

Material Safety Data Sheet

PM Xeramic Kart Transmission Oil

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

Product name : PM Xeramic Kart Transmission Oil
Article number : 20473
Manufacturer / Supplier : Petromark Automotive Chemicals BV
 Lijndenweg 25a
 Postbus 294
 1940 AG Beverwijk
 The Netherlands
 +31 (0)251 211397

Further information obtainable from : Research & Development / 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

Classification of substances or mixture : Not classified as dangerous under EU Criteria.
Main hazards : This product is not considered to be hazardous but contains hazardous components.
Adverse physicochemical effects and symptoms : Not expected to be a fire/explosion hazard under normal conditions of use.
Adverse human health effects and symptoms : expected to be a significant health hazard under conditions of normal use.
Adverse environmental effects and symptoms : Not expected to be an environmental hazard when used under normal conditions.
Other adverse hazards : Overexposure to oil mist may cause respiratory irritations. Oil mist deposited on surfaces may cause slip hazard. Injection of oil under the skin may cause considerable damage to the underlying tissues.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characterization : Mixture of mineral base oils (PCA-content < 3 % -IP 346) and additives.

Composition of the mixture:

Substance name	Value(s)	CAS-nr.	EG-nr.	EC-Index	Classification
Highly refined mineral oils	90 -95 %				
Methacrylate copolymer	1 -5 %				Xi; R36
Other information	: See § 16 for full text of all R-phrases.				

4. FIRST AID MEASURES

General information : In case of accident or if you feel unwell, seek medical advice immediately (show the label when possible).
First aid:
 - After inhalation : Assure fresh air breathing. If you feel unwell, seek medical advice.
 - After contact with skin : Remove contaminated clothing and shoes. Wash skin thoroughly with mild soap and water. Never use kerosene or gasoline for cleaning the skin.

Material Safety Data Sheet PM Xeramic Kart Transmission Oil

- **After contact with the eyes** : Flush with lukewarm water for 15 minutes. Seek medical attention immediately.
- **After ingestion** : If swallowed, immediately administer water (1/2 liter) only if victim is completely conscious / alert. Seek medical attention if ill effect develops.
- **After injection** : If injected under the skin when using high pressure equipment, send casualty immediately to a hospital, even when there are few or no symptoms.
- Note to physician** : Treat symptomatically.

5. FIRE-FIGHTING MEASURES

- Prevention** : Keep public away from danger area.
- Suitable extinguishing media** : Water fog. Carbon dioxide. Foam. Dry chemical product.
- Unsuitable extinguishing media** : Do not use a heavy water stream.
- Special exposure hazards** : Under fire conditions, hazardous fumes will be present.
- Special protective equipment for fire-fighters** : Do not enter fire area without proper protective equipment, including respiratory protection.
- Other information** : Use water spray or fog for cooling exposed containers. Avoid fire-fighting water to enter environment.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions** : Avoid all unnecessary exposure. Remove ignition sources. Equip cleanup crew with proper protection.
- Environmental precautions** : Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.
- Methods for cleaning up** : Clean up any spills as soon as possible, using an absorbent material to collect it. Use suitable disposal containers.
- Other information** : Spill area may be slippery.

7. HANDLING AND STORAGE

- Handling:**
- Precautions for safe handling** : Avoid all unnecessary exposure. Ventilate area.
- Precautions to prevent fire & explosions** : Keep away from sources of ignition. No naked lights. No smoking.
- Storage:**
- Specific design for storage rooms or vessels** : Store this product in a dry location where it can be protected from the elements.
- Storage away from** : Store in tightly closed, properly ventilated containers away from heat, sparks, open flame, strong oxidizers, radiations, and other initiators. Keep away from food, drink and animal feeding stuffs.
- Conditions of storage** : Keep at temperature not exceeding 50°C.
- Other information** : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- Occupational exposure limit Values** : Time Weighted Average (TWA) 8 hours value for oil mist (mineral): 5 mg/m³

Material Safety Data Sheet

PM Xeramic Kart Transmission Oil

Technical measures to prevent exposure : Use only in well ventilated areas.

Personal protective equipment:

- **Respiratory protection** : The use of Filtertype A (EN141) is recommended If exceeding the Occupational Exposure Limit.
- **Hand protection** : Wear suitable gloves resistant to chemical penetration. (EN 374)
- **Eye protection** : Safety glasses.
- **Skin protection** : Wear suitable protective clothing.
- **Others** : Do not wear leather soled shoes.

Environmental exposure controls : Avoid release to the environment.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Physical state : Oily liquid.

Colour : Red.

Odour : Light odour of petroleum.

Important health, safety and environmental information:

Density @ 15°C : 846 kg/m³.

Viscosity @ 40°C : 29.8 cSt.

Viscosity @ 100°C : 6.0 cSt.

Flashpoint : >206°C (COC).

Solubility in water : Insoluble.

10. STABILITY AND REACTIVITY

Physico-chemical stability : Stable under normal conditions.

Conditions to avoid : Extremely high or low temperatures. Sparks. Open flame.

Materials to avoid : Strong oxidizing agents. Strong reducing agents.

Hazardous decomposition products : None under normal conditions.

11. TOXICOLOGICAL INFORMATION

Toxicological information : No specific toxicity data on this product available.

Effects and symptoms from short-term exposure:

- **After inhalation** : Slight irritant by inhalation.
- **After ingestion** : Not determined.
- **After skin contact** : Prolonged or repeated skin contact with the material will remove natural oils and could lead to a dermatitis.
- **After eye contact** : Slight eye irritant upon direct contact.

Effects and symptoms from long-term exposure:

Sensitising by skin contact : No sensitization effects known.

Sensitising by inhalation : No sensitization effects known.

Other toxicological information: No data available

12. ECOLOGICAL INFORMATION

Ecotoxicity : No specific ecotoxicity data on this product available.

Mobility : Not determined.

Persistence and degradability : Not determined.

Material Safety Data Sheet PM Xeramic Kart Transmission Oil

Bioaccumulative potential : Not determined.
Other adverse effects : No data available

13. DISPOSAL CONSIDERATIONS

Waste Disposal : Dispose in a safe manner in accordance with local/national regulations.
Waste-disposal procedures : See Directive 2001/118/EC
Industrial waste number (EURAL) : 13 02 00 -waste engine, gear and lubricating oils. 13 02 05 -mineral-based non chlorinated engine, gear and lubricating oils. 15 01 10 - packaging containing residues of or contaminated by dangerous substances.

14. TRANSPORT INFORMATION

General information : Not regulated.

15. REGULATORY INFORMATION

EC Labelling:

Hazard symbols & hazard

Statements : Not applicable.
R Phrase(s) : Not applicable
S Phrase(s) : S29/35 : Do not empty into drains; dispose of this material and its container in a safe way.

Special labelling for certain mixtures

: Material Safety Data Sheet available for professional users on request.

National Regulations (Germany)

: Water Hazard Class 1: low hazard to waters (acc. VwVwS)

16. OTHER INFORMATION

Relevant R-phrases listed in Heading 2 & 3

: R36 : irritating to eyes.

Further information

: r.tetteroo@petromark.nl

Sources of key data used to compile the Safety Data Sheet

: Concawe Report 01/53, Concawe Report 01/54, Concawe Report 05/87 and Regulation (EC) No 1907/2006 of the European Parliament and of the Council

Revision Indicators

: None.

The contents and format of this MSDS are in accordance with Regulation (EC) No 1907/2006 of the European Parliament and of the Council.

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