brevont



Magic Power Gel

Product Code ACC.MPG.013

Features

IP68 insulating and sealing gel

Strong self amalgamating characteristics

Reusable as well as re-enterable even after long

working periods

Single compact botte, convenient twin compart-

ment

It cures in 15 minutes at 25°C

Non-toxic and safe, eco friendly

No shelf life

Dielectric Strength: Greater than 23 Kv/mm

Please read Safety Datasheet before use.

Specifications

Brand Raytech

Colour Blue

Dimensions (L)82 mm x (H) 165 mm x (W) 75 mmm

Guarantee 1 Year
Height 165mm

IP Rating IP68

Kit Contents Bi-Compartment Bottle (2 x 250ml); Measuring/

Mixing Jug

Length 82mm

Material Bi-Component Gel

Maximum Operating

iding 2

200°C

Minimum Operating

illillidili Operallilg

-60°C

Temperature

Temperature

Packaging Types Box

Product Rage Magic Power Gel

Standards VDE 0291

Suitable for Filling of Enclosures, Sealing of Ducts, Sealing of

Pipes and Lots More

 Unspsc V18
 39121452

 Weight
 0.0316kg

Width 75mm

brevont

Lechtal House, Borovere Business Park, Borovere Lane

ALTON, GU34 1FH

www.brevont.com United Kingdom enquiries@brevont.com



Revision Date: 03.05.2019

SAFETY DATA SHEET

According to regulation (EC) n° 1907/2006 Annex II

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

1.1 Product identifier:

Product name: MAGIC POWER GEL PART A

Synonyms, Trade Names: MAGIC POWER GEL, MAGIC POWER JOINT, POWER KIT

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

Identified uses: Isolation of electrical or electronic material.

Uses advised against: None known.

1.3 Details of the supplier of the safety data sheet:

Manufacturer:

RAYTECH S.r.I.

Via Enrico Fermi 11, 13, 17

20019 Settimo Milanese (MI) - ITALIA Telephone: +39 (02) 33500147

Fax: +39 (02) 33500287 e-mail: info@raytech.it

Supplier:

RAYTECH S.r.I.

Via Enrico Fermi 11, 13, 17

20019 Settimo Milanese (MI) - ITALIA Telephone: +39 (02) 33500147 Fax: +39 (02) 33500287

1.4 Emergency telephone number: +39 (02) 33500147

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

The product has not been classified as hazardous according to the legislation in force.

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

Not classified

2.2 Label Elements

Not applicable

Hazard summary

Physical Hazards: No specific recommendations.

Health Hazards

Inhalation:No specific symptoms noted.Eye contact:No specific symptoms noted.Skin Contact:No specific symptoms noted.Ingestion:No specific symptoms noted.



Rev: 006

Revision Date: 03.05.2019

Other Health Effects: No other information noted.

Environmental Hazards: Not regarded as dangerous for the environment.

2.3 Other hazards

Meets PBT (persistent/bioaccumulative/toxic) criteria. Meets vPvB

SECTION 3: Composition/information on ingredients

3.2 Mixtures

General information: Mixture of organosiloxanes, additives.

Chemical name	Concentration	CAS-No.	EC No.	REACH Registration No.	M-Factor:	Notes
Octamethylcyclotetra siloxane	≥ 0,1 - <0,25%	556-67-2	209-136- 7	01- 2119529238- 36-0002	No data available.	# PBT vPvB
Decamethylcyclopent asiloxane	≥ 0,1 - <0,25%	541-02-6	208-764- 9	01- 2119511367- 43-0003	No data available.	vPvB
Dodecamethylcycloh exasiloxane	≥ 0,25 - <0,5%	540-97-6	208-762- 8	01- 2119517435- 42-0002	No data available.	vPvB

^{*} All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

Classification

Chemical name	Classification	Notes
Octamethylcyclotetrasiloxane	Flam. Liq. 3 H226; Repr. 2 H361f; Aquatic Chronic 4 H413;	No data available.
Decamethylcyclopentasiloxane	None known.	No data available.
Dodecamethylcyclohexasiloxa ne	None known.	No data available.

CLP: Regulation No. 1272/2008.

The full text for all H-statements is displayed in section 16.

SECTION 4: First aid measures

General: Get medical attention if symptoms occur. Contaminated clothing to be

placed in closed container until disposal or decontamination.

4.1 Description of first aid measures

Inhalation: Not relevant.

Skin Contact: Remove contaminated clothing and shoes. Wash with soap and water.

[#] This substance has workplace exposure limit(s).



