>         | : Insoluble.                                   |
| <b>Percent Solid</b>            | : Not determined.                              |
| <b>Percent Volatile</b>         | : Not determined.                              |
| <b>Percent Organic Compound</b> | : Not determined.                              |
| <b>Vapour Density</b>           | : Not determined.                              |
| <b>Evaporation Rate</b>         | : Not determined.                              |
| <b>Odour</b>                    | : Hydrocarbon.                                 |
| <b>Appearance</b>               | : White to light yellow liquid.                |
| <b>Viscosity</b>                | : < 90 Centistokes (50 °C).                    |
| <b>Odour Threshold</b>          | : Not determined.                              |
| <b>Boiling Point</b>            | : 178°C, 59°F.                                 |
| <b>Pour Point Temperature</b>   | : 15 °C, 59 °F.                                |
| <b>Melting / Freezing Point</b> | : Not determined.                              |

**The above data are typical values and do not constitute a specification.**

#### 10. STABILITY AND REACTIVITY

|                                  |  |
|----------------------------------|--|
| <b>Stability</b>                 | : Material is normally stable at moderate elevated temperatures and pressures.                   |
| <b>Decomposition Temperature</b> | : Not determined.  |
| <b>Incompatibility</b>           | : Strong oxidizing agents.   |
| <b>Polymerization</b>            | : Will not occur.  |
| <b>Thermal Decomposition</b>     | : Smoke, carbon monoxide, carbon dioxide, aldehydes and other products of incomplete combustion. |

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#### 11. TOXICOLOGICAL INFORMATION

##### Acute Exposure:

##### **Eye Irritation**

Moderate to strong eye irritant. Based on actual data. Vapors formed from heating may cause eye irritation. Overexposure to thermal decomposition products produced by high processing temperatures may be irritating to the eye.

##### **Skin Irritation**

Skin irritant. Based on actual data. Prolonged or repeated skin contact as from clothing wet with material may cause dermatitis. Symptoms may include redness, edema, drying, and cracking of the skin.

##### **Respiratory Irritation**

Exposure to a high concentration of vapor or mist is irritating to the respiratory tract.

##### **Dermal Toxicity**

The LD50 in rabbits is > 2000 mg/Kg. Based on actual data.

##### **Inhalation Toxicity**

High concentrations may cause headaches, dizziness, nausea, stupor, and other central nervous system effects leading to visual impairment, difficulty breathing and convulsions.

##### **Oral Toxicity**

The LD50 in rats is > 5000 mg/Kg. Based on actual data. Swallowing material may cause irritation of the gastrointestinal lining, nausea, vomiting, diarrhea, and abdominal pain. Material can be aspirated into the lungs during the act of swallowing or vomiting. This could result in severe injury to the lungs and death.

##### **Dermal Sensitization**

No data available to indicate product or components may be a skin sensitizer.

##### **Inhalation Sensitization**

No data available to indicate product or components may be respiratory sensitizers.

##### Chronic Exposure:

##### **Chronic Toxicity**

Repeated overexposure to petroleum naphtha can cause nervous system damage.

##### **Carcinogenicity**

No data available to indicate any components present at greater than 0.1% may present a carcinogenic hazard.

##### **Mutagenicity**

No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

##### **Reproductive Toxicity**

No data available to indicate either product or components present at greater than 0.1% that may cause reproductive toxicity.

##### **Teratogenicity**

No data available to indicate product or any components contained at greater than 0.1% may cause birth defects.

##### **Other**

No other health hazards known.

#### 12. ECOLOGICAL INFORMATION

##### Environmental Toxicity

##### **Freshwater Fish Toxicity**

: The acute LC50 is 1 - 10 mg/l, based on component data.

##### **Freshwater Invertebrates Toxicity**

: The acute EC50 is 1 - 10 mg/l, based on component data.

##### **Algae Toxicity**

: The acute EC50 is 1 - 10 mg/l, based on component data.

