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Safety data sheet according to 1907/2006/EC, Article 31

Printing date: 24.10.2016

Version: 2

Revision: 18.10.2016

SECTION 1: Identification of the substance/mixture and of the company/undertaking
· 1.1 Product identifier
· Trade name: <u>20118 PM Xeramic® LPG Additive 250ml</u>
 Article number: 20118 1.2 Relevant identified uses of the substance or mixture and uses advised against Sector of Use SU21 Consumer uses: Private households / general public / consumers SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen) SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites Process category PROC7 Industrial spraying PROC11 Non industrial spraying Application of the substance / the mixture LPG Additive
• 1.3 Details of the supplier of the safety data sheet Manufacturer/Supplier:
Petromark Automotive Chemicals Rooswijkweg 316, 1951 ME Velsen-Noord, The Netherlands www.petromark.eu info@petromark.eu Tel. +31 (0)251 211397
• Further information obtainable from: 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 • Classification according to Regulation (EC) No 1272/2008
GHS02 flame
Flam. Liq. 3 H226 Flammable liquid and vapour.
GHS08 health hazard
Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.
GHS07
STOT SE 3 H336 May cause drowsiness or dizziness.
 • 2.2 Label elements • Labelling according to Regulation (EC) No 1272/2008 The product is classified and labelled according to the CLP regulation. (Contd. on page 2) Generation Generation

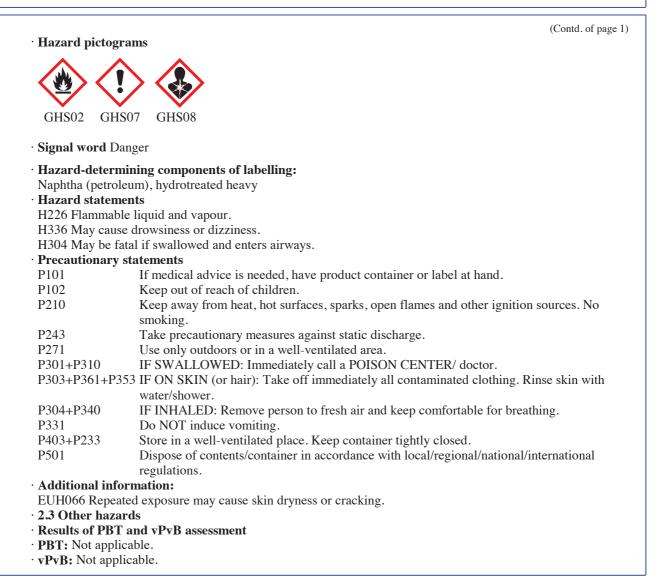


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SECTION 3: Composition/information on ingredients

- · 3.2 Mixtures
- · Description:

· Dangerous component	ts:	
EC number: 919-857-5	Naphtha (petroleum), hydrotreated heavy	75-<100%
	Flam. Liq. 3, H226; Asp. Tox. 1, H304; STOT SE 3, H336	
Polymer	Phenol ,dimethylamino)methyl, ployisobutylele derivs.	2.5-<10%
	Aquatic Chronic 3, H412	
· Additional informatio	n:	

SECTION 4: First aid measures

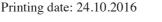
· 4.1 Description of first aid measures

- After inhalation: Supply fresh air; consult doctor in case of complaints.
- · After skin contact: Generally the product does not irritate the skin.
- After eye contact: Rinse opened eye for several minutes under running water.
- After swallowing: Do not induce vomiting; call for medical help immediately.

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- $^{\cdot}$ 4.2 Most important symptoms and effects, both acute and delayed
- No further relevant information available.
- \cdot 4.3 Indication of any immediate medical attention and special treatment needed
- No further relevant information available.

