Safety Data Sheet

20433 PM Xeramic Fuel Stabiliser 1Ltr

Issue date 16-May-2014 **Revision date** 16-May-2014 **Version** 2

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product Identifier

Product name 20433 PM Xeramic Fuel Stabiliser 1Ltr

Pure substance/mixture Mixture

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended Use No information available
Uses advised against No information available

1.3. Details of the supplier of the safety data sheet

Petromark Automotive Chemicals
Rooswijkweg 316, 1951 ME Velsen-Noord, The Netherlands
www.petromark.eu • info@petromark.eu
Tel. +31 (0)251 211397

For further information, please contact

Petromark Automotive Chemicals: info@petromark.eu

1.4. Emergency telephone number

Petromark Automotive Chemicals
Tel. +31 (0)251 211397

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

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Aspiration toxicity	Category 1 - (H304)

Classification according to Directive 67/548/EEC or 1999/45/EC

Hazard symbols
Xn - Harmful

R-code(s)
Xn;R65 - R66

Full text of R-phrases: see section 16

2.2. Label Elements

Product Identifier
Contains Hydrocarbons, C11-C14, N-Alkanes, Isoalkanes, Cyclics, < 2%Aromatics

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Signal Word
DANGER

hazard statements
H304 - May be fatal if swallowed and enters airways
EUH208 - Contains N,N-Di-Sec-Butyl-P-Phenylenediamine May produce an allergic reaction
EUH066 - Repeated exposure may cause skin dryness or cracking

Precautionary Statements - EU (§28, 1272/2008)
P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
P331 - Do NOT induce vomiting

2.3. Other Hazards
May be harmful in contact with skin Harmful to aquatic life combustible liquid

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Chemical name	EC No	CAS No	REACH registration number	Classification according to Directive 67/548/EEC or 1999/45/EC	Classification according to Regulation (EC) No. 1272/2008 [CLP]	weight-%
Hydrocarbons, C11-C14, N-Alkanes, Isoalkanes, Cyclics, < 2%Aromatics	926-141-6	64742-47-8	01-2119456620-43	Xn;R65 R66	EUH066 Asp. Tox. 1 (H304)	>=95
N,N-Di-Sec-Butyl-P-Phenylenediamine	202-992-2	101-96-2	no data available	Xn;R22 C;R34 R43 Xn;R48/20/21/22 N;R50	Acute Tox. 4 (H302) Skin Corr. 1B (H314) Skin Sens. 1 (H317) STOT RE 2 (373) Aquatic Acute 1 (H400)	<1
Phenol	203-632-7	108-95-2	no data available	T;R23/24/25 C;R34 Xn;R48/20/21/22 Muta.Cat.3;R68	Acute Tox. 3 (H301) Acute Tox. 3 (H311) Skin Corr. 1B (H314) Acute Tox. 3 (H331) Muta. 2 (H341) STOT RE 2 (373)	<0.1
2,4-Di-Tert-Butyl-Phenol	202-679-0	98-54-4	no data available	Xn;R21/22 C;R34 N;R51-53	Acute Tox. 4 (H302) Acute Tox. 3 (H311) Skin Corr. 1B (H314) Aquatic Chronic 2 (H411)	<0.1

Full text of R-phrases: see section 16

Full text of H- and EUH-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice If symptoms persist, call a physician. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing.

inhalation Remove to fresh air. Call a physician. If breathing is irregular or stopped, administer artificial respiration. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Immediate medical attention is not required. If symptoms persist, call a physician. Move to fresh air in case of accidental inhalation of vapors or decomposition products.

Skin contact Consult a physician if necessary. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Immediate medical attention is not required. If skin irritation persists, call a physician. Rub greasy ointment into the skin.

Eye Contact Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.

Ingestion Do NOT induce vomiting. Rinse mouth. Drink plenty of water. If symptoms persist, call a physician. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Call a physician.

Self-protection of the first aider Use personal protective equipment as required.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms Respiratory complaints. Repeated exposure may cause skin dryness or cracking. allergic skin reaction.