##### **Saltwater Fish Toxicity**

: Not determined.

##### **Saltwater Invertebrates Toxicity**

: Not determined.

##### **Bacteria Toxicity**

: Not determined.

##### **Miscellaneous Toxicity**

: Not determined.

##### Environmental Fate

##### **Biodegradation**

: At least 25% of the components in this product show moderate biodegradation based on OECD 301-type test data.

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**Bioaccumulation** : 25% or greater of the components potentially bio concentrate, based on measured octanol / water partition coefficients.

**Soil Mobility** : Not determined

**WGK** : WGK = 2 according to the Water Hazardous Directive, VwVwS, dated May 17, 1999.

**13. DISPOSAL CONSIDERATIONS**

**Waste Disposal** : This material, if discarded, should be considered a European hazardous waste in accordance with European Law. H4, H14.

**14. TRANSPORT INFORMATION**

**ICAO / IATA (International)** : UN3082 Environmentally hazardous substance, liquid, n.o.s. (Petroleum naphtha), 9, III, Marine Pollutant (Petroleum naphtha).

**IMDG (Ambient)** : UN3082 Environmentally hazardous substance, liquid, n.o.s. (Petroleum naphtha), 9, III, Marine Pollutant (Petroleum naphtha).

**IMDS EMS Fire** : F-A

**IMDS EMS Spill** : S-F

**IMDS MFAG** : None

**MARPOL Annex II** : UN3082 Environmentally hazardous substance, liquid, n.o.s. (Petroleum naphtha), 9, III, Marine Pollutant (Petroleum naphtha).


**USCG Compatibility** : Not determined.

**ADR/RID** : UN3082 Environmentally hazardous substance liquid, n.o.s. (Petroleum naphtha), 9, III, Aquatic Pollutant (Petroleum naphtha).

**ADR/RID Hazard ID No. South Africa** : 90  
: UN3082 Environmentally hazardous substance liquid, n.o.s. (Petroleum naphtha), 9, III, Aquatic Pollutant (Petroleum naphtha).

**Review classification requirements before shipping materials at elevated temperatures.**

**15. REGULATORY INFORMATION**

**Hazard Symbol(s)** Xn  


N  


**Indication of Danger** : Xn Harmful.  
: N Dangerous for the environment.

**Precautionary Labels** : R36/38 Irritating to eyes and skin.  
: R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
: S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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- S37/39 Wear suitable gloves and eye/face protection.  
 S51 Use only in well ventilated areas.  
 S61 Avoid release to the environment. Refer to special instructions / Safety data sheets.  
 S62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

**Other Label Information** : None

#### Global Chemical Inventories:

- USA** : All components of this material are on the US TSCA Inventory or are exempt.  
**EU** : All components are in compliance with the EC Seventh amendment Directive 92 /32/EEC.  
**Japan** : All components are in compliance with the Chemical Substances Control Law of Japan.  
**Australia** : All components are in compliance with chemical notification requirements in Australia.  
**New Zealand** : All components are in compliance with chemical notification requirements in New Zealand.  
**Canada** : All components are in compliance with the Canadian Environmental Protection Act and are present on the Domestic Substances List.  
**Switzerland** : All components are in compliance with the Environmentally Hazardous Substances Ordinance in Switzerland.  
**Korea** : All components are in compliance in Korea.  
**Philippines** : All components are in compliance with the Philippines Toxic Substances and Hazardous and Nuclear Wastes Control Act of 1990 (R.A. 6969).  
**China** : All components of this product are listed on the Inventory of Existing Chemical Substances in China.

#### 16. OTHER INFORMATION

**HMIS Codes** :

| Health | Fire | Reactivity |
|--------|------|------------|
| 2      | 2    | 0          |

- Relevant R Phrases** : R10 Flammable.  
 R36/38 Irritating to eyes and skin.  
 R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
 R65 Harmful: may cause lung damage if swallowed.

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#### HISTORY

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## **Material Safety Data Sheet**

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