

# Safety Data Sheet

## BLACK SILICONE GASKET ML 200



Safety Data Sheet dated 4/7/2019, version 6

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

#### 1.1. Product identifier

Mixture identification:

Trade name: BLACK SILICONE GASKET ML 200  
Trade code: 0099

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

Recommended use:

Liquid seal

#### 1.3. Details of the supplier of the safety data sheet

Supplier:

Arexons S.p.A.  
via Antica di Cassano, 23, 20063  
Cernusco sul Naviglio (MI), Italy

Arexons S.p.A.  
Tel. +39 (0)2/924361 - Fax +39 (0)2/92436306

Competent person responsible for the safety data sheet:

arexons@arexons.it

#### 1.4. Emergency telephone number

Arexons S.p.A.

Tel. +39 (0)2/924361 - Fax +39 (0)2/92436306

Centro Antiveleni di Pavia IRCCS- Fondazione Maugeri tel. +39 (0)382 24444 (h24; it, en)

In England and Wales: NHS 111 - dial 111

In Scotland: NHS 24 - dial 111

In Ireland: Beaumont Hospital - National Poisons Information Centre 01 809 2166 (7days, 8:00 - 22:00)

In South Africa: Poison Information Helpline 0861 555 777

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP):

Warning, Aerosols 3, Pressurized container: may burst if heated.

Adverse physicochemical, human health and environmental effects:

No other hazards

#### 2.2. Label elements

Hazard pictograms:

None

Warning

Hazard statements:

H229 Pressurized container: may burst if heated.

Precautionary statements:

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

P102 Keep out of reach of children.

P103 Read label before use.

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.

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

Special Provisions:

None

Special provisions according to Annex XVII of REACH and subsequent amendments:

None

## Safety Data Sheet

### BLACK SILICONE GASKET ML 200



#### 2.3. Other hazards

PBT Substances:

>= 0.5% - < 1% Dodecamethylcyclohexasiloxane - REACH No.: 01-2119517435-42, CAS: 540-97-6, EC: 208-762-8

vPvB Substances:

>= 0.5% - < 1% Dodecamethylcyclohexasiloxane - REACH No.: 01-2119517435-42, CAS: 540-97-6, EC: 208-762-8

Other Hazards:

No other hazards

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### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

N.A.

#### 3.2. Mixtures

Hazardous components within the meaning of the CLP regulation and related classification:

>= 1% - < 2% Triacetato di metilsilantriile

REACH No.: 01-2119962266-32, CAS: 4253-34-3, EC: 224-221-9

⚠ 3.2/1B Skin Corr. 1B H314

⚠ 3.1/4/Oral Acute Tox. 4 H302

>= 1% - < 2% Propyltriacetoxysilan

REACH No.: 01-2119966899-07, CAS: 17865-07-5, EC: 241-816-9

⚠ 3.2/1B Skin Corr. 1B H314

>= 0.5% - < 1% Dodecamethylcyclohexasiloxane

REACH No.: 01-2119517435-42, CAS: 540-97-6, EC: 208-762-8

The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).

SVHC Substances:

>= 0.5% - < 1% Dodecamethylcyclohexasiloxane

REACH No.: 01-2119517435-42, CAS: 540-97-6, EC: 208-762-8

Substance PBT and vPvB and SVHC

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### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

In case of skin contact:

Wash with plenty of water and soap.

In case of eyes contact:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

In case of Ingestion:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

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

None

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

Treatment:

None

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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Appropriate Extinguishing Media:

## Safety Data Sheet

### BLACK SILICONE GASKET ML 200



- To carbon dioxide.
- To dust.
- Water spray.
- Foam for alcohols
- Not Recommended Extinguishing Media:
  - Do not use direct water jets.
- 5.2. Special hazards arising from the substance or mixture
  - Do not inhale explosion and combustion gases.
  - Burning produces heavy smoke.
- 5.3. Advice for firefighters
  - Use suitable breathing apparatus .
  - Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
  - Move undamaged containers from immediate hazard area if it can be done safely.

