

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

**va-Q-accu +22G, va-Q-pad +22G**

Revision date: 04.01.2021

Product code: VQT003

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

#### 1.1. Product identifier

va-Q-accu +22G, va-Q-pad +22G

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

##### Use of the substance/mixture

heat / cold accumulator

The product is designed exclusively for industrial and commercial use.

Va-Q-accu +22G, va-Q-pad +22G 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. This safety data sheet describes the filling of the va-Q-accu +22G, va-Q-pad +22G.

##### 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	
Contact person:	Dr. Christian Hörl	Telephone: +49 (0)931 35942 0
e-mail:	christian.hoerl@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

Hazard categories:

Aspiration hazard: Asp. Tox. 1

Hazard Statements:

May be fatal if swallowed and enters airways.

#### 2.2. Label elements

##### Regulation (EC) No. 1272/2008

##### Hazard components for labelling

Octadecane

Hydrocarbons, C14-C17, n-alkanes, <2% aromatics

Signal word: Danger

Pictograms:



##### Hazard statements

H304

May be fatal if swallowed and enters airways.

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**Precautionary statements**

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.  
 P331 Do NOT induce vomiting.  
 P405 Store locked up.  
 P502 Refer to manufacturer or supplier for information on recovery or recycling.

**Special labelling of certain mixtures**

EUH066 Repeated exposure may cause skin dryness or cracking.

**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**

**Hazardous components**

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
593-45-3	Octadecane			50 - < 90 %
	209-790-3			
	Asp. Tox. 1; H304 EUH066			
	Hydrocarbons, C14-C17, n-alkanes, <2% aromatics			15 - < 30 %
	917-828-1			
	Asp. Tox. 1; H304 EUH066			

Full text of H and EUH statements: see section 16.

**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. In case of eye irritation consult an ophthalmologist.

**After ingestion**

Observe risk of aspiration if vomiting occurs. Rinse mouth immediately and drink plenty of water. Induce vomiting when the affected person is not unconscious. Medical treatment necessary.

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

Not hazardous to health when used as intended. Danger of aspiration.

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

Treat symptomatically.

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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### **Suitable extinguishing media**

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

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

Combustible

Vapours can form explosive mixtures with air.

### 5.3. Advice for firefighters

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

## SECTION 6: Accidental release measures

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

Avoid contact with skin, eyes and clothes.

### 6.2. Environmental precautions

Do not allow to enter into surface water or drains.

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

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal. Clean contaminated articles and floor according to the environmental legislation.

### 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

#### **Advice on safe handling**

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

### 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)

heat / cold accumulator

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## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### **Additional advice on limit values**

Currently there are no exposure limits available.

### 8.2. Exposure controls

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**Protective and hygiene measures**

- Avoid contact with skin, eyes and clothes.
- Remove contaminated, saturated clothing immediately.
- 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.

**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:	green	
Odour:	characteristic	
pH-Value:		not applicable

**Changes in the physical state**

Melting point:	20-23 °C
Initial boiling point and boiling range:	>250 °C
Sublimation point:	no data available
Softening point:	no data available
Pour point:	no data available
Flash point:	ca. 140 °C
Sustaining combustion:	No data available

**Flammability**

Solid:	no data available
Gas:	no data available

**Explosive properties**

no data available

Lower explosion limits:	no data available
Upper explosion limits:	no data available
Ignition temperature:	>200 °C

**Auto-ignition temperature**

Solid:	no data available
Gas:	no data available

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Decomposition temperature: no data available

**Oxidizing properties**

Not oxidising.

Vapour pressure: no data available

Vapour pressure: no data available

Density (at 15 °C): 0,88 g/cm<sup>3</sup>

Bulk density: no data available

Water solubility: practically insoluble

**Solubility in other solvents**

no data available

Partition coefficient: no data available

Viscosity / dynamic: no data available

Viscosity / kinematic:  
(at 40 °C) 2,2 mm<sup>2</sup>/s

Flow time: no data available

Vapour density: no data available

Evaporation rate: no data available

Solvent separation test: no data available

Solvent content: no data available

**9.2. Other information**

no data available

**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.

**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Acute toxicity**

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

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CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
593-45-3	Octadecane				
	oral	LD50 >5000 mg/kg	Rat	ECHA	OECD 401
	dermal	LD50 >5000 mg/kg	Rabbit	ECHA	OECD 402
	inhalation (4 h) vapour	LC50 >2000 mg/l	Rat	ECHA	OECD 403
	Hydrocarbons, C14-C17, n-alkanes, <2% aromatics				
	oral	LD50 >5000 mg/kg	Rat	ECHA	OECD 401
	dermal	LD50 >5000 mg/kg	Rabbit	ECHA	OECD 402
	inhalation (4 h) vapour	LC50 >2000 mg/l	Rat	ECHA	OECD 403

#### 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

Repeated exposure may cause skin dryness or cracking.

#### Aspiration hazard

May be fatal if swallowed and enters airways.

## SECTION 12: Ecological information

### 12.1. Toxicity

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### 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.

### 12.6. Other adverse effects

No information available.

#### Further information

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

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### 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 - residues/unused products

130307 OIL WASTES AND WASTES OF LIQUID FUELS (EXCEPT EDIBLE OILS, AND THOSE IN CHAPTERS 05, 12 AND 19); waste insulating and heat transmission oils; mineral-based non-chlorinated insulating and heat transmission oils; hazardous waste

### List of Wastes Code - used product

130307 OIL WASTES AND WASTES OF LIQUID FUELS (EXCEPT EDIBLE OILS, AND THOSE IN CHAPTERS 05, 12 AND 19); waste insulating and heat transmission oils; mineral-based non-chlorinated insulating and heat transmission oils; hazardous waste

### List of Wastes Code - contaminated packaging

150102 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); plastic packaging

### Contaminated packaging

Wash with plenty of water. Completely emptied packages can be recycled.

## SECTION 14: Transport information

### Land transport (ADR/RID)

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

### Inland waterways transport (ADN)

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

### Marine transport (IMDG)

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

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

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

### **14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: no

### **14.6. Special precautions for user**

No special measures are necessary.

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### 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  
This mixture contains the following substances of very high concern (SVHC) which are subject to authorisation according to Annex XIV of REACH: none

#### National regulatory information

Water hazard class (D): 1 - slightly hazardous to water

#### Additional information

Observe in addition any national regulations!

### 15.2. Chemical safety assessment

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

## SECTION 16: Other information

#### 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

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### Classification for mixtures and used evaluation method according to Regulation (EC) No. 1272/2008 [CLP]

Classification	Classification procedure
Asp. Tox. 1; H304	Calculation method

#### Relevant H and EUH statements (number and full text)

H304 May be fatal if swallowed and enters airways.  
EUH066 Repeated exposure may cause skin dryness or cracking.

#### 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.)*