



## Safety data sheet according to 1907/2006/EC, Annex II

Printing date 08.06.2016

Version number 1

Revision: 08.06.2016

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

- **1.1 Product identifier**
- **Trade name: 20153 PM XERAMIC Instant Gasket Grey**
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture** Sealant
  
- **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**



GHS08 health hazard

Carc. 2      H351 Suspected of causing cancer.



GHS07

Eye Irrit. 2      H319 Causes serious eye irritation.

Skin Sens. 1      H317 May cause an allergic skin reaction.

Aerosol 3      H229 Pressurised container: May burst if heated.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**  
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



GHS07 GHS08

- **Signal word** Warning

(Contd. on page 2)



## Safety data sheet according to 1907/2006/EC, Annex II

Printing date 08.06.2016

Version number 1

Revision: 08.06.2016

**Trade name: 20153 PM XERAMIC Instant Gasket Grey**

(Contd. of page 1)

**· Hazard-determining components of labelling:**

2-butanone oxime

**· Hazard statements**

H229 Pressurised container: May burst if heated.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H351 Suspected of causing cancer.

**· Precautionary statements**

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P264 Wash thoroughly after handling.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P251 Do not pierce or burn, even after use.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P202 Do not handle until all safety precautions have been read and understood.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**· 2.3 Other hazards****· Results of PBT and vPvB assessment****· PBT:** Not applicable.**· vPvB:** Not applicable.**SECTION 3: Composition/information on ingredients****· 3.2 Chemical characterisation: Mixtures****· Description:** Mixture of substances listed below with nonhazardous additions.**· Dangerous components:**

CAS: 811-97-2 EINECS: 212-377-0 Reg.nr.: 01-2119459374-33-xxxx	1,1,1,2-tetrafluoroethane substance with a Community workplace exposure limit	1 - 2.5%
CAS: 96-29-7 EINECS: 202-496-6 Index number: 616-014-00-0 Reg.nr.: 01-2119539477-28-xxxx	2-butanone oxime ☠ Carc. 2, H351; ☠ Eye Dam. 1, H318; ☠ Acute Tox. 4, H312; Skin Sens. 1, H317	1 - 2.5%

**· Additional information:** For the wording of the listed hazard phrases refer to section 16.**SECTION 4: First aid measures****· 4.1 Description of first aid measures****· General information:** Immediately remove any clothing soiled by the product.**· After inhalation:**

Supply fresh air and to be sure call for a doctor.

(Contd. on page 3)



## Safety data sheet according to 1907/2006/EC, Annex II

Printing date 08.06.2016

Version number 1

Revision: 08.06.2016

**Trade name: 20153 PM XERAMIC Instant Gasket Grey**

(Contd. of page 2)

- In case of unconsciousness place patient stably in side position for transportation. Keep patient warm.  
Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** If skin irritation continues, consult a doctor.
  - **After eye contact:**  
Rinse opened eye for several minutes under running water. Remove contact lenses, if present and easy to do.  
Continue rinsing. Then consult a doctor.
  - **After swallowing:**  
Seek medical treatment.  
Rinse out mouth and then drink plenty of water if person is conscious.
  - **4.2 Most important symptoms and effects, both acute and delayed**  
Dermatitis, skin discoloration and drying of the skin. Allergic contact eczema.  
Irritation of the nose and throat. Effect on the central nervous system.
  - **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:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray.  
Foam
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **5.2 Special hazards arising from the substance or mixture**  
Nitrogen oxides (NO<sub>x</sub>)  
In case of fire, the following can be released:  
Carbon monoxide (CO)  
Danger of bursting by heating.
- **5.3 Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.
- **Additional information**  
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.  
Cool endangered receptacles with water spray and remove it out of emergency area if possible.

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures** Wear protective clothing.
- **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:**  
Pick up mechanically.  
Dispose of the material collected according to regulations.  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.
- **6.4 Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.

(Contd. on page 4)



## Safety data sheet according to 1907/2006/EC, Annex II

Printing date 08.06.2016

Version number 1

Revision: 08.06.2016

**Trade name: 20153 PM XERAMIC Instant Gasket Grey**

See Section 13 for disposal information.

(Contd. of page 3)

### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

Keep away from heat and direct sunlight.

Ensure good ventilation/exhaustion at the workplace. Open and handle receptacle with care.

#### Information about fire - and explosion protection:

Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50 °C, i.e. electric lights. Do not pierce or burn, even after use.

#### 7.2 Conditions for safe storage, including any incompatibilities

##### Storage:

##### Requirements to be met by storerooms and receptacles:

Store only in the original receptacle.

Store in a cool location under dry conditions in well sealed receptacles

Observe official regulations on storing packagings with pressurised containers.

Do not store in gangways or stairways.

##### Information about storage in one common storage facility:

Do not store together with oxidizing and selfigniting materials.

##### Further information about storage conditions:

Store in a cool place. Heat will increase pressure and may lead to the receptacle bursting.

Do not store together with oxidizing and self-igniting material.

