

Material Safety Data Sheet

PM Xeramic Engine Flush

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

Product name : PM Xeramic Engine Flush
Article number : 20124, 20431
Manufacturer / Supplier : Petromark Automotive Chemicals BV
 Lijndenweg 25a
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 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 : During use in engines, contamination of oil with low levels of cancer-causing combustion products occurs. Used motor oils have been shown to cause skin cancer in mice following repeated application and continuous exposure. Brief or intermittent skin contact with used motor oil is not expected to have serious effects in humans if the oil is thoroughly removed by washing with soap and water. Avoid prolonged contact with used motor oil. Overexposure to oil mist may cause respiratory irritations. Oil mist deposited on surfaces may cause slip hazard.

3. COMPOSITION / INFORMATION ON INGREDIENTS

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

Composition of the mixture:

Substance name	Value(s)	CAS-nr.	EG-nr.	EC-Index	Classification
Base oil : distillates hydrotreated heavy paraffinic	: 95 -100 %	64742-54-7	265-157-1	649-467-00-8	
Other information	: See § 16 for full text of all R-phrases.				

4. FIRST AID MEASURES

General Advice : In case of accident or if you feel unwell, seek medical advice immediately (show the label when possible).

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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.
 - **After contact with the eyes** : Rinse immediately with plenty of water. Seek medical attention if irritation develops.
 - **After ingestion** : Do not induce vomiting. Seek medical attention immediately. The ingestion of lubricating oils is an unlikely event. No specific therapy is indicated in view of the very low toxicity of the base oil(s) and other components. Treat with supportive measures as appropriate to the patient's condition.
- 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.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limit
Values : ACGIH TLV-TWA (8 hrs) for oil mists: 5 mg/m³.

Technical measures to prevent exposure : Well-ventilated area.

Personal protective equipment:
- Respiratory protection : No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation.

- Hand protection : Wear suitable gloves resistant to chemical penetration. (EN 374)

- Eye protection : Chemical goggles or safety glasses. (EN 166)

- 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 : Yellow-brown.

Odour : Light odour of petroleum

Important health, safety and environmental information:
Density @ 15°C : 874 kg/m³
Flashpoint : >200°C

Solubility in water : Negligible.

10. STABILITY AND REACTIVITY

Physico-chemical stability : Stable under normal conditions.

Hazardous reactions : None under normal conditions.

Conditions to avoid : Extremely high or low temperatures.

Materials to avoid : Strong oxidizing 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 : Inhalation of vapours may cause respiratory irritation.

- After ingestion : Ingestion unlikely.

- After skin contact : Repeated or prolonged skin contact may cause irritation.

- 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

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12. ECOLOGICAL INFORMATION

Ecotoxicity : No specific ecotoxicity data on this product available.
Mobility : No data available
Persistence and degradability : Not readily biodegradable.
Bioaccumulative potential : No data available
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 : not applicable.
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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handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.

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