Rev: 006

Revision Date: 03.05.2019

Eye contact: In the event of contact with the eyes, rinse thoroughly with clean water.

Continue to rinse for at least 15 minutes.

Ingestion: Do not induce vomiting. Rinse mouth thoroughly.

4.2 Most important symptoms and effects, both acute and delayed:

None known.

4.3 Indication of any immediate medical attention and special treatment needed

Hazards: No specific recommendations.

Treatment: No specific recommendations.

SECTION 5: Firefighting measures

General Fire Hazards: No specific recommendations.

5.1 Extinguishing media

Suitable extinguishing media:

Extinguish with foam, carbon dioxide or dry powder. Water spray.

Unsuitable extinguishing

media:

None known.

5.2 Special hazards arising from the

substance or mixture:

None known. For further information, refer to section 10: "Stability and

Reactivity".

5.3 Advice for firefighters Special fire fighting

procedures:

Water spray should be used to cool containers.

Special protective equipment

for fire-fighters:

Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Use standard firefighting procedures and consider the

hazards of other involved materials.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

6.1.1 For non-emergency

personnel:

Use personal protective equipment. See Section 8 of the SDS for

Personal Protective Equipment.

6.1.2 For emergency

responders:

No data available.

6.2 Environmental Precautions: Collect spillage. Do not discharge into drains, water courses or onto

the ground.

6.3 Methods and material for containment and cleaning

up:

Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Container must be kept tightly closed. Absorb with sand or other inert absorbent. To clean the floor and all objects contaminated by this material, use an appropriate solvent.(cf.: § 9) Flush area with plenty of water. Incinerate in suitable combustion



Rev: 006

Revision Date: 03.05.2019

6.4 Reference to other

sections:

Caution: Contaminated surfaces may be slippery. For waste disposal,

see Section 13 of the SDS.

SECTION 7: Handling and storage

7.1 Precautions for safe

handling:

No specific precautions.

7.2 Conditions for safe storage,

including any incompatibilities:

No special storage precautions noted. Material is stable under normal conditions. Avoid contact with oxidizing agents. Suitable containers:

polyethylene. Plastic lined steel drum.

7.3 Specific end use(s): No specific recommendations.

SECTION 8: Exposure controls/personal protection

8.1 Control Parameters Occupational Exposure Limits

Chemical name Type		Exposure Limit Values	Source
Octamethylcyclotetrasiloxane	VME	10 ppm 120 mg/m3	

8.2 Exposure controls

Appropriate Engineering

Controls:

No specific recommendations.

Individual protection measures, such as personal protective equipment

General information: No specific precautions.

Eye/face protection: Safety Glasses.

Skin protection

Hand Protection: Material: Nitrile.

Material: Polyvinyl chloride (PVC).

Material: Rubber or plastic.

Other: No skin protection is ordinarily required under normal conditions of

use. In accordance with good industrial hygiene practices,

Respiratory Protection: No specific precautions.

Hygiene measures: Provide eyewash station and safety shower.

Environmental Controls: No data available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state: Liquid Form: Gel

Color: Colourless

Odorless



Rev: 006

Revision Date: 03.05.2019

Odor Threshold:

pH:

No data available.

Not applicable

No data available.

No data available.

No data available.

No data available.

Flash Point: > 200 °C (Closed cup according to method ASTM D56.)

Evaporation Rate:

Flammability (solid, gas):

Flammability Limit - Upper (%):

Flammability Limit - Lower (%):

Vapor pressure:

Vapor density (air=1):

No data available

No data available

No data available

No data available

Density: Approximate 1 kg/dm3 (20 °C)

Solubility(ies)

Solubility in Water: Practically Insoluble

Solubility (other): Diethylether: Miscible (in all proportions).

Chlorinated solvents: Miscible (in all proportions). Aromatic hydrocarbons: Miscible (in all proportions). Aliphatic hydrocarbons: Miscible (in all proportions).

Acetone: Very slightly soluble. Ethanol: Very slightly soluble.

Partition coefficient (n-octanol/water): No data available.

Autoignition Temperature: > 400 °C **Decomposition Temperature:** > 200 °C

Viscosity: 2 500 mm²/s (20 °C) Explosive properties: No data available.

Oxidizing properties: According to the data on the components Not considered

as oxidizing. (evaluation by structure-activity relationship)

9.2 Other information: No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity: Not relevant.

10.2 Chemical Stability: Stable.

10.3 Possibility of hazardous

reactions:

Not known.