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#### SECTION 6: Accidental release measures

- 6.1. Personal precautions, protective equipment and emergency procedures
  - Wear personal protection equipment.
  - Remove persons to safety.
  - See protective measures under point 7 and 8.
- 6.2. Environmental precautions
  - Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.
  - Retain contaminated washing water and dispose it.
  - In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.
  - Suitable material for taking up: absorbing material, organic, sand
- 6.3. Methods and material for containment and cleaning up
  - Wash with plenty of water.
- 6.4. Reference to other sections
  - See also section 8 and 13

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#### SECTION 7: Handling and storage

- 7.1. Precautions for safe handling
  - Avoid contact with skin and eyes, inhalation of vapours and mists.
  - Don't use empty container before they have been cleaned.
  - Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.
  - See also section 8 for recommended protective equipment.
  - Advice on general occupational hygiene:
    - Contaminated clothing should be changed before entering eating areas.
    - Do not eat or drink while working.
- 7.2. Conditions for safe storage, including any incompatibilities
  - Store at below 50 °C. Keep away from unguarded flame and heat sources. Avoid direct exposure to sunlight.
  - Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.
  - Keep away from food, drink and feed.
  - None in particular.
  - Instructions as regards storage premises:
    - Adequately ventilated premises.
- 7.3. Specific end use(s)
  - None in particular

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#### SECTION 8: Exposure controls/personal protection

- 8.1. Control parameters
  - No occupational exposure limit available

# Safety Data Sheet

## BLACK SILICONE GASKET ML 200



### DNEL Exposure Limit Values

Triacetato di metilsilantriile - CAS: 4253-34-3

Consumer: 1 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

Consumer: 1 mg/kg - Exposure: Human Oral - Frequency: Short Term, systemic effects

Worker Professional: 14.5 mg/kg - Consumer: 7.2 mg/kg - Exposure: Human Dermal -

Frequency: Long Term, systemic effects

Worker Professional: 25 mg/m<sup>3</sup> - Consumer: 6.3 mg/m<sup>3</sup> - Exposure: Human Inhalation -

Frequency: Long Term, systemic effects

Worker Professional: 31 mg/m<sup>3</sup> - Consumer: 5.1 mg/m<sup>3</sup> - Exposure: Human Inhalation -

Frequency: Short Term, local effects

Propyltriacetoxysilan - CAS: 17865-07-5

Consumer: 6.05 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

Worker Professional: 12.11 mg/kg - Consumer: 6.05 mg/kg - Exposure: Human Dermal -

Frequency: Long Term, systemic effects

Worker Professional: 85.39 mg/m<sup>3</sup> - Consumer: 21.06 mg/m<sup>3</sup> - Exposure: Human

Inhalation - Frequency: Long Term, systemic effects

### PNEC Exposure Limit Values

Triacetato di metilsilantriile - CAS: 4253-34-3

Target: Fresh Water - Value: 1 mg/l

Target: Marine water - Value: 0.1 mg/l

Target: 09 - Value: 10 mg/l

Target: Freshwater sediments - Value: 3.4 mg/kg

Target: Marine water sediments - Value: 0.34 mg/kg

Propyltriacetoxysilan - CAS: 17865-07-5

Target: Fresh Water - Value: 0.02441 mg/l

Target: Freshwater sediments - Value: 0.01457 mg/kg

Target: 09 - Value: 10.55 mg/l

Target: Marine water - Value: 0.002441 mg/l

Target: Freshwater sediments - Value: 0.001457 mg/kg

### 8.2. Exposure controls

Eye protection:

Eye glasses with side protection.

Compliant with EN 166

Protection for skin:

protective clothing

Protection for hands:

Nitrile.

Compliant with EN 374.

Respiratory protection:

Filter for organic vapours. Type A. (EN14387)

Thermal Hazards:

None

Environmental exposure controls:

None

Appropriate engineering controls:

None

## SECTION 9: Physical and chemical properties

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

Properties	Value	Method:	Notes:
Appearance and colour:	Liquid da cartuccia autoestrudente	--	--

**Safety Data Sheet**  
**BLACK SILICONE GASKET ML 200**



Odour:	Characteristic	--	--
Odour threshold:	N.A.	--	--
pH:	N.A.	--	--
Melting point / freezing point:	N.A.	--	--
Initial boiling point and boiling range:	N.A.	--	--
Flash point:	N.A.	--	--
Evaporation rate:	N.A.	--	--
Solid/gas flammability:	N.A.	--	--
Upper/lower flammability or explosive limits:	N.A.	--	--
Vapour pressure:	N.A.	--	--
Vapour density:	N.A.	--	--
Relative density:	1,02 g/cm3	--	--
Solubility in water:	Insoluble	--	--
Solubility in oil:	N.A.	--	--
Partition coefficient (n-octanol/water):	N.A.	--	--
Auto-ignition temperature:	N.A.	--	--
Decomposition temperature:	N.A.	--	--
Viscosity:	N.A.	--	--
Explosive properties:	N.A.	--	--
Oxidizing properties:	N.A.	--	--

