EU safety data sheet

Trade name: Power Gel A
Product no.: F1
Current version : 3.1.1, issued: 25.10.2022 **Replaced version:** 3.1.0, issued: 24.02.2022 **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 electrotecnical 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

Information provided by / telephone
+49 (0)7741 6007-0

Advice on Safety Data Sheet
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.

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

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 (CO2); 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
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
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

State of aggregation
liquid

Form
liquid

Colour
colourless

Odour
odourless

pH value	
Source	Manufacturer
Comments	neutral

Boiling point / boiling range
Not applicable

Melting point/freezing point
Not applicable

Decomposition temperature			
Value	>	200	°C

Flash point			
Value	>	242	°C
Method	ISO 2592		

Ignition temperature			
Value	>	450	°C
Method	DIN 51794		

Explosive properties
The product does not have explosive properties.

Flammability
No data available

Lower explosion limit		
Value	4	% vol
Reference substance	Methanol	
Source	Manufacturer	

Upper explosion limit		
Value	75.6	% vol
Reference substance	Methanol	
Source	Manufacturer	

Vapour pressure
No data available

Relative vapour density
No data available

Relative density		
Value	0.97	
Reference temperature	23	°C
Method	DIN EN ISO 2811-2	

Density		
Value	0.97	g/cm³
Reference temperature	23	°C
Method	DIN EN ISO 2811-2	

Solubility in water		
Reference temperature	20	°C
Comments	essentially insoluble	

Solubility
No data available

Partition coefficient n-octanol/water (log value)
No data available

Kinematic viscosity		
Value	1000	mPa*s
Reference temperature	23	°C
Type	dynamic	
Source	Manufacturer	

Particle characteristics
No data available

9.2 Other information

Other information
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 alcaline 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; Alkalis; Ammonia; Amines; Alcohols; Oxidizing agents

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

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

11.2 Information on other hazards

Endocrine disrupting properties

No data available.

Other information
No data available.

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish (acute)
No data available

Toxicity to fish (chronic)
No data available

Toxicity to Daphnia (acute)
No data available

Toxicity to Daphnia (chronic)
No data available

Toxicity to algae (acute)
No data available

Toxicity to algae (chronic)
No data available

Bacteria toxicity
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

Results of PBT and vPvB assessment	
PBT assessment	No data available.
vPvB assessment	No data available.

12.6 Endocrine disrupting properties
No data available.

12.7 Other adverse effects
No data available.

12.8 Other information

Other information
Do not discharge product unmonitored into the environment.

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.

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

National regulations

National chemical inventories

USA (TSCA)	listed
DSL/NDSL (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.

Document protected by copyright. Alterations or reproductions require the express written permission of UMCO GmbH.
Prod-ID 616712