10.4 Conditions to avoid: No other information noted.

10.5 Incompatible Materials: Strong oxidizing agents.

10.6 Hazardous Decomposition

Products:

Thermal decomposition or combustion may liberate carbon oxides and

other toxic gases or vapors. Amorphous silica.

SECTION 11: Toxicological information

Information on likely routes of exposure

Inhalation: No effects expected (assessment based on ingredients).

Ingestion: No effects expected (assessment based on ingredients).



Rev: 006

Revision Date: 03.05.2019

Skin Contact: No effects expected (assessment based on

Eye contact: No effects expected (assessment based on ingredients).

11.1 Information on toxicological effects:

Acute toxicity:

Oral:

Product: Not classified for acute toxicity based on available data.

Dermal:

Product: Not classified for acute toxicity based on available data.

Inhalation:

Product: Composition/information on ingredients

Specified substance(s):

Decamethylcyclopentasiloxane LC 50 (Rat): 8,67 mg/l

octamethylcyclotetrasiloxane LC 50 (Rat, 4 h): > 36 mg/l

Repeated dose toxicity:

Product: Composition/information on ingredients

Specified substance(s):

Decamethylcyclopentasiloxan e NOAEL (Rat, Oral): >= 1 000 mg/kg

NOAEL (Rat, Inhalation - vapor): >= 2,42 m NOAEL (Rat, Dermal): >= 1 600 mg/kg

Dodecamethylcyclohexasiloxa ne NOAEL (Rat, Oral): >= 1 000 mg/kg Method: OECD 422

NOAEL (Rat, Inhalation - vapor): 0,0182 mg/l Method: OECD 413

octamethylcyclotetrasiloxane NOAEL (Rat, Inhalation): 1,820 mg/l Method: OECD 453

NOAEL (Rabbit, Dermal): 960 mg/kg Method: OECD 411

Skin Corrosion/Irritation:

Product: Composition/information on ingredients

Specified substance(s):

Decamethylcyclopentasiloxane Rabbit : Not irritating

Dodecamethylcyclohexasiloxa ne OECD 404 (Rabbit) : Not irritating

octamethylcyclotetrasiloxane Rabbit, 24 h : Not irritating

Serious Eye Damage/Eye

Irritation:

Product: Composition/information on ingredients

Specified substance(s):

Decamethylcyclopentasiloxane Rabbit: Not irritating

Dodecamethylcyclohexasiloxane OECD 405 (Rabbit): Not irritating

octamethylcyclotetrasiloxane Rabbit, 24 h : Not irritating



Rev: 006

Revision Date: 03.05.2019

Respiratory or Skin Sensitization:

Product: Composition/information on ingredients

Specified substance(s):

Decamethylcyclopentasiloxane Not a skin sensitizer.

Dodecamethylcyclohexasiloxa ne OECD 406 (Guinea Pig) : Not a skin sensitizer.

octamethylcyclotetrasiloxane Guinea Pig: Not a skin sensitizer.

Germ Cell Mutagenicity:

In vitro:

Product: Composition/information on ingredie

Specified substance(s):

Decamethylcyclopentasiloxa ne Chromosomal aberration : No mutagenic components identified.

Bacteria: No mutagenic components identified.

Dodecamethylcyclohexasilox ane Mouse lymphoma cells (OECD 476): negative with and without

metabolic activation

Bacteria (OECD 471): negative with and without metabolic activation

octamethylcyclotetrasiloxane Bacteria: No mutagenic components identified.

Chromosomal aberration: No mutagenic components identified. In vitro gene mutations test on mammalian cells: : No mutagenic

components identified.

In vivo:

Product: Composition/information on ingredients

Specified substance(s):

Decamethylcyclopentasiloxa ne No effects expected.

Dodecamethylcyclohexasilox ane Mammalian erythrocyte micronucleus test (OECD 474): No mutagenic

effects.

octamethylcyclotetrasiloxane No effects expected.

Carcinogenicity:

Product: Composition/information on ingredients

Specified substance(s):

octamethylcyclotetrasiloxane Rat (, Female, Male, Inhalation): (OECD 453) No effects expected.

Reproductive toxicity:

Product: Composition/information on ingredients

Specified substance(s):

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

octamethylcyclotetrasiloxane Suspected of damaging fertility.