9.2. Other information

<b>Properties</b>	<b>Value</b>	<b>Method:</b>	<b>Notes:</b>
Miscibility:	N.A.	--	--
Fat Solubility:	N.A.	--	--
Conductivity:	N.A.	--	--
Substance Groups relevant properties	N.A.	--	--

# Safety Data Sheet

## BLACK SILICONE GASKET ML 200



NA=not applicable

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### SECTION 10: Stability and reactivity

- 10.1. Reactivity  
Stable under normal conditions
- 10.2. Chemical stability  
Stable at normal ambient temperatures and when used as recommended.
- 10.3. Possibility of hazardous reactions  
None
- 10.4. Conditions to avoid  
Stable under normal conditions.
- 10.5. Incompatible materials  
None in particular.
- 10.6. Hazardous decomposition products  
None.

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### SECTION 11: Toxicological information

- 11.1. Information on toxicological effects  
Toxicological information of the product:  
BLACK SILICONE GASKET ML 200

- a) acute toxicity

Based on available data, the classification criteria are not met

- b) skin corrosion/irritation

Test: Skin Irritant - Route: Skin - Species: Rabbit Negative - Notes: Prodotto testato secondo 92/69/EC - Based on available data, the classification criteria are not met

- c) serious eye damage/irritation

Test: Eye Irritant - Route: EYE - Species: Rabbit Negative - Notes: Prodotto testato secondo 92/69/EC - Based on available data, the classification criteria are not met

- d) respiratory or skin sensitisation

Based on available data, the classification criteria are not met

- e) germ cell mutagenicity

Based on available data, the classification criteria are not met

- f) carcinogenicity

Based on available data, the classification criteria are not met

- g) reproductive toxicity

Based on available data, the classification criteria are not met

- h) STOT-single exposure

Based on available data, the classification criteria are not met

- i) STOT-repeated exposure

Based on available data, the classification criteria are not met

- j) aspiration hazard

Based on available data, the classification criteria are not met

Toxicological information of the main substances found in the product:

Triacetato di metilsilantriile - CAS: 4253-34-3

- a) acute toxicity:

Test: Respiratory Tract Corrosive - Route: Oral - Species: Rat 1600 mg/kg

# Safety Data Sheet

## BLACK SILICONE GASKET ML 200



### SECTION 12: Ecological information

- 12.1. Toxicity  
Adopt good working practices, so that the product is not released into the environment.  
N.A.
- 12.2. Persistence and degradability  
None  
N.A.
- 12.3. Bioaccumulative potential  
N.A.
- 12.4. Mobility in soil  
N.A.
- 12.5. Results of PBT and vPvB assessment  
PBT Substances:  
     $\geq 0.5\%$  -  $< 1\%$  Dodecamethylcyclohexasiloxane - CAS: 540-97-6  
vPvB Substances:  
     $\geq 0.5\%$  -  $< 1\%$  Dodecamethylcyclohexasiloxane - CAS: 540-97-6
- 12.6. Other adverse effects  
None

### SECTION 13: Disposal considerations

- 13.1. Waste treatment methods  
Recover if possible. In so doing, comply with the local and national regulations currently in force.  
Additional disposal information:  
CER 08 04 10 waste adhesives and sealants other than those indicated in 08 04 09  
16 05 04\* gases in pressure containers (including halons) containing certain dangerous substances.