4.3. Indication of any immediate medical attention and special treatment needed

Note to physicians Keep victim warm and quiet. Treat symptomatically. Observe risk of aspiration if vomiting occurs.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media
Dry chemical, CO2, water spray or regular foam. Water spray, fog or regular foam. Use water spray or fog; do not use straight streams. Move containers from fire area if you can do it without risk. Use. Dry chemical. Carbon dioxide (CO2). Water spray (fog). Alcohol resistant foam.

Unsuitable Extinguishing Media
CAUTION: All these products have a very low flash point. Use of water spray when fighting fire may be inefficient

5.2. Special hazards arising from the substance or mixture

Vapors may form explosive mixtures with air Vapors may travel to source of ignition and flash back Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks) Vapor explosion hazard indoors, outdoors or in sewers Those substances designated with a "P" may polymerize explosively when heated or involved in a fire Runoff to sewer may create fire or explosion hazard Substance may be transported hot Keep product and empty container away from heat and sources of ignition Risk of ignition

Hazardous combustion products Carbon dioxide (CO2), Carbon monoxide, Nitrogen oxides (NOx).

5.3. Advice for firefighters

In the event of fire and/or explosion do not breathe fumes. Use water spray jet to protect personnel and to cool endangered containers. Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required. Do not allow run-off from fire-fighting to enter drains or water courses.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions
ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). All equipment used when handling the product must be grounded. Do not touch or walk through spilled material. Stop leak if you can do it without risk. Use personal protective equipment as required. Remove all sources of ignition. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Pay attention to flashback. Take precautionary measures against static discharges. Special danger of slipping by leaking/spilling product. Ensure adequate ventilation, especially in confined areas. Do not breathe gas/fumes/vapor/spray.

Water spray may reduce vapor; but may not prevent ignition in closed spaces.

For emergency responders
Use personal protection recommended in Section 8.

6.2. Environmental precautions

Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. See Section 12 for additional Ecological Information.

6.3. Methods and material for containment and cleaning up

Methods for Containment	A vapor suppressing foam may be used to reduce vapors. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Dike far ahead of liquid spill for later disposal.
Methods for cleaning up	Cover liquid spill with sand, earth or other non-combustible absorbent material. Cover powder spill with plastic sheet or tarp to minimize spreading. Pick up and transfer to properly labeled containers. Soak up with inert absorbent material. Dam up. Take precautionary measures against static discharges. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

6.4. Reference to other sections

See section 8 for national exposure control parameters. See Section 12 for additional Ecological Information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling
Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Use with local exhaust ventilation. All equipment used when handling the product must be grounded. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). Ensure adequate ventilation, especially in confined areas. Do not breathe gas/fumes/vapor/spray. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

General hygiene considerations
Wash contaminated clothing before reuse. When using do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions
Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep containers tightly closed in a cool, well-ventilated place. Keep away from heat. Keep in properly labeled containers.

7.3. Specific end use(s)

Risk Management Methods (RMM)
The information required is contained in this Material Safety Data Sheet.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limits .

Chemical name	European Union	United Kingdom	France	Spain	Germany
Hydrocarbons, C11-C14, N-Alkanes, Isoalkanes, Cyclics, < 2%Aromatics 64742-47-8	-	-	-	-	TWA: 20 ppm TWA: 140 mg/m³ Ceiling / Peak: 40 ppm Ceiling / Peak: 280 mg/m³ Skin
Phenol 108-95-2	S* TWA: 2 ppm TWA: 8 mg/m³ STEL: 4 ppm STEL: 16 mg/m³ TWA 7.8 mg/m³ TWA 2 ppm	STEL: 4 ppm STEL: 16 mg/m³ TWA: 2 ppm TWA: 7.8 mg/m³ Skin	TWA: 2 ppm TWA: 7.8 mg/m³ STEL: 4 ppm STEL: 15.6 mg/m³	S* STEL: 4 ppm STEL: 16 mg/m³ TWA: 2 ppm TWA: 8 mg/m³	Skin TWA: 2 ppm TWA: 8 mg/m³
2,4-Di-Tert-Butyl-Phenol 98-54-4	-	-	-	S*	TWA: 0.080 ppm TWA: 0.5 mg/m³ Ceiling / Peak: 0.16 ppm Ceiling / Peak: 1.0 mg/m³ Skin TWA: 0.08 ppm