Reproductive toxicity (Fertility):

Product: Composition/information on ingredients

Specified substance(s):



Rev: 006

Revision Date: 03.05.2019

Decamethylcyclopentasiloxane Fertility study 2 generations. Rat (Inhalation): NOAEL (parent): 3,64

mg/I NOAEL (F1):None. NOAEL (F2): None. Method: OECD 416

Dodecamethylcyclohexasiloxa ne Reproduction/developmental toxicity screening test. Rat (Gavage

(Oral)): NOAEL (parent): >= 1 000 mg/kg NOAEL (F1):>= 1 000 mg/kg

NOAEL (F2): Method: OECD 422

octamethylcyclotetrasiloxane Fertility study 2 generations. Rat (Inhalation): NOAEL (parent): 3,64

mg/I NOAEL (F1):None. NOAEL (F2): None. Method: OECD 416

Developmental toxicity (Teratogenicity):

Product: Composition/information on ingredients

Specified substance(s):

Dodecamethylcyclohexasiloxa ne Rabbit NOAEL (terato): >= 1 000 mg/kg NOAEL (mater): >= 1 000

mg/kg Method: OECD 414 Rat NOAEL (terato): >= 1 000 mg/kg

NOAEL (mater): >= 1 000 mg/kg Method: OECD 414

octamethylcyclotetrasiloxane Rat (Inhalation): NOAEL (terato): > 6,066 mg/l NOAEL (mater): 3,640

mg/I Method: OECD 414

Specific Target Organ Toxicity - Single Exposure:

Product: No data available.

Specified substance(s):

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

Specific Target Organ Toxicity - Repeated Exposure:

Product: No data available.

Specified substance(s):

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

Aspiration Hazard:

Product: No data available.

Specified substance(s):

octamethylcyclotetrasiloxane No effects expecte

SECTION 12: Ecological information

12.1 Toxicity:

Acute toxicity:

Fish:

Product: Composition/information on ingredients

Specified substance(s):

octamethylcyclotetrasiloxane LC 50 (Oncorhynchus mykiss, 96 h): >= 0,022 mg/l

Aquatic Invertebrates:

Product: Composition/information on ingredients

Specified substance(s):

octamethylcyclotetrasiloxane EC 50 (Water flea (Daphnia magna), 48 h): > 0,015 mg/l



Rev: 006

Revision Date: 03.05.2019

Chronic Toxicity:

Fish:

Product: Composition/information on ingredients

Specified substance(s):

Decamethylcyclopentasiloxane NOEC (Oncorhynchus mykiss, 90 d): >= 0,014 mg/l

octamethylcyclotetrasiloxane NOEC (Oncorhynchus mykiss, 93 d): >= 0,0044 mg/l

Aquatic Invertebrates:

Product: Composition/information on ingredients

Specified substance(s):

Dodecamethylcyclohexasiloxane NOEC (Water flea (Daphnia magna), 21 d): >= 0,0046 mg/l

octamethylcyclotetrasiloxane NOEC (Water flea (Daphnia magna), 21 d): 0,015 mg/l

Toxicity to Aquatic Plants:

Product: Comp

Specified substance(s):

Composition/information on ingredie

octamethylcyclotetrasiloxane EC 50 (Green algae (Selenastrum capricornutum), 96 h): >

0,022 mg/l

Dodecamethylcyclohexasiloxane NOEC (Algae (Pseudokirchneriella subcapitata), 72 h): >=

0,002 mg/l EC 50 (Algae (Pseudokirchneriella subcapitata), 72

12.2 Persistence and Degradability: Biodegradation:

Product: Composition/information on ingredients

Specified substance(s):

Decamethylcyclopentasiloxane

0,14 % (28 d) The product is not readily biodegradable.

Dodecamethylcyclohexasiloxan e 4,5 % (28 d, OECD 310) The product is not readily

biodegradable.

octamethylcyclotetrasiloxane 3,7 % (29 d) The product is not considered to be readily

biodegradable.

BOD/COD Ratio:

Product: No data available.

12.3 Bioaccumulative potential:

Product: Composition/information on ingredients

Specified substance(s):

Decamethylcyclopentasiloxane Fathead Minnow, Bioconcentration Factor (BCF): 7 060

Dodecamethylcyclohexasiloxane Fathead Minnow, Bioconcentration Factor (BCF): 2 860

(OECD 305) Has the potential to bioaccumulate.

octamethylcyclotetrasiloxane Fathead Minnow, Bioconcentration Factor (BCF): 12 400

12.4 Mobility in soil:No data available.



Rev: 006

Revision Date: 03.05.2019

12.5 Results of PBT and vPvB assessment:

Composition/information on ingredients

Decamethylcyclopentasiloxane

Meets vPvB criteria

REACH (1907/2006) Ax XIII

Dodecamethylcyclohexasiloxane

Meets vPvB criteria

REACH (1907/2006) Ax XIII

octamethylcyclotetrasiloxane

Meets PBT

REACH (1907/2006) Ax XIII

(persistent/bioaccumulative/toxic) criteria, Meets vPvB criteria

None known.

