

**Safety data sheet according to Regulation (EC)  
No. 1907/2006 (REACH), Article 31**

Version number: 1.2 / Creation date: 01.04.2020

**Adesso Split silicone care and insulation spray**

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

**1.1. Product identifier**

Trade name: Adesso Split silicone care and insulation spray  
Article number: #64600222

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

No further relevant information available.  
Use of the substance / the mixture lubricant/ lubricants

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

Company name:	Baumann Dental GmbH
Street/P.O. Box:	Im Holderle 5
Post code, Place:	D-75196 Remchingen
Telephone:	+49 (0) 7232 - 73218 - 0
Telefax:	+49 (0) 7232 - 73218 - 99
E-mail:	info@baumann-dental.de
Internet:	www.baumann-dental.de

Department responsible for information:  
Telephone: +49 (0) 7232 - 73218 - 0  
E-mail: info@baumann-dental.de

**1.4. Emergency telephone number**

Germany: +49(0)551-19240 (Poison Information Centre North, 24h in German and English)  
Austria: +43(0)1-4064343 (Poison Information Centre, 24h)

**SECTION 2: HAZARDS IDENTIFICATION**

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

Classification according to Regulation (EC) No. 1272/2008



GHS02 Flame  
Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurised container:  
May burst if heated.



GHS08 Health hazard  
Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.



GHS07  
Skin Irrit. 2 H315 Causes skin irritation.

STOT SE 3                      H336 May cause drowsiness or dizziness.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

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#### 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



GHS02



GHS07



GHS08

Signal word Hazard

Hazard-determining components for labelling

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclenes

Carbon hydrates, C6, Isoalkanes, < 5% n-hexane

Hazard statements:

H222-H229 Extremely flammable aerosol. Pressurized container: may burst if heated.

H315 Causes skin irritation.

H336 May cause drowsiness or dizziness.

H304 May be fatal if swallowed and enters airways.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

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

P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use.

P271 Use only outdoors or in a well-ventilated area.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTRE / doctor.

P331 Do not induce vomiting.

P362+P364 Take off contaminated clothing and wash it before reuse.

P405 Store locked up.

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

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

Additional information: Keep out of reach of children.

#### 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 non-hazardous additions.

Hazardous ingredients:

CAS: 74-98-6 EINECS: 200-827-9	Propane ⚠ Flam. Gas 1, H220; Press. Gas C, H280	25-50%
CAS: 106-97-8 EINECS: 203-448-7	Butane ⚠ Flam. Gas 1, H220; Press. Gas C, H280	10-25%
CAS: 9275-10-4	EC No 927-510-4 hydrocarbons, C7, n-alkanes, isoalkanes, cyclenes ⚠ Asp. Tox. 1, H304; ⚠ Skin Irrit. 2, H315; STOT SE 3, H336; Aquatic Chronic 4, H413	10-25%

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Hazardous ingredients:

CAS: 9312-54-9	EC number 931-254-9 Carbon hydrates, C6, Isoalkanes, <5% n-hexane  ⚠ Flam. Liq. 2, H225; Asp. ⚠ Tox. 1, H304; ⚠ Aquatic Chronic 2, H411; Skin Irrit. 2, H315; STOT SE 3, H336	10-25%
CAS: 110-54-3 EINECS: 203-777-6	n-hexane  ⚠ Flam. Liq. 2, H225; ⚠ Repr. 2, H361f; STOT RE 2, H373; Asp. Tox. 1, H304; ⚠ Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315; STOT SE 3, H336	< 0.5%

Additional notes:

Wording of the listed hazard statements is given in Section 16

**SECTION 4: FIRST AID MEASURES**

**4.1. Description of first aid measures**

If inhaled: In case of unconsciousness place and transport in a stable lateral position.  
In case of skin contact: Wash off immediately with soap and water and rinse thoroughly.  
Following eye contact:  
Rinse eyes under running water for several minutes with the eyelid open.  
If swallowed: Do not induce vomiting, seek medical attention immediately.

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

No further relevant information available.

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

Symptomatic treatment

**SECTION 5: FIREFIGHTING MEASURES**

**5.1. Extinguishing media**

Suitable extinguishing media:  
CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol-resistant foam.  
Extinguishing media unsuitable for safety reasons: full water jet

**5.2. Special hazards arising from the substance or mixture**

No further relevant information available.

**5.3. Advice for firefighters**

Special protective equipment: No special measures required.

**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**

In case of penetration into waters or the sewage system, inform the competent authorities.  
Do not allow to enter the sewage system/surface water/groundwater

**6.3. Methods and material for containment and cleaning up:**

Ensure adequate ventilation.

**6.4. Reference to other sections**

For information on safe handling, see Section 7.  
For information on personal protective equipment, see Section 8.  
For information on disposal, see Section 13.

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**SECTION 7: HANDLING AND STORAGE**

**7.1. Precautions for safe handling**

Ensure good ventilation/extraction at the workplace.

Open and handle container with care.

Notes on fire and explosion protection:

Do not spray into flames or red-hot objects.

Keep sources of ignition away - no smoking.