SECTION 5: Firefighting measures

- · 5.1 Extinguishing media
- · Suitable extinguishing agents:
- Water haze
- Fire-extinguishing powder
- Carbon dioxide
- Alcohol resistant foam
- For safety reasons unsuitable extinguishing agents: Water with full jet
- 5.2 Special hazards arising from the substance or mixture No further relevant information available.
- 5.3 Advice for firefighters
- · Protective equipment: Mount respiratory protective device.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures Wear protective equipment. Keep unprotected persons away.
- · 6.2 Environmental precautions:

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

• 6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

Do not flush with water or aqueous cleansing agents

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

- · 7.1 Precautions for safe handling
- Ensure good ventilation/exhaustion at the workplace.
- Prevent formation of aerosols.
- **Information about fire and explosion protection:** Keep ignition sources away - Do not smoke. Protect against electrostatic charges.
- · 7.2 Conditions for safe storage, including any incompatibilities
- · Storage:
- · Requirements to be met by storerooms and receptacles: No special requirements.
- · Information about storage in one common storage facility:
- Observe official regulations on storing packagings with pressurised containers.
- \cdot Further information about storage conditions: Keep receptacle tightly sealed.
- \cdot 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

• Additional information about design of technical facilities: No further data; see item 7.

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· 8.1 Control parameters

· Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

· DNELs				
Naphtha (petroleum), hydrotreated heavy				
Oral	DNEL Long term-systemic	125 mg/kg bw/day (Consumer)		
Dermal	DNEL Long term-systemic	125 mg/kg bw/day (Consumer)		
		208 mg/kg bw/day (Worker)		
Inhalative	DNEL Long term-systemic	900 mg/m3 (Consumer)		
		871 mg/m3 (Worker)		
A 3 30/0		11		

• Additional information: The lists valid during the making were used as basis.

- · 8.2 Exposure controls
- · Personal protective equipment:
- · General protective and hygienic measures: Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work. Do not inhale gases / fumes / aerosols.

· Respiratory protection:

Use suitable respiratory protective device in case of insufficient ventilation.

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Filter A/P2

· Protection of hands:

Wear gloves for the protection against chemicals according to EN 374



Protective gloves

Solvent resistant gloves

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Nitrile rubber, NBR

Recommended thickness of the material: ≥ 0.5 mm

· Penetration time of glove material

For continuous contact we recommend gloves with breakthrough time of at least 240 minutes, with the preference given to a breakthrough time greater than 480 minutes. For short-term or splash guard we recommend the same. We are aware that suitable gloves that offer this level of protection may not be available. In that case, a shorter breakthrough time are acceptable as long as the procedures governing maintenance and timely replacement are followed. The thickness of the gloves is not a good measure of the resistance of the gloves against a chemical substance, because this depends on the exact composition of the material from which the gloves are made.

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:

Safety glasses



Tightly sealed goggles

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• Body protection: Use protective suit. (EN-13034/6)

SECTION 9: Physical and ch	nemical properties	
· 9.1 Information on basic physical a	nd chemical properties	
· General Information		
· Appearance:		
Form:	Fluid	
Colour:	According to product specification	
· Odour:	Characteristic	
· Odour threshold:	Not determined.	
· pH-value:	Not determined.	
· Change in condition		
Melting point/Melting range:	-25 °C	
Boiling point/Boiling range:	162 °C	
· Flash point:	40 °C	
· Self-igniting:	Product is not selfigniting.	
· Danger of explosion:	Product is not explosive. However, formation of explosive air/	
	vapour mixtures are possible.	
· Explosion limits:		
Lower:	0.6 Vol %	
Upper:	7 Vol %	
· Vapour pressure at 20 °C:	1 hPa	
· Density at 20 °C:	0.79 g/cm ³	
· Relative density	Not determined.	
· Vapour density	Not determined.	
· Evaporation rate	Not determined.	
· Solubility in / Miscibility with		
water at 20 °C:	0.04 g/l	
· Partition coefficient (n-octanol/water): Not determined.		
· Viscosity:		
Dynamic:	Not determined.	
Kinematic:	Not determined.	
· Solvent content:		
Organic solvents:	91.1 %	
Solids content:	0.4 %	
9.2 Other information	No further relevant information available.	

SECTION 10: Stability and reactivity

• 10.1 Reactivity No further relevant information available.

· 10.2 Chemical stability

• Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

• 10.3 Possibility of hazardous reactions No dangerous reactions known.

 \cdot 10.4 Conditions to avoid No further relevant information available.