12.6 Other adverse effects:

SECTION 13: Disposal considerations

13.1 Waste treatment methods:

General information: The user's attention is drawn to the possible existence of local

regulations regarding disposal.

Disposal methods

Disposal instructions: Dispose of waste at an appropriate treatment and disposal facility in

accordance with applicable laws and regulations, and product

characteristics at time of disposal. Waste of this material should not be

mixed with other waste.

Contaminated Packaging: Contaminated packages should be as empty as possible. Dispose of

waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. Recycle following cleaning or dispose of at an

authorised site.

SECTION 14: Transport information

This material is not subject to transport regulations.

Other information: No special precautions.

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:

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorisation, as amended:

none

15.2 Chemical safety assessment:

No Chemical Safety Assessment has been carried out.



 ${\sf MSDS_MAGIC_POWER_GEL_A}$

Rev: 006

Revision Date: 03.05.2019

Inventory Status:

Australia AICS: Canada DSL Inventory List: EINECS, ELINCS or NLP:

Japan (ENCS) List:

China Inv. Existing Chemical Substances: Korea Existing Chemicals Inv. (KECI):

Philippines PICCS: US TSCA Inventory:

New Zealand Inventory of Chemicals:

On or in compliance with the inventory. On or in compliance with the inventory.

On or in compliance with the inventory.

On or in compliance with the inventory.

SECTION 16: Other information

Revision Information: Not relevant.

References

PBT: persistent, bioaccumulative and toxic substance. vPvB: very persistent and very bioaccumulative substance.

Key abbreviations or acronyms used:

No data available.

Key literature references and

sources for data:

No data available.

Wording of the H-statements in section 2 and 3

H226 Flammable liquid and

vapor.

H361f Suspected of damaging fertility.

H413 May cause long lasting harmful effects to aquatic life.

Training information: No data available.

Disclaimer: The information given is based on data available for the material, the

components of the material, and similar materials. The information is believed to be correct. It is given in good faith. This information should be used to make an independent determination of the methods to

safeguard workers and the environment.



Revision Date: 03.05.2019

SAFETY DATA SHEET

According to regulation (EC) n° 1907/2006 Annex II

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

1.1 Product identifier:

Product name: MAGIC POWER GEL PART B

Synonyms, Trade Names: MAGIC POWER GEL, MAGIC POWER JOINT, POWER KIT

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

Identified uses: Isolation of electrical or electronic material.

Uses advised against: None known.

1.3 Details of the supplier of the safety data sheet:

Manufacturer:

RAYTECH S.r.I.

Via Enrico Fermi 11, 13, 17

20019 Settimo Milanese (MI) - ITALIA Telephone: +39 (02) 33500147

Fax: +39 (02) 33500287 e-mail: info@raytech.it

Supplier:

RAYTECH S.r.I.

Via Enrico Fermi 11, 13, 17

20019 Settimo Milanese (MI) - ITALIA Telephone: +39 (02) 33500147 Fax: +39 (02) 33500287

1.4 Emergency telephone number: +39 (02) 33500147

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

The product has not been classified as hazardous according to the legislation in force.

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

Not classified

2.2 Label Elements

Not applicable

Hazard summary

Physical Hazards: No specific recommendations.

Health Hazards

Inhalation:No specific symptoms noted.Eye contact:No specific symptoms noted.Skin Contact:No specific symptoms noted.Ingestion:No specific symptoms noted.



Rev: 006

Revision Date: 03.05.2019

Other Health Effects: No other information noted.

Environmental Hazards: Not regarded as dangerous for the environment.

2.3 Other hazards

Chemical compounds containing silicon - hydrogen bonds (SiH). This product may generate hydrogen gas. For further information, refer to section 10: "Stability and Reactivity".

Meets PBT (persistent/bioaccumulative/toxic) criteria.

Meets vPvB criteria.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

General information: Mixture of organosiloxanes, additives.

