

## EU safety data sheet

**Trade name:** Power Gel A

**Product no.:** F1

**Current version :** 3.2.0, issued: 03.07.2023

**Replaced version:** 3.1.1, issued: 25.10.2022

**Region:** GB

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

#### 1.1 Product identifier

Trade name

**Power Gel A**

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

**Relevant identified uses of the substance or mixture**

filling compound for electrotechnical use

**Uses advised against**

No data available.

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

**Address**

BBC Cellpack GmbH

Carl-Zeiss-Strasse 20

79761 Waldshut-Tiengen

Telephone no. +49 (0)7741 6007-0

Fax no. +49 (0)7741 64989

e-mail [electrical.products@cellpack.com](mailto:electrical.products@cellpack.com)

**Information provided by / telephone**

+49 (0)7741 6007-0

**Advice on Safety Data Sheet**

[msds@cellpack.com](mailto:msds@cellpack.com)

#### 1.4 Emergency telephone number

For medical advice (in German and English):

+49 (0)551 192 40 (Giftinformationszentrum Nord)

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

**Classification information**

This product does not meet the classification and labelling criteria given in the Regulation (EC) No 1272/2008 (CLP). Classification and labelling are based on toxicological studies performed on the product (mixture).

#### 2.2 Label elements

Not relevant

#### 2.3 Other hazards

Product may split off hydrogen. Risk of Hydrogen gas build up on contact with water, alcohols, acids, metal salts, amines and alkalis. This product does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

PBT assessment

No data available.

vPvB assessment

No data available.

### SECTION 3: Composition/information on ingredients

#### 3.1 Substances

Not applicable. The product is not a substance.

#### 3.2 Mixtures

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### **Chemical characterization**

Polydimethylsiloxane having functional groups

### **Hazardous ingredients**

This product does not contain substances to be mentioned according to EU Regulation No 1907/2006 (REACH), annex II.

## **SECTION 4: First aid measures**

### **4.1 Description of first aid measures**

#### **General information**

Change contaminated, saturated clothing.

#### **After inhalation**

Ensure supply of fresh air.

#### **After skin contact**

Wash off immediately with soap and water. Consult a doctor if skin irritation persists.

#### **After eye contact**

Remove contact lenses. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes). Get medical attention if pain still persists.

#### **After ingestion**

Do not induce vomiting. Let plenty of water be drunk in small gulps. Never give anything by mouth to an unconscious person.

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

No data available.

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

No data available.

## **SECTION 5: Firefighting measures**

### **5.1 Extinguishing media**

#### **Suitable extinguishing media**

Carbon dioxide; Extinguishing powder; Water spray jet; Alcohol-resistant foam

#### **Unsuitable extinguishing media**

High power water jet; Dry powder; Halones

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

In the event of fire, the following can be released: Carbon dioxide (CO<sub>2</sub>); Carbon monoxide (CO); Hydrogen

### **5.3 Advice for firefighters**

Use self-contained breathing apparatus. flammable hydrogen gas can be trapped under the foam blanket, ensure that potential sources of ignition are eliminated before cleaning or collecting. Wear protective clothing.

## **SECTION 6: Accidental release measures**

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

#### **For non-emergency personnel**

Use personal protective clothing.

#### **For emergency responders**

No data available. Personal protective equipment (PPE) - see Section 8.

### **6.2 Environmental precautions**

Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil.

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

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Pick up with absorbent material (e.g., sand, kieselguhr, acid binder, universal binder, sawdust). Risk of slipping due to leakage/spillage of product. When collected, handle material as described under the section heading "Disposal considerations".

### 6.4 Reference to other sections

No data available.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

#### Advice on safe handling

Open and handle container with care. Ensure adequate ventilation. Keep container tightly closed.

#### General protective and hygiene measures

Observe the usual precautions when handling chemicals. Do not eat or drink during work - no smoking. Wash hands before breaks and after work. Ensure sufficient room ventilation.

#### Advice on protection against fire and explosion

Product may split off hydrogen. May form explosive mixtures in partially empty containers. Keep away from sources of ignition - refrain from smoking. Take precautionary measures against static charges.

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

#### Technical measures and storage conditions

Keep container tightly closed and dry in a cool, well-ventilated place. Protect against humidity

#### Requirements for storage rooms and vessels

Keep in original packaging, tightly closed.