### SECTION 8: Exposure controls/personal protection

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

#### 8.1 Control parameters

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

###### 811-97-2 1,1,1,2-tetrafluoroethane

WEL (Great Britain) Long-term value: 4240 mg/m<sup>3</sup>, 1000 ppm

##### DNELs

###### 811-97-2 1,1,1,2-tetrafluoroethane

Inhalative	wrks, long, system	13936 mg/m <sup>3</sup> (mouse)
	cstm, long, system	2476 mg/m <sup>3</sup> (mouse)

###### 96-29-7 2-butanone oxime

Dermal	wrks, long, system	1.3 mg/kg/d (mouse)
	cstm, long, system	0.78 mg/kg/d (mouse)
	wrks, short, system	2.5 mg/kg bw/d (mouse)
	cstm, short, system	1.5 mg/kg bw/d (mouse)
Inhalative	wrks, long, system	9.0 mg/m <sup>3</sup> (mouse)
	cstm, long, system	2.7 mg/m <sup>3</sup> (mouse)
	wrks, long, local	3.33 mg/m <sup>3</sup> (mouse)
	cstm, long, local	2.0 mg/m <sup>3</sup> (mouse)

(Contd. on page 5)



## Safety data sheet according to 1907/2006/EC, Annex II

Printing date 08.06.2016

Version number 1

Revision: 08.06.2016

**Trade name: 20153 PM XERAMIC Instant Gasket Grey**

(Contd. of page 4)

· **PNECs****811-97-2 1,1,1,2-tetrafluoroethane**

Oral	fresh water	0.1 mg/l (daphnia)
	sediment (fresh water)	0.75 mg/(kg dw) (daphnia)
	STP	73 mg/l (daphnia)
	marine water	0.01 mg/l (daphnia)
	intermittent release	1.0 mg/l (daphnia)

**96-29-7 2-butanone oxime**

Oral	fresh water	0.256 mg/l (daphnia)
	STP	177 mg/l (daphnia)
	intermittent release	0.118 mg/l (daphnia)

· **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.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

· **Respiratory protection:** Not necessary if room is well-ventilated.· **Protection of hands:**

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

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

· **Material of gloves**Recommended thickness of the material:  $\geq 0.5$  mm

Nitrile rubber, NBR

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.

· **Penetration time of glove material**

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

· **Not suitable are gloves made of the following materials:**

Natural rubber, NR

PVC gloves

· **Eye protection:** Goggles recommended during refilling· **Body protection:** Protective work clothing

-GB-

(Contd. on page 6)



## Safety data sheet according to 1907/2006/EC, Annex II

Printing date 08.06.2016

Version number 1

Revision: 08.06.2016

Trade name: 20153 PM XERAMIC Instant Gasket Grey

(Contd. of page 5)

### SECTION 9: Physical and chemical properties

#### · 9.1 Information on basic physical and chemical properties

##### · General Information

##### · Appearance:

· Form:	paste-like
· Colour:	Different according to colouring
· Odour:	Characteristic
· Odour threshold:	Not determined.

· pH-value: Not determined.

##### · Change in condition

· Melting point/Melting range:	Undetermined.
· Boiling point/Boiling range:	Not applicable, as aerosol.

· Flash point: >100 °C

· Flammability (solid, gaseous): Not applicable.

· Ignition temperature: 200 °C

· Decomposition temperature: Not determined.

· Self-igniting: Product is not selfigniting.

· Danger of explosion: Product does not present an explosion hazard.

· Vapour pressure: Not applicable.

· Density at 20 °C:	1.18 g/cm <sup>3</sup>
· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not applicable.

· Solubility in / Miscibility with water: Not miscible or difficult to mix.

· Partition coefficient (n-octanol/water): Not determined.

##### · Viscosity:

· Kinematic:	Not determined.
· Organic solvents:	0.0 %
· VOC (EC)	0.19 %

· Solids content: 99.9 %

· 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 and stored according to specifications.

· 10.3 Possibility of hazardous reactions: Danger of bursting.

##### · 10.4 Conditions to avoid

No further relevant information available.

(Contd. on page 7)



## Safety data sheet according to 1907/2006/EC, Annex II

Printing date 08.06.2016

Version number 1

Revision: 08.06.2016

**Trade name: 20153 PM XERAMIC Instant Gasket Grey**

(Contd. of page 6)

Heating, open flame, ignition sources.

- **10.6 Hazardous decomposition products:** No decomposition if used according to specifications.

### SECTION 11: Toxicological information

#### · 11.1 Information on toxicological effects

- **Acute toxicity** Based on available data, the classification criteria are not met.

#### · LD/LC50 values relevant for classification:

##### 96-29-7 2-butanone oxime

Oral	LD50	3700 mg/kg (rat)
Dermal	LD50	200-2000 mg/kg (rat)
Inhalative	LC50/4 h	20 mg/l (rat)

#### · Primary irritant effect:

- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.

#### · Serious eye damage/irritation

Causes serious eye irritation.

#### · Respiratory or skin sensitisation

May cause an allergic skin reaction.

#### · CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.

#### · Carcinogenicity

Suspected of causing cancer.