Chemical name	Concentration	CAS-No.	EC No.	REACH Registration No.	M-Factor:	Notes
Octamethylcyclotetra siloxane	≥ 0,5 - <1%	556-67-2	209-136-7	01- 2119529238- 36-0002	No data available.	# PBT vPvB
Decamethylcyclopent asiloxane	≥ 0,25 - <0,5%	541-02-6	208-764-9	01- 2119511367- 43-0003	No data available.	vPvB
Dodecamethylcycloh exasiloxane	≥ 0,25 - <0,5%	540-97-6	208-762-8	01- 2119517435- 42-0002	No data available.	vPvB

^{*} All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume

Classification

Chemical name	Classification	Notes
Octamethylcyclotetrasiloxane	Flam. Liq. 3 H226; Repr. 2 H361f; Aquatic Chronic 4 H413;	No data available.
Decamethylcyclopentasiloxane	None known.	No data available.
Dodecamethylcyclohexasiloxa ne	None known.	No data available.

CLP: Regulation No. 1272/2008.

The full text for all H-statements is displayed in section 16.

SECTION 4: First aid measures

General: Get medical attention if symptoms occur. Contaminated clothing to be

placed in closed container until disposal or decontamination.

4.1 Description of first aid measures

[#] This substance has workplace exposure limit(s).



Rev: 006

Revision Date: 03.05.2019

Inhalation: Not relevant.

Skin Contact: Remove contaminated clothing and shoes. Wash with soap and water.

Eye contact: In the event of contact with the eyes, rinse thoroughly with clean water.

Continue to rinse for at least 15 minutes.

Ingestion: Do not induce vomiting. Rinse mouth thoroughly.

4.2 Most important symptoms and effects, both acute and delayed:

None known.

4.3 Indication of any immediate medical attention and special treatment needed

Hazards: No specific recommendations.

Treatment: No specific recommendations.

SECTION 5: Firefighting measures

General Fire Hazards: No specific recommendations.

5.1 Extinguishing media

Suitable extinguishing media:

Foam. Powder. Carbon dioxide (CO2).

Unsuitable extinguishing

media:

Do not use water jet as an extinguisher, as this will spread the fire. Alkaline

powders.

5.2 Special hazards arising from the

substance or mixture:

This product may generate hydrogen gas. Vapors may form explosive mixtures with air. For further information, refer to section 10: "Stability

and Reactivity".

5.3 Advice for firefighters

Special fire fighting

procedures:

Water spray should be used to cool containers.

Special protective equipment

for fire-fighters:

Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Use standard firefighting procedures and consider the

hazards of other involved materials.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

6.1.1 For non-emergency

personnel:

Wear appropriate personal protective equipment. See Section 8 of the SDS for Personal Protective Equipment. Keep away from Alkalis and

caustic products. Eliminate all sources of ignition.

6.1.2 For emergency

responders:

No data available.

6.2 Environmental Precautions: Collect spillage. Prevent entry into waterways, sewer, basements or

confined areas. Mechanically ventilate the spillage area to prevent the

formation of explosive concentrations.



Rev: 006

Revision Date: 03.05.2019

6.3 Methods and material for containment and cleaning up:

Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Absorb with sand or other inert absorbent. Do NOT use products which are basic. To clean the floor and all objects contaminated by this material, use an appropriate solvent.(cf. : § 9) Flush

area with plenty of water.chamber.

6.4 Reference to other

sections:

Caution: Contaminated surfaces may be slippery. For waste disposal,

see Section 13 of the SDS.

SECTION 7: Handling and storage

7.1 Precautions for safe

handling:

Use mechanical ventilation in case of handling which causes formation of vapors. Do not mix with Incompatible materials. For further information, refer to Section 10: "Stability and Reactivity". Read

and follow manufacturer's recommendations.

7.2 Conditions for safe storage,

including any incompatibilities:

Store in a cool, dry place with adequate ventilation. Keep away from incompatible materials, open flames, and high temperatures. Store in tightly closed original container. Suitable containers: polyethylene.

Steel drums coated with epoxy-resin.

7.3 Specific end use(s): No data available.

SECTION 8: Exposure controls/personal protection

8.1 Control Parameters Occupational Exposure Limits

Chemical name Type		Туре	Exposure Limit Values	Source
	Octamethylcyclotetrasiloxane	VME	10 ppm 120 mg/m3	

8.2 Exposure controls

Appropriate Engineering

Controls:

Avoid inhalation of vapors and spray mists.

Individual protection measures, such as personal protective equipment

General information: Provide sufficient ventilation during operations which cause

vapor formation.

Eye/face protection: Safety Glasses.

Skin protection

Hand Protection: Material: Nitrile.

Material: Polyvinyl chloride (PVC).

Material: Rubber or plastic.

Other: It is a good industrial hygiene practice to minimize skin contact. Wear

suitable protective clothing.

Respiratory Protection: No specific precautions.

