

Material Safety Data Sheet

PM Xeramic Alu Paste

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

Product name : PM Xeramic Alu Paste
Article number : 20162
Manufacturer / Supplier : Petromark Automotive Chemicals BV
Lijndenweg 25a
PO Box 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

Hazard designation : May cause sensitisation by skin contact.
Classification : R43

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous components
WHITE SPIRIT : ECNo. : 2651854; CASNo. : 64742821
Percentage : 1 - 2,5 %
Classification : R 10 N ; R 51/53 R 43 Xn ; R 20/21/22 Xn ; R 65 Xi ; R 36/38

NPHENYL BENZOLAMINE DERIVATIVES
Percentage : < 2,5 %
Classification : N ; R 51/53

For the wording of the listed risk phrases refer to section 16.

4. FIRST AID MEASURES

General Advice : In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. For further information refer to "specifications about toxicology".

First aid:

- **After inhalation** : Take the casualty into the fresh air and keep warm. Irregular breathing/no breathing: artificial respiration. Unconsciousness: lateral position call a physician.
- **After contact with skin** : Immediately remove all contaminated clothing. Wash away with soap and water and rinse. Do NOT use solvents or thinners.
- **After contact with the eyes** : Remove contact lenses, keep eyelids open. Flush with plenty of water (10 15 min.). Call a physician.
- **After ingestion** : First aid measures: Do not induce vomiting. Rinse mouth with cold water. Keep at rest.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : Alcohol resistant foam, CO2, powders, water spray.
Unsuitable extinguishing media : Waterjet.

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Special risk posed by the substance or by the actual preparation, its combustion products or gases discharged

: In case of fire do not breathe fumes.

Special protective equipment : Appropriate breathing apparatus may be required.

Additional information : Cool endangered containers with water in case of fire. Do not allow the quenching water into the sewage system.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Take the precautions customary when handling chemicals. Refer to protective measures listed in sections 7 and 8.

Environmental precautions : Do not empty into drains. If the product contaminates lakes, rivers or sewages, inform appropriate authorities in accordance with local regulations.

Methods for cleaning up : Contain and collect spillage with non combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13). Clean preferably with a detergent; avoid use of solvents.

7. HANDLING AND STORAGE

Information for safe handling : Avoid contact with skin and eyes. Do not eat or drink during work no smoking. Comply with the health and safety at work laws.

Information about protection against explosions and fires : Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air.

Requirements to be met by store rooms and containers : Keep container tightly closed. Never use pressure to empty: container is not a pressure vessel. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Information about separation of incompatible products : Keep away from oxidizing agents, from strongly alkaline and strongly acid materials.

Further information about storage conditions : Always keep in containers of same material as the original one. See also instructions on the label. Avoid heating and direct sunlight. Keep away from ignition sources - No smoking.

Storage class (VCI) : 10

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Additional information about engineering measures : Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL (=Occupational Exposure Limit) , suitable respiratory protection must be worn.

Components with critical values that require monitoring at the workplace (exposure limits) : ALUMINIUM POWDER (PYROPHORIC) ; CASNo. : 7429905

Specification : TRGS 903 biological maximum limits (D)

Parameter : Aluminium / urine / end of exposure or shift

Value : 0,2 mg/l

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Version date	: 31-03-2004
Personal protective equipment	
Respiratory protection	: If workplace limits are exceeded, a gas mask approved for this purpose must be worn. Fresh air masks are recommended, or combination filters A2P2 for works of short duration.
Hand protection	: Use protective gloves.
Eye protection	: Use safety glasses.

9. PHYSICAL AND CHEMICAL PROPERTIES

Relevant safety data

Physical state	: liquid
Odour	: Characteristic.
Colour	: Greyish.
Boiling point/range (1013 hPa)	: > 150 °C
Flash point	: > 100 °C
Density (20 °C)	: ca. 1 g/cm ³
Solubility in water (20 °C)	: < 1 % b.w.
Viscosity (20 °C)	: no data available

10. STABILITY AND REACTIVITY

Conditions to avoid	: Stable under recommended storage and handling conditions (See section 7).
Materials to avoid	: Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.
Hazardous decomposition products	: When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen. Hydrogen sulfide and alkyl mercaptans and sulfides may also be released. Under combustion conditions, oxides of the following elements will be formed: calcium, sulfur, zinc.

11. TOXICOLOGICAL INFORMATION

There are no data available on the preparation itself. The product was classified in toxicological terms on the basis of the results of the calculation procedure outlined within General Directive on Preparations (1999/45/EC). Prolonged inhalation of vapours in high concentrations may lead to headache, giddiness and nausea. Inhalation/eye contact: in high concentrations irritating to the mucous membranes, narcotic effect and influence on power of reaction and loss of coordination possible. Skin and eye contact: frequent and long lasting contact may cause irritation and skin inflammation. Eye contact: irritation.

12. ECOLOGICAL INFORMATION

Do not empty into waters or drains.

13. DISPOSAL CONSIDERATIONS

In accordance with local official regulations.

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14. TRANSPORT INFORMATION

Land transport ADR/RID
Classification : Not subject to ADR/RID.

Class :

Maritime transport IMDG/GGVSea
Classification : Not subject to IMDG code.

IMDGCode :

Air transport ICAOTI and IATADGR
Classification : Not subject to IATA regulations.

Class :

15. REGULATORY INFORMATION

Classification according to EC directives
Danger symbol and danger designation


Xi Irritant

Hazarddetermining components
of labelling : WHITE SPIRIT ; CASNo. : 64742821

R-phrases : 43 May cause sensitisation by skin contact.

S-phrases : 35 This material and its container must be disposed of in a safe way.
 37 Wear suitable gloves.
 24 Avoid contact with skin.

National regulatory information
Water pollution classification
Class : - according VwVwS

16. OTHER INFORMATION

Other information

The details in this material safety data sheet satisfy national and EC legislation. We have no knowledge or control over the user's working conditions however. The user is responsible for the observance of all required statutory provisions.

R-Phrases of components
10 Flammable.

20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

36/38 Irritating to eyes and skin.

43 May cause sensitisation by skin contact.

51/53 Toxic to aquatic organisms, may cause longterm adverse effects in the aquatic environment.

65 Harmful: may cause lung damage if swallowed.

Further information : r.tetteroo@petromark.nl

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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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Prepared by : Petromark Automotive Chemicals B.V.
P.O. Box 294
1940 AG Beverwijk
Netherlands