

according to Regulation (EC) No 1907/2006

**VIP (va-Q-vip B, va-Q-vip F, va-Q-vip EPS, va-Q-vip GGM, va-Q-vip Floor)**

Revision date: 20.01.2020

Product code: VQT105

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

VIP (va-Q-vip B, va-Q-vip F, va-Q-vip EPS, va-Q-vip GGM, va-Q-vip Floor)

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

VIP (vacuum insulation panel)

The product is designed exclusively for industrial and commercial use.

VIP (va-Q-vip B, va-Q-vip F, va-Q-vip EPS, va-Q-vip GGM, va-Q-vip Floor) is an article according to the REACH regulation (EC) No. 1907/2006 and the OSHA Hazard Communication Standard, 29 CFR Subpart 1910.1200(c). For articles, the preparation of a safety data sheet or a CLP labeling is not required. Even if this article is not subjected to any obligation to classify or label according to CLP-regulation (EC) No. 1272/2008, the va-Q-tec AG provides use relevant information in regards to safe handling, use, processing, storage, transportation and disposal. This safety data sheet describes the filling of the VIP (vacuum insulation panel).

**Uses advised against**

The product is only to be used for the intended application.

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

Company name:	va-Q-tec AG	
Street:	Alfred-Nobel-Straße 33	
Place:	D-97080 Wuerzburg	
Telephone:	+49 (0)931 35942 0	Telefax: +49 (0)931 35942 10
e-mail:	info@va-Q-tec.com	
Internet:	www.va-Q-tec.com	
Responsible Department:	Quality assurance:	
	PHONE: +49 (0)931 35942 0	
	FAX: +49 (0)931 35942 10	
	MAIL: info@va-Q-tec.com	

**1.4. Emergency telephone****number:** Poison centre Munich:  
+49 (0)89 19240 (24h, german and english)**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Regulation (EC) No. 1272/2008**

This mixture is not classified as hazardous in accordance with Regulation (EC) No. 1272/2008.

**2.2. Label elements****Additional advice on labelling**

There is no requirement for the product to be specially labelled according to EC directives or the corresponding national laws.

**2.3. Other hazards**

This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

**SECTION 3: Composition/information on ingredients****3.2. Mixtures****Chemical characterization**

Amorphous silica

**Further Information**

The VIP (va-Q-vip B, va-Q-vip F, va-Q-vip EPS, va-Q-vip GGM, va-Q-vip Floor) cores are encapsulated in polyester non-woven fabric or a PE shrinkwrap and then covered with a multi-layered barrier film. The core of va-Q-vip Floor is concealed with a polyurethane plate.

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**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

**General information**

No special first aid measures necessary.

**After inhalation**

Exposure by the respiratory tract is unlikely in its present form.

**After contact with skin**

Remove contaminated, saturated clothing immediately. After contact with skin, wash immediately with plenty of water and soap. If skin irritation occurs: Get medical advice/attention.

**After contact with eyes**

Rinse immediately carefully and thoroughly with eye-bath or water. Remove contact lenses, if present and easy to do. Continue rinsing.

**After ingestion**

Rinse mouth immediately and drink plenty of water.

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

No information available.

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

Treat symptomatically.

**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

**Suitable extinguishing media**

Co-ordinate fire-fighting measures to the fire surroundings.

**Unsuitable extinguishing media**

Full water jet

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

No information available.

**5.3. Advice for firefighters**

In case of fire: Wear self-contained breathing apparatus.

**Additional information**

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

**SECTION 6: Accidental release measures**

**6.1. Personal precautions, protective equipment and emergency procedures**

Avoid dust formation. Do not breathe dust.

**6.2. Environmental precautions**

Do not allow to enter into surface water or drains.

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

Take up mechanically. Treat the recovered material as prescribed in the section on waste disposal.

**6.4. Reference to other sections**

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

**SECTION 7: Handling and storage**

**7.1. Precautions for safe handling**

according to Regulation (EC) No 1907/2006

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**Advice on safe handling**

Avoid contact with skin, eyes and clothes. Wear personal protection equipment (refer to section 8).

**Advice on protection against fire and explosion**

No special fire protection measures are necessary.