### SECTION 14: Transport information



- 14.1. UN number  
ADR-UN Number: 1950  
IATA-UN Number: 1950  
IMDG-UN Number: 1950
- 14.2. UN proper shipping name  
ADR-Shipping Name: AEROSOLS  
ADR-Shipping Name: AEROSOLS  
IATA-Shipping Name: AEROSOLS  
IMDG-Shipping Name: AEROSOLS
- 14.3. Transport hazard class(es)  
ADR-Class: 2  
ADR - Hazard identification number: -  
IATA-Class: 2  
IATA-Label: -  
IMDG-Class: 2  
Sea (IMO): 2
- 14.4. Packing group  
ADR-Packing Group: -  
IATA-Packing group: -  
IMDG-Packing group: -
- 14.5. Environmental hazards

## Safety Data Sheet

### BLACK SILICONE GASKET ML 200



- ADR-Environmental Pollutant: No  
IMDG-Marine pollutant: No
- 14.6. Special precautions for user  
ADR-Subsidiary hazards: See SP63  
ADR-S.P.: 190 327 344 625  
ADR-Transport category (Tunnel restriction code): 3 (E)  
IATA-Passenger Aircraft: -  
IATA-Subsidiary hazards: See SP63  
IATA-Cargo Aircraft: -  
IATA-S.P.: -  
IATA-ERG: -  
IMDG-EmS: F-D,  
S-U  
IMDG-Subsidiary hazards: See SP63  
IMDG-Stowage and handling: SW1 SW22  
IMDG-Segregation: SG69
- 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code  
No  
Limited Quantity: 1 L  
Exempted Quantity: E0

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#### SECTION 15: Regulatory information

- 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture  
Dir. 98/24/EC (Risks related to chemical agents at work)  
Dir. 2000/39/EC (Occupational exposure limit values)  
Regulation (EC) n. 1907/2006 (REACH)  
Regulation (EC) n. 1272/2008 (CLP)  
Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013  
Regulation (EU) 2015/830  
Regulation (EU) n. 286/2011 (ATP 2 CLP)  
Regulation (EU) n. 618/2012 (ATP 3 CLP)  
Regulation (EU) n. 487/2013 (ATP 4 CLP)  
Regulation (EU) n. 944/2013 (ATP 5 CLP)  
Regulation (EU) n. 605/2014 (ATP 6 CLP)  
Regulation (EU) n. 2015/1221 (ATP 7 CLP)  
Regulation (EU) n. 2016/918 (ATP 8 CLP)  
Regulation (EU) n. 2016/1179 (ATP 9 CLP)  
Regulation (EU) n. 2017/776 (ATP 10 CLP)
- Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:  
Restrictions related to the product:  
Restriction 3  
Restrictions related to the substances contained:  
No restriction.
- Volatile Organic compounds - VOCs = 0.00 %  
Volatile Organic compounds - VOCs = 0.00 g/Kg  
Volatile Organic compounds - VOCs = 0.00 g/l  
Where applicable, refer to the following regulatory provisions :  
Directive 2012/18/EU (Seveso III)  
Regulation (EC) nr 648/2004 (detergents).  
Dir. 2004/42/EC (VOC directive)
- SVHC Substances:  
Substances in candidate list (Art. 59 Reg. 1907/2006, REACH):  
Dodecamethylcyclohexasiloxane  
PBT, vPvB  
Provisions related to directive EU 2012/18 (Seveso III):



# Safety Data Sheet

## BLACK SILICONE GASKET ML 200



Seveso III category according to Annex 1, part 1  
None

15.2. Chemical safety assessment  
No Chemical Safety Assessment has been carried out for the mixture.  
Substances for which a Chemical Safety Assessment has been carried out:  
None

### SECTION 16: Other information

Text of phrases referred to under heading 3:  
H314 Causes severe skin burns and eye damage.  
H302 Harmful if swallowed.

Hazard class and hazard category	Code	Description
Aerosols 3	2.3/3	Aerosol, Category 3
Acute Tox. 4	3.1/4/Oral	Acute toxicity (oral), Category 4
Skin Corr. 1B	3.2/1B	Skin corrosion, Category 1B

Paragraphs modified from the previous revision:

SECTION 2: Hazards identification  
SECTION 3: Composition/information on ingredients  
SECTION 7: Handling and storage  
SECTION 12: Ecological information  
SECTION 14: Transport information

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Classification according to Regulation (EC) Nr. 1272/2008	Classification procedure
Aerosols 3, H229	On basis of test data

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre,  
Commission of the European Communities  
SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van  
Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.  
ATE: Acute Toxicity Estimate  
ATEmix: Acute toxicity Estimate (Mixtures)  
CAS: Chemical Abstracts Service (division of the American Chemical

## Safety Data Sheet

### BLACK SILICONE GASKET ML 200



	Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
NA:	Not applicable
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average
WGK:	German Water Hazard Class.