- 10.5 Incompatible materials: No further relevant information available.
- · 10.6 Hazardous decomposition products: No dangerous decomposition products known.

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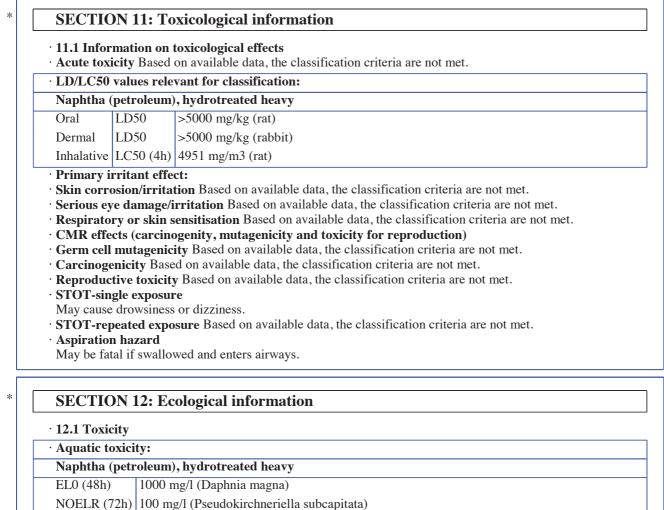
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- EL50 (72h) >1000 mg/l (Pseudokirchneriella subcapitata)
- LL50 (96h) >1000 mg/l (Oncorhynchus mykiss (96h))
- 12.2 Persistence and degradability No further relevant information available.
- 12.3 Bioaccumulative potential No further relevant information available.
- 12.4 Mobility in soil No further relevant information available.
- · Additional ecological information:
- · General notes: Not known to be hazardous to water.
- · 12.5 Results of PBT and vPvB assessment
- **PBT:** Not applicable.
- **vPvB**: Not applicable.
- 12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

- · 13.1 Waste treatment methods
- · Recommendation
- Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- · Uncleaned packaging:
- · Recommendation: Disposal must be made according to official regulations.

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14.1 TINI NI	
14.1 UN-Number ADR, ADN, IMDG, IATA	UN3295
14.2 UN proper shipping name ADR, ADN IMDG, IATA	UN3295 HYDROCARBONS, LIQUID, N.O.S. HYDROCARBONS, LIQUID, N.O.S.
14.3 Transport hazard class(es)	
ADR, IMDG	
Class	3 Flammable liquids.
Label	3
ADN ADN/R Class:	3 Flammable liquids.
IATA	
Label	3
14.4 Packing group ADR	III
14.5 Environmental hazards: Marine pollutant:	No
14.6 Special precautions for user	Warning: Flammable liquids.
Danger code (Kemler): EMS Number:	30 F-E,S-D
14.7 Transport in bulk according to Ann Marpol and the IBC Code	ex II of Not applicable.
Transport/Additional information:	
ADR Limited quantities (LQ)	5L
Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 1000 ml

SECTION 15: Regulatory information

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

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- \cdot Named dangerous substances ANNEX I None of the ingredients is listed.
- · Seveso category P5c FLAMMABLE LIQUIDS
- · Qualifying quantity (tonnes) for the application of lower-tier requirements 5.000 t
- Qualifying quantity (tonnes) for the application of upper-tier requirements 50.000 t
- REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

[·] Directive 2012/18/EU

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· National regulations:

Class Share in %

NK 75-<100

· VOC-CH 91.13 %

• VOC-EU 719.9 g/l

· Danish MAL Code 5-3

· 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Relevant phrases

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H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H336 May cause drowsiness or dizziness.

H412 Harmful to aquatic life with long lasting effects.

· Department issuing SDS: Research & Development

• **Contact:** info@petromark.eu

• Abbreviations and acronyms: ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International

Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) MAL-Code: Måleteknisk Arbejdshygiejnisk Luftbehov (Regulation for the labeling concerning inhalation hazards, Denmark) DNEL: Derived No-Effect Level (REACH) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative Flam. Liq. 3: Flammable liquids - Category 3 STOT SE 3: Specific target organ toxicity (single exposure) - Category 3 Asp. Tox. 1: Aspiration hazard - Category 1 Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard - Category 3



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