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

**Requirements for storage rooms and vessels**

Keep container tightly closed in a cool, well-ventilated place.

**Hints on joint storage**

Keep away from food, drink and animal feedingstuffs.

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

VIP (vacuum insulation panel)

The product is designed exclusively for industrial and commercial use.

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

**8.1. Control parameters**

**Exposure limits (EH40)**

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
-	Silica, amorphous, inhalable dust	-	6		TWA (8 h)	WEL
-	Silica, amorphous, respirable dust	-	2.4		TWA (8 h)	WEL
409-21-2	Silicon carbide (not whiskers), respirable	-	4		TWA (8 h)	WEL

**8.2. Exposure controls**

**Protective and hygiene measures**

Avoid contact with skin, eyes and clothes.

Wash contaminated clothing prior to re-use.

When using do not eat or drink.

Wash hands before breaks and after work.

**Eye/face protection**

Under normal usage conditions, not necessary.

At the place of work (in production and when refilling): Tightly sealed safety glasses.

**Hand protection**

Under normal usage conditions, not necessary.

At the place of work (in production and when refilling): Tested protective gloves must be worn.

Suitable material: NBR (Nitrile rubber). PVC (Polyvinyl chloride). NR (Natural rubber (Caoutchouc), Natural latex).

penetration time (maximum wearing period): >8h

Thickness of glove material: 0,35 mm NBR (Nitrile rubber). | 0,5 mm PVC (Polyvinyl chloride). | 0,5 mm NR (Natural rubber (Caoutchouc), Natural latex).

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

**Skin protection**

Long-sleeved working clothes are recommended.

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**Respiratory protection**

Within the recommended use and adequate ventilation no respiratory protection is necessary.

**SECTION 9: Physical and chemical properties**

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

Physical state:	solid	
Colour:	grey	
Odour:	characteristic	
pH-Value:		not applicable

**Changes in the physical state**

Melting point:		>1200 °C
Initial boiling point and boiling range:		no data available
Sublimation point:		no data available
Softening point:		no data available
Pour point:		no data available
Flash point:		no data available
Sustaining combustion:		No data available

**Flammability**

Solid:		no data available
Gas:		no data available
Lower explosion limits:		no data available
Upper explosion limits:		no data available
Ignition temperature:		no data available

**Auto-ignition temperature**

Solid:		no data available
Gas:		no data available
Decomposition temperature:		no data available

**Oxidizing properties**

Not oxidising.		
Vapour pressure:		no data available
Vapour pressure:		no data available
Density:		0,180 - 0,210 g/cm <sup>3</sup>
Bulk density:		no data available
Water solubility:		practically insoluble

**Solubility in other solvents**

not determined		
Partition coefficient:		no data available
Viscosity / dynamic:		no data available
Viscosity / kinematic:		no data available
Flow time:		no data available
Vapour density:		no data available
Evaporation rate:		no data available
Solvent separation test:		no data available
Solvent content:		0,0 %

**9.2. Other information**

according to Regulation (EC) No 1907/2006

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Solid content:

100,00 %

**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

No hazardous reaction when handled and stored according to provisions.

**10.2. Chemical stability**

The product is stable under storage at normal ambient temperatures.

**10.3. Possibility of hazardous reactions**

No hazardous reaction when handled and stored according to provisions.

**10.4. Conditions to avoid**

No information available.

**10.5. Incompatible materials**

No information available.

**10.6. Hazardous decomposition products**

No known hazardous decomposition products.

The plastic materials used to encapsulate the VIP cores will begin to decompose at >150 °C

**SECTION 11: Toxicological information**

**11.1. Information on toxicological effects**

**Acute toxicity**

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

**Irritation and corrosivity**

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

**Sensitising effects**

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

**Carcinogenic/mutagenic/toxic effects for reproduction**

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.

**Additional information on tests**

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

**SECTION 12: Ecological information**

**12.1. Toxicity**

The product is not: Ecotoxic.

**12.2. Persistence and degradability**

There are no data available on the mixture itself.

**12.3. Bioaccumulative potential**

There are no data available on the mixture itself.

**12.4. Mobility in soil**

There are no data available on the mixture itself.