Chemical name	Italy	Portugal	Netherlands	Finland	Denmark
Phenol 108-95-2	TWA: 2 ppm TWA: 7.8 mg/m³ Skin	TWA: 5 ppm	Skin TWA: 8 mg/m³	TWA: 2 ppm TWA: 8 mg/m³ STEL: 4 ppm STEL: 16 mg/m³ Skin	TWA: 1 ppm TWA: 4 mg/m³ Skin
2,4-Di-Tert-Butyl-Phenol 98-54-4	-	-	-	-	TWA: 0.08 ppm TWA: 0.5 mg/m³ Skin

Chemical name	Austria	Switzerland	Poland	Norway	Ireland
Phenol 108-95-2	Skin STEL 4 ppm STEL 16 mg/m³ TWA: 2 ppm TWA: 8 mg/m³	Skin STEL: 5 ppm STEL: 19 mg/m³ TWA: 5 ppm TWA: 19 mg/m³	STEL: 16 mg/m³ TWA: 7.8 mg/m³	TWA: 1 ppm TWA: 4 mg/m³ Skin STEL: 3 ppm STEL: 12 mg/m³	TWA: 2 ppm TWA: 8 mg/m³ Skin
2,4-Di-Tert-Butyl-Phenol 98-54-4	Skin STEL 0.4 ppm STEL 2.5 mg/m³ TWA: 0.08 ppm TWA: 0.5 mg/m³	STEL: 0.16 ppm STEL: 1.0 mg/m³ TWA: 0.08 ppm TWA: 0.5 mg/m³	-	-	-

Chemical name	European Union	United Kingdom	France	Spain	Germany
Phenol 108-95-2	-	-	-	120	-
2,4-Di-Tert-Butyl-Phenol 98-54-4	-	-	-	-	2 mg/L

Chemical name	Italy	Portugal	Netherlands	Finland	Denmark
Phenol 108-95-2	-	-	-	1.3	-

Chemical name	Austria	Switzerland	Poland	Norway	Ireland
Phenol 108-95-2	-	250	-	-	-
2,4-Di-Tert-Butyl-Phenol 98-54-4	-	2	-	-	-

Derived No Effect Level (DNEL) No information available

Predicted No Effect Concentration (PNEC) No information available.

8.2. Exposure controls

Engineering controls Provide adequate ventilation as well as local exhaustion at critical locations.

Personal Protective Equipment

Eye/face Protection Tight sealing safety goggles.

Hand protection Wear protective gloves. To protect the wearer, gloves must be the correct fit and be used properly. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves.

Skin and Body Protection Wear chemical resistant clothing such as gloves, apron, boots or whole bodysuits made from neoprene, as appropriate. Antistatic footwear. Suitable protective clothing. Wear protective gloves. To protect the wearer, gloves must be the correct fit and be used properly. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. Gloves must conform to standard EN 374

Respiratory protection Respiratory protection necessary at:. insufficient ventilation. exposure limit overshoot. insufficient exhaust. Handling larger quantities. Use. :. Positive Pressure Self-Contained Breathing Apparatus (SCBA). /. Filtering device (full mask or mouthpiece) with filter.

Recommended Filter type: ABEK1/ ABEK2.

Environmental exposure controls Do not allow into any sewer, on the ground or into any body of water.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical State	Liquid		
appearance	No information available	**Odor**	characteristic
color	clear	**odor threshold**	No information available

Property	**Values**	Remarks • Method
pH		No information available
Melting point/freezing point		No information available
Boiling point / boiling range	> 150 °C / 302 °F	
Flash Point	> 62 °C / > 144 °F	
Evaporation Rate		No information available
flammability (solid, gas)		No information available
Flammability Limit in Air		
Upper flammability limit:	no data available	
Lower flammability limit:	no data available	
vapor pressure	no data available < 1000.0 hPa	@ 20^0 C @ 50°C
Vapor Density		No information available
Specific gravity	no data available 0.800 g/cm3	@ 20^0 C @ 25°C
Water solubility	no data available	@ 20^0 C
solubility(ies)		No information available

Partition coefficient		No information available
Autoignition Temperature		No information available
decomposition temperature		No information available
Kinematic viscosity	no data available	@ 40 °C
Dynamic viscosity	no data available	@ 40 °C
Explosive properties	No information available	
Oxidizing properties	No information available	

9.2. Other information
No information available

SECTION 10: Stability and reactivity

10.1. Reactivity

no data available.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

None under normal processing.