Hygiene measures: Provide eyewash station and safety shower.

Environmental Controls: No data available.



Rev: 006

Revision Date: 03.05.2019

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state: Liquid
Form: Gel
Color: Blue
Odor: Odorless

Odor Threshold:

pH:

No data available.

Not applicable

No data available.

Boiling Point:

No data available.

No data available.

Flash Point: > 200 °C (Closed cup according to method ASTM D56.)

Evaporation Rate:

Flammability (solid, gas):

Flammability Limit - Upper (%):

Flammability Limit - Lower (%):

Vapor pressure:

Vapor density (air=1):

No data available.

74 %(V) Hydrogen.

4 %(V) Hydrogen.

< 0,1 hPa (20 °C)

No data available.

Density: Approximate 1 kg/dm3 (20 °C)

Solubility(ies)

Solubility in Water: Practically Insoluble

Solubility (other): Diethylether: Miscible (in all proportions).

Chlorinated solvents: Miscible (in all proportions). Aromatic hydrocarbons: Miscible (in all proportions). Aliphatic hydrocarbons: Miscible (in all proportions).

Acetone: Very slightly soluble. Ethanol: Very slightly soluble.

Partition coefficient (n-octanol/water): No data available.

Autoignition Temperature: > 500 °C **Decomposition Temperature:** > 200 °C

Viscosity: 2 500 mm²/s (20 °C) Explosive properties: No data available.

Oxidizing properties: According to the data on the components Not considered

as oxidizing. (evaluation by structure-activity relationship)

9.2 Other information: No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity: No other information noted.

10.2 Chemical Stability: Material is stable under normal conditions.

10.3 Possibility of hazardous

reactions:

This product may generate hydrogen gas.

10.4 Conditions to avoid:No other information noted.



Rev: 006

Revision Date: 03.05.2019

10.5 Incompatible Materials: A fire or explosion hazard arises because highly flammable gas

(hydrogen) is released when it is in contact with: Strong oxidizing agents. Alkalis and caustic products. Chemical compounds with mobile

hydrogen, in the presence of metal salts and complexes.

10.6 Hazardous Decomposition

Products:

Thermal decomposition or combustion may liberate carbon oxides and

other toxic gases or vapors. Amorphous silica.

Quantity of hydrogen potentially released (I/kg of product): <3

SECTION 11: Toxicological information

Information on likely routes of exposure

Inhalation: No effects expected (assessment based on ingredients).

Ingestion: No effects expected (assessment based on ingredients).

Skin Contact: No effects expected (assessment based on

Eye contact: No effects expected (assessment based on ingredients).

11.1 Information on toxicological effects:

Acute toxicity:

Oral:

Product: Not classified for acute toxicity based on available data.

Dermal:

Product: Not classified for acute toxicity based on available data.

Inhalation:

Product: Composition/information on ingredients

Specified substance(s):

Decamethylcyclopentasiloxane LC 50 (Rat): 8,67 mg/l

octamethylcyclotetrasiloxane LC 50 (Rat, 4 h): > 36 mg/l

Repeated dose toxicity:

Product: Composition/information on ingredients

Specified substance(s):

Decamethylcyclopentasiloxan e NOAEL (Rat, Oral): >= 1 000 mg/kg

NOAEL (Rat, Inhalation - vapor): >= 2,42 m NOAEL (Rat, Dermal): >= 1 600 mg/kg

Dodecamethylcyclohexasiloxa ne NOAEL (Rat, Oral): >= 1 000 mg/kg Method: OECD 422

NOAEL (Rat, Inhalation - vapor): 0,0182 mg/l Method: OECD 413

octamethylcyclotetrasiloxane NOAEL (Rat, Inhalation): 1,820 mg/l Method: OECD 453

NOAEL (Rabbit, Dermal): 960 mg/kg Method: OECD 411

Skin Corrosion/Irritation:

Product: Composition/information on ingredients

Specified substance(s):

Decamethylcyclopentasiloxane Rabbit : Not irritating



Rev: 006

Revision Date: 03.05.2019

Dodecamethylcyclohexasiloxa ne OECD 404 (Rabbit) : Not irritating

octamethylcyclotetrasiloxane Rabbit, 24 h : Not irritating

Serious Eye Damage/Eye Irritation:

Product: Composition/information on ingredients

Specified substance(s):

Decamethylcyclopentasiloxane Rabbit : Not irritating

Dodecamethylcyclohexasiloxane OECD 405 (Rabbit): Not irritating

octamethylcyclotetrasiloxane Rabbit, 24 h : Not irritating

Respiratory or Skin Sensitization:

Product: Composition/information on ingredients

Specified substance(s):

Decamethylcyclopentasiloxane Not a skin sensitizer.