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

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

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**12.6. Other adverse effects**

No information available.

**Further information**

Avoid release to the environment.

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

**Disposal recommendations**

Dispose of waste according to applicable legislation.

According to the European Waste Catalogue (EWC), allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process.

**List of Wastes Code - used product**

170604 CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES); insulation materials and asbestos-containing construction materials; insulation materials other than those mentioned in 17 06 01 and 17 06 03

**List of Wastes Code - contaminated packaging**

070213 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of plastics, synthetic rubber and man-made fibres; waste plastic

**SECTION 14: Transport information**

**Land transport (ADR/RID)**

<b>14.1. UN number:</b>	No dangerous good in sense of this transport regulation.
<b>14.2. UN proper shipping name:</b>	No dangerous good in sense of this transport regulation.
<b>14.3. Transport hazard class(es):</b>	No dangerous good in sense of this transport regulation.
<b>14.4. Packing group:</b>	No dangerous good in sense of this transport regulation.

**Inland waterways transport (ADN)**

<b>14.1. UN number:</b>	No dangerous good in sense of this transport regulation.
<b>14.2. UN proper shipping name:</b>	No dangerous good in sense of this transport regulation.
<b>14.3. Transport hazard class(es):</b>	No dangerous good in sense of this transport regulation.
<b>14.4. Packing group:</b>	No dangerous good in sense of this transport regulation.

**Marine transport (IMDG)**

<b>14.1. UN number:</b>	No dangerous good in sense of this transport regulation.
<b>14.2. UN proper shipping name:</b>	No dangerous good in sense of this transport regulation.
<b>14.3. Transport hazard class(es):</b>	No dangerous good in sense of this transport regulation.
<b>14.4. Packing group:</b>	No dangerous good in sense of this transport regulation.

**Air transport (ICAO-TI/IATA-DGR)**

<b>14.1. UN number:</b>	No dangerous good in sense of this transport regulation.
<b>14.2. UN proper shipping name:</b>	No dangerous good in sense of this transport regulation.
<b>14.3. Transport hazard class(es):</b>	No dangerous good in sense of this transport regulation.
<b>14.4. Packing group:</b>	No dangerous good in sense of this transport regulation.

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: no

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**14.6. Special precautions for user**

No special measures are necessary.

**14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**

not applicable

**SECTION 15: Regulatory information**

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

**EU regulatory information**

2010/75/EU (VOC): 0 %  
Information according to 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III):

**Additional information**

Regulation (EC) No. 648/2004 (Detergents regulation): not applicable  
Regulation (EC) No. 1005/2009 on substances that lead to the depletion of the ozone layer: not applicable  
Regulation (EC) No 850/2004 [POP-Regulation]: not applicable  
This mixture contains the following substances of very high concern (SVHC) which are included in the Candidate List according to Article 59 of REACH: none

**National regulatory information**

Water hazard class (D): - - non-hazardous to water

**15.2. Chemical safety assessment**

Chemical safety assessments for substances in this mixture were not carried out.

**SECTION 16: Other information**

**Changes**

This version replaces all previous ones.

**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  
MARPOL: Maritime Pollution Convention  
GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
CLP: Classification, Labelling and Packaging  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service  
LC50: Lethal concentration, 50%  
LD50: Lethal dose, 50%  
STOT: Specific Target Organ Toxicity  
UN: United Nations  
OECD: Organisation for Economic Co-operation and Development  
VOC: Volatile Organic Compounds  
RID: Regulation Concerning the International Transport of Dangerous Goods by Rail  
DNEL: Derived No Effect Level  
PNEC: Predicted No Effect Level  
WGK: Wassergefährdungsklasse (German Water Hazard Class)  
PBT: Persistent, bio-cumulative, toxic  
vPvB: very persistent and very bio-cumulative  
ISO: International Organization for Standardization

## Safety Data Sheet

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#### Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights.

The receiver of our product is singularly responsible for adhering to existing laws and regulations.

The information given in this safety data sheet is to describe the product's safety regulations.

The information in this safety data sheet is intended to be a guidance for safe handling, use, processing, storage, transportation, disposal and in case of spillages.

The safety data sheet was generated upon information of pre-suppliers.

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*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*