10.4. Conditions to avoid

Heat, flames and sparks.

10.5. Incompatible materials

Incompatible with oxidizing agents. Acids. Bases.

10.6. Hazardous decomposition products

Thermal decomposition can lead to release of irritating and toxic gases and vapors. Carbon dioxide (CO2). Carbon monoxide. Nitrogen oxides (NOx).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute Toxicity

Product Information
Product does not present an acute toxicity hazard based on known or supplied information.

inhalation	no data available.
Eye Contact	no data available.
Skin contact	no data available.
Ingestion	no data available.
Unknown acute toxicity	0% of the mixture consists of ingredient(s) of unknown toxicity.
Skin corrosion/irritation	No information available.
Serious eye damage/eye irritation	No information available.
sensitization	No information available.

Germ Cell Mutagenicity	No information available.
carcinogenicity	No information available.
Reproductive Toxicity	No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Aspiration Hazard	No information available.

SECTION 12: Ecological information

12.1. Toxicity

Harmful to aquatic life
0% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Product Information

Acute (short-term) algae toxicity

EC50	No information available
EC0	No information available
IC50	No information available
IC0	No information available
ErC50	No information available
EbC50	No information available

Acute (short-term) fish toxicity

LC50	No information available
LC0	No information available
EC50	No information available
EC0	No information available

Acute (short-term) aquatic invertebrate toxicity

EC50	No information available
EC0	No information available

Chronic (long-term) algae toxicity

NOEC	No information available
LOEC	No information available

Chronic (long-term) fish toxicity

NOEC	No information available

LOEC No information available

Chronic (long-term) aquatic invertebrate toxicity

NOEC No information available

LOEC No information available

Component Information

Chemical name	Algae/aquatic plants	Fish	Crustacea
Hydrocarbons, C11-C14, N-Alkanes, Isoalkanes, Cyclics, < 2%Aromatics	IC50: > 100 mg/l	LC50: > 100 mg/l	EC50: > 100 mg/l
Phenol	0.0188 - 0.1044: 96 h Pseudokirchneriella subcapitata mg/L EC50 static 187 - 279: 72 h Desmodesmus subspicatus mg/L EC50 static 46.42: 96 h Pseudokirchneriella subcapitata mg/L EC50	11.9 - 25.3: 96 h Lepomis macrochirus mg/L LC50 flow-through 11.9 - 50.5: 96 h Pimephales promelas mg/L LC50 flow-through 20.5 - 25.6: 96 h Pimephales promelas mg/L LC50 static 23.4 - 36.6: 96 h Oryzias latipes mg/L LC50 static 33.9 - 43.3: 96 h Oryzias latipes mg/L LC50 flow-through 34.09 - 47.64: 96 h Poecilia reticulata mg/L LC50 static 4.23 - 7.49: 96 h Oncorhynchus mykiss mg/L LC50 semi-static 5.0 - 12.0: 96 h Oncorhynchus mykiss mg/L LC50 5.449 - 6.789: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 7.5 - 14: 96 h Oncorhynchus mykiss mg/L LC50 static 0.00175: 96 h Cyprinus carpio mg/L LC50 semi-static 11.5: 96 h Lepomis macrochirus mg/L LC50 semi-static 13.5: 96 h Lepomis macrochirus mg/L LC50 static 27.8: 96 h Brachydanio rerio mg/L LC50 31: 96 h Poecilia reticulata mg/L LC50 semi-static 32: 96 h Pimephales promelas mg/L LC50	10.2 - 15.5: 48 h Daphnia magna mg/L EC50 4.24 - 10.7: 48 h Daphnia magna mg/L EC50 Static
2,4-Di-Tert-Butyl-Phenol	11.2: 72 h Desmodesmus subspicatus mg/L EC50	4.71 - 5.62: 96 h Pimephales promelas mg/L LC50 flow-through 6.9: 96 h Cyprinus carpio mg/L LC50 static	3.4 - 4.5: 48 h Daphnia magna mg/L EC50 Static 3.9: 48 h Daphnia magna mg/L EC50

12.2. Persistence and degradability

No information available.

biodegradation

biodegradation No information available
BOD No information available
ThCO2 No information available
DOC No information available

Chemical name	biodegradation
Hydrocarbons, C11-C14, N-Alkanes, Isoalkanes, Cyclics, < 2%Aromatics 64742-47-8	Biodegradation : 69 % (672 h)

12.3. Bioaccumulative potential

No information available.