#### Incompatible products

Do not store together with: Alkalis; Amines; Ammonia; Alcohols; oxidizing agents; Acids; Water

### 7.3 Specific end use(s)

No data available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

No parameters available for monitoring.

### 8.2 Exposure controls

#### Appropriate engineering controls

Provide good ventilation.

#### Personal protective equipment

##### Respiratory protection

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of aerosol, vapour and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified.

Respirator FFP1

##### Eye / face protection

Safety glasses recommended

##### Hand protection

Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Appropriate Material	nitrile rubber		
Material thickness	>	0.1	mm
Breakthrough time	>	480	min

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Appropriate Material	butyl rubber		
Material thickness	>	0.3	mm
Breakthrough time	>	480	min

**Other**

Wear suitable protective clothing

**Environmental exposure controls**

No data available.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

<b>State of aggregation</b>	
liquid	
<b>Form</b>	
liquid	
<b>Colour</b>	
colourless	
<b>Odour</b>	
odourless	
<b>pH value</b>	
Not applicable	
Source	Manufacturer
Comments	insoluble
<b>Boiling point / boiling range</b>	
Not applicable	
<b>Melting point/freezing point</b>	
Not applicable	
<b>Decomposition temperature</b>	
Value	> 200 °C
<b>Flash point</b>	
Value	> 242 °C
Method	ISO 2592
<b>Ignition temperature</b>	
Value	> 450 °C
Method	DIN 51794
<b>Explosive properties</b>	
The product does not have explosive properties.	
<b>Flammability</b>	
No data available	
<b>Lower explosion limit</b>	
Value	4 % vol
Reference substance	CAS 1333-74-0
Source	Manufacturer
<b>Upper explosion limit</b>	
Value	75.6 % vol
Reference substance	CAS 1333-74-0
Source	Manufacturer
<b>Vapour pressure</b>	

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No data available	
<b>Relative vapour density</b>	
No data available	
<b>Relative density</b>	
No data available	
<b>Density</b>	
Value	0.97 g/cm <sup>3</sup>
Reference temperature	23 °C
Method	DIN EN ISO 2811-2
Source	Manufacturer
<b>Solubility in water</b>	
Reference temperature	20 °C
Comments	essentially insoluble
<b>Solubility</b>	
No data available	
<b>Partition coefficient n-octanol/water (log value)</b>	
No data available	
<b>Kinematic viscosity</b>	
Value	1000 mPa*s
Reference temperature	23 °C
Type	dynamic
Source	Manufacturer
<b>Particle characteristics</b>	
No data available	

**9.2 Other information**

<b>Other information</b>
Contrary to all expectations and given our current state of knowledge, products containing SiH and applied onto a catalytic substrate may auto-ignite at much lower temperatures. This applies for porous our fibrous substances and materials with alkaline surface such as thermal or cementitious (cement-based) insulating materials.

**SECTION 10: Stability and reactivity**

**10.1 Reactivity**

No data available.

**10.2 Chemical stability**

Stable under recommended storage and handling conditions (See section 7).

**10.3 Possibility of hazardous reactions**

Dangerous reactions are not to be expected when handling product according to its intended use.

**10.4 Conditions to avoid**

Moisture. Heat, naked flames and other ignition sources.

**10.5 Incompatible materials**

Acids; Alkalies; Ammonia; Amines; Alcohols; Oxidizing agents; Water

**10.6 Hazardous decomposition products**

Hydrogen; Measurements carried out with temperatures above 150°C and in presence of air (oxygen) have shown that low quantities of formaldehyde are released upon oxidative degradation.

**SECTION 11: Toxicological information**

**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

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Acute oral toxicity	
No	Product Name
1	Power Gel A
LD50	> 2000 mg/kg
Species	rat
Source	Manufacturer
Comments	Analogous to a product with a similar composition.

Acute dermal toxicity	
No	Product Name
1	Power Gel A
LD50	> 2000 mg/kg
Species	rabbit
Source	Manufacturer
Comments	Analogous to product with a similar composition.