Take measures against electrostatic charging.

Pressurised container. Protect from sunlight and temperatures exceeding 50°C (e.g. due to light bulbs). Do not open by force or burn, even after use.

**7.2. Conditions for safe storage, including any incompatibilities**

Storage:

Requirements for storage rooms and containers:

Store in a cool place.

The official regulations for the storage of pressurised aerosol packaging must be observed.

Information on common storage: Not required.

Further information on storage conditions:

Keep containers tightly closed.

Store in cool and dry place in tightly closed containers.

Protect from heat and direct sunlight.

Storage class: SC 2B

**7.3. Specific end use(s)**

No further relevant information available

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

Additional information on the design of technical systems:

No further information, see Section 7.

**8.1. Control parameters**

Components with limit values to be monitored at the workplace:

74-98-6 Propane

OEL Long-term value: 1800 mg/m<sup>3</sup>, 1000 ml/m<sup>3</sup>  
4(II);DFG

106-97-8 Butane

OEL Long-term value: 2400 mg/m<sup>3</sup>, 1000 ml/m<sup>3</sup>  
4(II);DFG

110-54-3 n-hexane

OEL Long-term value: 180 mg/m<sup>3</sup>, 50 ml/m<sup>3</sup>  
8(II);DFG, EU, Y

Components with biological limit values:

110-54-3 n-hexane

BLV 5 mg/l  
Sample material: Urine  
Sampling time: End of exposure or shift  
Parameters: 2,5-hexanedione plus 4,5-dihydroxy-2-hexanone (after hydrolysis)

Additional information: the lists valid at the time of preparation served as a basis.

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**Adesso Split silicone care and insulation spray****8.2. Exposure controls/Personal protection:**

General protection and hygiene measures:

Keep away from food, drink and animal feed.

Take off contaminated, soaked clothing immediately.

Wash hands prior to breaks and at the end of work.

Do not inhale gases/vapours/aerosols.

Avoid contact with skin.

Avoid contact with eyes and skin.

Respiratory protection: Not required with good room ventilation.

Hand protection:



Protective gloves:

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

Selection of the glove material taking into account breakthrough times, permeation rates and degradation.

Glove material:

The selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer.

As the product is a preparation of several substances, the resistance of glove materials cannot be calculated in advance and must therefore be checked before use.

Penetration time of the glove material

The exact breakthrough time must be obtained from the manufacturer of the protective gloves and must be observed.

Gloves made of the following materials are suitable as splash protection:

Nitrile rubber

Butyl rubber

Eye protection:



Tightly sealing safety goggles

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**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

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

General notes:

Appearance:

Form:	Aerosol
Colour:	Colourless
Odour:	Characteristic
Odour threshold:	Not determined
pH value:	not applicable

Change of state:

Melting point/freezing point:	Not determined.
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Initial boiling point and boiling range:	-44°C
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Flash point:	-97°C
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Flammability (solid, gaseous):	Not applicable.
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Ignition temperature:	365°C
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Decomposition temperature:	Not determined.
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Auto-ignition:	The product is not self-igniting.
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Explosive properties:	The product is not explosive, however, the formation of explosive vapour/air mixtures is possible.
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Explosive limits:

Lower:	1.5 Vol % (propane/butane)
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Upper:	10.9 Vol % (propane/butane)
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Vapour pressure at 20°C:	5300 hPa
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Density:	Not determined
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Relative density:	Not determined
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Vapour density:	Not determined
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Evaporation rate:	Not applicable.
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Solubility in / miscibility with water:	Not miscible or hardly miscible
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Distribution coefficient: n-octanol/water:	Not determined
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Viscosity:

Dynamic:	Not applicable
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	Not determined
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Kinematic:	Not applicable
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	Not determined
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Solvent content:

VOC (EU) 70%

Solids content:	0%
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**9.2. Other information**

No further relevant information available.

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No further relevant information available.

**10.2. Chemical stability**Thermal decomposition / conditions to avoid:  
No decomposition if used as intended.**10.3. Possibility of hazardous reactions**

No hazardous reactions known.

**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 hazardous decomposition products known.

**SECTION 11: TOXICOLOGICAL INFORMATION****11.1. Information on toxicological effects**

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

Classification-relevant LD/LC50 values:

106-97-8 Butane

Inhalative - LC50/4 h - 658 mg/l (rat)

Primary irritant effect:

Etching/irritant effect on the skin

Causes skin irritation.

Serious eye damage/irritation

Based on the available data, the classification criteria are not met.

Sensitisation of the respiratory tract/skin

Based on the available data, the classification criteria are not met.

CMR effects (carcinogenic, mutagenic and teratogenic)

Germ cell mutagenicity

Based on the available data, the classification criteria are not met.

Carcinogenicity: Based on the available data, the classification criteria are not met.

Reproductive toxicity

Based on the available data, the classification criteria are not met.

Specific target organ toxicity at single exposure

May cause drowsiness or dizziness.

Specific target organ toxicity at repeated exposure

Based on the available data, the classification criteria are not met.

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

**SECTION 12: ECOLOGICAL INFORMATION****12.1. Toxicity:** Aquatic toxicity: No further relevant information 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.