Chemical name	Partition coefficient

Phenol	1.47
2,4-Di-Tert-Butyl-Phenol	2.44

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

This substance is not considered to be persistent, bioaccumulating nor toxic (PBT). This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT). This substance is not considered to be very persistent nor very bioaccumulating (vPvB). This preparation contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

12.6. Other adverse effects

No information available

Endocrine Disruptor Information .

Chemical name	EU - Endocrine Disrupters Candidate List	EU - Endocrine Disruptors - Evaluated Substances	Endocrine disrupting potential
2,4-Di-Tert-Butyl-Phenol	Group II Chemical	-	-

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused products Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging Contaminated packages must be completely emptied and can be re-used following proper cleaning. Clean IBCs or drums at approved facility. Packing which cannot be properly cleaned must be disposed of. Handle contaminated packages in the same way as the substance itself.

OTHER INFORMATION Waste codes should be assigned by the user based on the application for which the product was used.

SECTION 14: Transport information

ADR

14.1 UN/ID no Not regulated
14.2 Proper Shipping Name Not regulated
14.3 Hazard Class Not regulated
14.4 Packing group Not regulated
14.5 Environmental Hazard Not applicable
14.6 Special Provisions None

RID

14.1 UN/ID no Not regulated
14.2 Proper Shipping Name Not regulated
14.3 Hazard Class Not regulated
14.4 Packing group Not regulated
14.5 Environmental Hazard Not applicable
14.6 Special Provisions None

IMDG

14.1 UN/ID no Not regulated
14.2 Proper Shipping Name Not regulated

14.3 Hazard Class	Not regulated
14.4 Packing group	Not regulated
14.5 Marine pollutant	Not applicable
14.6 Special Provisions	None
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	No information available

IATA

14.1 UN/ID no	Not regulated
14.2 Proper Shipping Name	Not regulated
14.3 Hazard Class	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental Hazard	Not applicable
14.6 Special Provisions	None

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

National Regulations

See section 8 for national exposure control parameters

Chemical name	French RG number
Hydrocarbons, C11-C14, N-Alkanes, Isoalkanes, Cyclics, < 2%Aromatics 64742-47-8	RG 84
Phenol 108-95-2	RG 14

Storage class 10

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

International Inventories

All of the components in the product are on the following Inventory lists TSCA (United States):, Canada (DSL/NDSL), Europe (EINECS/ELINCS/NLP), Australia (AICS), South Korea (KECL):, China (IECSC), ENCS (Japan):, Philippines (PICCS).

15.2. Chemical safety assessment

For this substance a chemical safety assessment has not been carried out. Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Full text of R-phrases referred to under sections 2 and 3
R66 - Repeated exposure may cause skin dryness or cracking
R65 - Harmful: may cause lung damage if swallowed
R34 - Causes burns
R50 - Very toxic to aquatic organisms
R43 - May cause sensitization by skin contact
R22 - Harmful if swallowed
R48/20/21/22 - Harmful: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed

Full text of H-Statements referred to under sections 2 and 3
H302 - Harmful if swallowed
H314 - Causes severe skin burns and eye damage
H317 - May cause an allergic skin reaction
H400 - Very toxic to aquatic life
H301 - Toxic if swallowed
H311 - Toxic in contact with skin
H331 - Toxic if inhaled
H341 - Suspected of causing genetic defects if inhaled
H304 - May be fatal if swallowed and enters airways
H411 - Toxic to aquatic life with long lasting effects
EUH066 - Repeated exposure may cause skin dryness or cracking

Revision note Not applicable.

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

End of Safety Data Sheet