Acute inhalational toxicity	
No data available	

Skin corrosion/irritation	
No	Product Name
1	Power Gel A
Species	rabbit
Source	Manufacturer
Comments	Analogous to a product with a similar composition.
Evaluation	non-irritant

Serious eye damage/irritation	
No	Product Name
1	Power Gel A
Species	rabbit
Source	Manufacturer
Comments	Analogous to product with a similar composition.
Evaluation	non-irritant

Respiratory or skin sensitisation	
No	Product Name
1	Power Gel A
Route of exposure	Skin
Species	guinea pig
Method	OECD 406
Source	Manufacturer
Comments	Analogous to product with a similar composition.
Evaluation	non-sensitizing

Germ cell mutagenicity	
No data available	

Reproduction toxicity	
No data available	

Carcinogenicity	
No data available	

STOT - single exposure	
No data available	

STOT - repeated exposure	
No data available	

Aspiration hazard	
No data available	

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**11.2 Information on other hazards**

**Endocrine disrupting properties**

Pursuant to REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Delegated Regulation (EU) 2018/605, the product does not contain any endocrine disruptors in a concentration of 0.1% weight by weight and above.

**Other information**

No data available.

**SECTION 12: Ecological information**

**12.1 Toxicity**

<b>Toxicity to fish (acute)</b>
No data available
<b>Toxicity to fish (chronic)</b>
No data available
<b>Toxicity to Daphnia (acute)</b>
No data available
<b>Toxicity to Daphnia (chronic)</b>
No data available
<b>Toxicity to algae (acute)</b>
No data available
<b>Toxicity to algae (chronic)</b>
No data available
<b>Bacteria toxicity</b>
No data available

**12.2 Persistence and degradability**

No data available.

**12.3 Bioaccumulative potential**

No data available.

**12.4 Mobility in soil**

No data available.

**12.5 Results of PBT and vPvB assessment**

<b>Results of PBT and vPvB assessment</b>	
PBT assessment	No data available.
vPvB assessment	No data available.

**12.6 Endocrine disrupting properties**

<b>Endocrine disrupting properties</b>
Pursuant to REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Delegated Regulation (EU) 2018/605, the product does not contain any endocrine disruptors in a concentration of 0.1% weight by weight and above.

**12.7 Other adverse effects**

No data available.

**12.8 Other information**

<b>Other information</b>
Do not discharge product unmonitored into the environment.

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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

**Product**

Disposal of the product should be carried out in accordance with all applicable regulations following consultation with the responsible local authority and the disposal company in an authorised and suitable disposal facility.

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

Waste containers must be equipped with pressure relief devices such as ventilation valves.

**Packaging**

Conatianers may contain dangerous quantities of hydrogen. Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse. Packaging that cannot be cleaned should be disposed of in agreement with the regional waste disposal company.

## SECTION 14: Transport information

### 14.1 Transport ADR/RID/ADN

The product is not subject to ADR/RID/ADN regulations.

### 14.2 Transport IMDG

The product is not subject to IMDG regulations.

### 14.3 Transport ICAO-TI / IATA

The product is not subject to ICAO-TI / IATA regulations.

### 14.4 Other information

No data available.

### 14.5 Environmental hazards

Information on environmental hazards, if relevant, please see 14.1 - 14.3.

### 14.6 Special precautions for user

No data available.

### 14.7 Maritime transport in bulk according to IMO instruments

Not relevant

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture EU regulations

**Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)**

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

**REACH candidate list of substances of very high concern (SVHC) for authorisation**

According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.

**Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, MIXTURES AND ARTICLES**

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances subject to restriction as listed in Annex XVII of the REACH regulation (EC) 1907/2006.

**Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances**

This product is not subject to Part 1 or 2 of Annex I.

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### Other regulations

Adhere to the national sanitary and occupational safety regulations when using this product.

### National regulations

#### National chemical inventories

USA (TSCA)	listed
DSL/NDL (Canada)	DSL listed
ENCS (Japan)	ENCS listed
AICS (Australia)	listed
IECSC / NEPA (China)	listed
PICCS (Philippines)	listed
Taiwan (TCSI)	TCSI listed

### 15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for this mixture.

## SECTION 16: Other information

#### Sources of key data used to compile the data sheet:

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

Directives 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164.

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding section.

This information is based on our present knowledge and experience.

The safety data sheet describes products with a view to safety requirements.

It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

Alterations/supplements:

Alterations to the previous edition are marked in the left-hand margin.

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