- **Reproductive toxicity** Based on available data, the classification criteria are not met.

- **STOT-single exposure** Based on available data, the classification criteria are not met.

- **STOT-repeated exposure** Based on available data, the classification criteria are not met.

- **Aspiration hazard** Based on available data, the classification criteria are not met.

### SECTION 12: Ecological information

- **12.1 Toxicity** No further relevant informations available.

- **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:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow product to reach ground water, water course or sewage system, even in small quantities.

#### · 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.

(Contd. on page 8)

**Safety data sheet**  
according to 1907/2006/EC, Annex II

Printing date 08.06.2016

Version number 1

Revision: 08.06.2016

**Trade name: 20153 PM XERAMIC Instant Gasket Grey**

(Contd. of page 7)

**· European waste catalogue**

08 00 00	WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
08 04 00	wastes from MFSU of adhesives and sealants (including waterproofing products)
08 04 09*	waste adhesives and sealants containing organic solvents or other hazardous substances
15 00 00	WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED
15 01 00	packaging (including separately collected municipal packaging waste)
15 01 04	metallic packaging
16 00 00	WASTES NOT OTHERWISE SPECIFIED IN THE LIST
16 05 00	gases in pressure containers and discarded chemicals
16 05 04*	gases in pressure containers (including halons) containing hazardous substances

**· Uncleaned packaging:**

**· Recommendation:** Disposal must be made according to official regulations.

**SECTION 14: Transport information**

**· 14.1 UN-Number**

**· ADR, IMDG, IATA** UN1950

**· 14.2 UN proper shipping name**

**· ADR** 1950 AEROSOLS  
**· IMDG** AEROSOLS  
**· IATA** AEROSOLS, non-flammable

**· 14.3 Transport hazard class(es)**

**· ADR**



**· Class** 2 5A Gases.  
**· Label** 2.2

**· IMDG, IATA**



**· Class** 2.2  
**· Label** 2.2

**· 14.4 Packing group**

**· ADR, IMDG, IATA** Void

**· 14.5 Environmental hazards:**

**· Marine pollutant:** No

**· 14.6 Special precautions for user**

Warning: Gases.

(Contd. on page 9)





## Safety data sheet according to 1907/2006/EC, Annex II

Printing date 08.06.2016

Version number 1

Revision: 08.06.2016

**Trade name: 20153 PM XERAMIC Instant Gasket Grey**

(Contd. of page 8)

· <b>Danger code (Kemler):</b>	-
· <b>EMS Number:</b>	F-D,S-U
· <b>Stowage Code</b>	SW1 Protected from sources of heat. SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.
· <b>Segregation Code</b>	SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.
· <b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	
· <b>ADR</b>	
· <b>Limited quantities (LQ)</b>	1L
· <b>Excepted quantities (EQ)</b>	Code: E0 Not permitted as Excepted Quantity
· <b>Transport category</b>	3
· <b>Tunnel restriction code</b>	E (Dangerous goods in "LQ" with more than 8 tons gross mass of LQ falls under the tunnel restriction code "E")
· <b>IMDG</b>	
· <b>Limited quantities (LQ)</b>	1L
· <b>Excepted quantities (EQ)</b>	Code: E0 Not permitted as Excepted Quantity
· <b>UN "Model Regulation":</b>	UN 1950 AEROSOLS, 2.2

### SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 20
- **National regulations:**
- **Information about limitation of use:**  
Employment restrictions concerning women of child-bearing age must be observed.  
Employment restrictions concerning juveniles must be observed.  
Employment restrictions concerning pregnant and lactating women must be observed.
- **Technical instructions (air):**

Class	Share in %
I	1 - 2,5

(Contd. on page 10)

GB



## Safety data sheet according to 1907/2006/EC, Annex II

Printing date 08.06.2016

Version number 1

Revision: 08.06.2016

**Trade name: 20153 PM XERAMIC Instant Gasket Grey**

(Contd. of page 9)

- **Waterhazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.
- **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**

- H312 Harmful in contact with skin.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H351 Suspected of causing cancer.

- **Abbreviations and acronyms:**

- RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
- ICAO: International Civil Aviation Organisation
- ctsm, long, system: general population, long-term exposure, systematic effects
- cstm, short, system: general population, acute / short-term exposure, systematic effects
- wrks, long, system: workers, long-term exposure - systemic effects
- wrks, short, system: workers, acute / short-term exposure - systemic effects
- cstm, long, local: general population, long-term exposure, local effects
- STP: sewage treatment plant
- 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)
- VOC: Volatile Organic Compounds (USA, EU)
- DNEL: Derived No-Effect Level (REACH)
- PNEC: Predicted No-Effect Concentration (REACH)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative
- Aerosol 3: Aerosols – Category 3
- Acute Tox. 4: Acute toxicity – Category 4
- Eye Dam. 1: Serious eye damage/eye irritation – Category 1
- Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
- Skin Sens. 1: Skin sensitisation – Category 1
- Carc. 2: Carcinogenicity – Category 2

- **\* Data compared to the previous version altered.**