Ecotoxic effects:

Note: Toxic to fish.

Further ecological information:

General notes:

Water hazard class: 2 (self-classification): significantly hazardous to water

Do not allow to enter groundwater, waters or the sewage system

Drinking water hazard even when small quantities leak into the subsoil

**12.5. Results of PBT and vPvB assessment**

PBT: Not applicable.

vPvB: Not applicable.

**12.6. Other adverse effects:**

No further relevant information available.

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**SECTION 13: DISPOSAL CONSIDERATIONS**

**13.1. Waste treatment methods**

Recommendation:

Must not be disposed of together with household waste. Do not allow to enter the sewage system.

European Waste Directory

16 05 04\* Gases in pressure vessels containing dangerous substances (including halons)

HP3 flammable / HP4 irritant - skin irritation and eye damage / HP5 specific target organ toxicity (STOT) / aspiration hazard / HP14 ecotoxic

**SECTION 14: TRANSPORT INFORMATION**

**14.1. UN number**

ADR, IMDG, IATA

UN1950

**14.2. UN proper shipping name**

ADR

1950 PRESSURISED GAS PACKAGING,  
ENVIRONMENTALLY HAZARDOUS

IMDG

AEROSOLS

IATA

AEROSOLS, flammable

**14.3. Transport hazard classes**

ADR



Class

2.5F Gases

Hazard label

2.1



Class 2.1

Label 2.1

**14.4. Packing group**

ADR, IMDG, IATA

not applicable

**14.5. Environmental hazards**

Marine pollutant:

No

Not applicable

**14.6. Special precautions**

for the user Attention: Gases

Number for identifying the hazard (Kemler number): -

EMS number:

F-D,S-U

Stowage Code:

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.

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.

Segregation Code:

**14.7. Transport in bulk according to**

Annex II of the MARPOL Agreement and according to the IBC Code:

Not applicable.



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Transport/further information:

ADR

Exempted quantities (EQ): E0

Limited quantity (LQ) 1L

Exempted quantities (EQ) Code: E0

Not approved in exempted quantities

Transport category: 2

Tunnel restriction code: D

Notes: Limited quantity

Maximum 30 kg per package (carton), apply "diamond with black corners label" to the carton.

IMDG

Limited quantities (LQ) 1L

Excepted quantities (EQ) Code: E0

Not permitted as Excepted Quantity

UN "Model Regulation":

UN1950, PRESSURISED GAS PACKAGING, 2.1,  
ENVIRONMENTALLY HAZARDOUS

**SECTION 15: REGULATORY INFORMATION**

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

Labelling according to Regulation (EC) No. 1272/2008 GHS labelling elements

Guideline 2012/18/EU

Named hazardous substances - ANNEX I

None of the constituents are contained.

Seveso category

P3a FLAMMABLE AEROSOLS

E2 Hazardous to waters

Threshold quantity (in tonnes) for use in lower classified operations 150 t

Threshold quantity (in tonnes) for use in higher classified operations 500 t

REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of limitation: 3

National regulations:

Technical instructions air:

Class I: 0.5%

Class NK: 75.0%

Water hazard class: WGK2 (self-classification): significantly hazardous to water

**15.2. Chemical safety assessment**

A chemical safety assessment has not been conducted.

**SECTION 16: OTHER INFORMATION**

The information is based on the current state of our knowledge, however, it does not represent a guarantee of product characteristics and does not establish a contractual legal relationship.

Relevant phrases

H220 Extremely flammable gas.

H225 Highly flammable liquid and vapour.

H280 Contains gas under pressure; may explode if heated.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H331 Toxic if inhaled.

H336 May cause drowsiness or dizziness.

H361f Suspected of damaging fertility.

H373 May cause damage to organs by prolonged or repeated exposure.

H411 Toxic to aquatic life with long lasting effects.

H413 May cause long lasting harmful effects to aquatic life.

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Department issuing the data sheet: Product Safety Department

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)
IATA-DGR:	Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
ICAO:	International Civil Aviation Organisation
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organisation" (ICAO)
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)
LC50:	Lethal concentration, 50 percent
LD50:	Lethal dose, 50 percent
PBT:	Persistent, Bioaccumulative and Toxic
vPvB:	very Persistent and very Bioaccumulative
Flam. Gas 1:	Flammable gases- Category 1
Aerosol 1:	Aerosols - Category 1
Press. Gas C:	Gases under pressure - compressed gas
Flam. Liq. 2:	Flammable liquids - Category 2
Skin Irrit. 2:	Skin irritant/caustic effect - Category 2
Repr. 2:	Reproductive toxicity - Category 2
STOT SE 3:	Specific target organ toxicity (single exposure) - Category 3
STOT RE 2:	Specific target organ toxicity (repeated exposure) - Category 2
Asp. Tox. 1:	Aspiration hazard - Category 1
Aquatic Chronic 2:	Water pollution hazard - long-term water pollution hazard - Category 2
Aquatic Chronic 4:	Water pollution hazard - long-term water pollution hazard - Category 4