Dodecamethylcyclohexasiloxa ne OECD 406 (Guinea Pig) : Not a skin sensitizer.

octamethylcyclotetrasiloxane Guinea Pig: Not a skin sensitizer.

Germ Cell Mutagenicity:

In vitro:

Product: Composition/information on ingredie

Specified substance(s):

Decamethylcyclopentasiloxa ne Chromosomal aberration: No mutagenic components identified.

Bacteria: No mutagenic components identified.

Dodecamethylcyclohexasilox ane Mouse lymphoma cells (OECD 476): negative with and without

metabolic activation

Bacteria (OECD 471): negative with and without metabolic activation

octamethylcyclotetrasiloxane Bacteria: No mutagenic components identified.

Chromosomal aberration: No mutagenic components identified. In vitro gene mutations test on mammalian cells: : No mutagenic

components identified.

In vivo:

Product: Composition/information on ingredients

Specified substance(s):

Decamethylcyclopentasiloxa ne No effects expected.

Dodecamethylcyclohexasilox ane Mammalian erythrocyte micronucleus test (OECD 474): No mutagenic

effects.

octamethylcyclotetrasiloxane No effects expected.

Carcinogenicity:

Product: Composition/information on ingredients

Specified substance(s):

octamethylcyclotetrasiloxane Rat (, Female, Male, Inhalation): (OECD 453) No effects expected.



Rev: 006

Revision Date: 03.05.2019

Reproductive toxicity:

Product: Composition/information on ingredients

Specified substance(s):

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

octamethylcyclotetrasiloxane Suspected of damaging fertility.

Reproductive toxicity (Fertility):

Product: Composition/information on ingredients

Specified substance(s):

Decamethylcyclopentasiloxane Fertility study 2 generations. Rat (Inhalation): NOAEL (parent): 3,64

mg/I NOAEL (F1):None. NOAEL (F2): None. Method: OECD 416

Dodecamethylcyclohexasiloxa ne Reproduction/developmental toxicity screening test. Rat (Gavage

(Oral)): NOAEL (parent): >= 1 000 mg/kg NOAEL (F1):>= 1 000 mg/kg

NOAEL (F2): Method: OECD 422

octamethylcyclotetrasiloxane Fertility study 2 generations. Rat (Inhalation): NOAEL (parent): 3,64

mg/I NOAEL (F1):None. NOAEL (F2): None. Method: OECD 416

Developmental toxicity (Teratogenicity):

Product: Composition/information on ingredients

Specified substance(s):

Dodecamethylcyclohexasiloxa ne Rabbit NOAEL (terato): >= 1 000 mg/kg NOAEL (mater): >= 1 000

mg/kg Method: OECD 414 Rat NOAEL (terato): >= 1 000 mg/kg

NOAEL (mater): >= 1 000 mg/kg Method: OECD 414

octamethylcyclotetrasiloxane Rat (Inhalation): NOAEL (terato): > 6,066 mg/l NOAEL (mater): 3,640

ma/l Method: OECD 414

Specific Target Organ Toxicity - Single Exposure:

Product: No data available.

Specified substance(s):

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

Specific Target Organ Toxicity - Repeated Exposure:

Product: No data available.

Specified substance(s):

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

Aspiration Hazard:

Product: No data available.

Specified substance(s):

octamethylcyclotetrasiloxane No effects expecte



 ${\tt MSDS_MAGIC_POWER_GEL_B}$

Rev: 006

Revision Date: 03.05.2019

SECTION 12: Ecological information

12.1 Toxicity:

Acute toxicity:

Fish:

Product: Composition/information on ingredients

Specified substance(s):

octamethylcyclotetrasiloxane LC 50 (Oncorhynchus mykiss, 96 h): >= 0,022 mg/l

Aquatic Invertebrates:

Product: Composition/information on ingredients

Specified substance(s):

octamethylcyclotetrasiloxane EC 50 (Water flea (Daphnia magna), 48 h): > 0,015 mg/l

Chronic Toxicity:

Fish:

Product: Composition/information on ingredients

Specified substance(s):

Decamethylcyclopentasiloxane NOEC (Oncorhynchus mykiss, 90 d): >= 0,014 mg/l

octamethylcyclotetrasiloxane NOEC (Oncorhynchus mykiss, 93 d): >= 0,0044 mg/l

Aquatic Invertebrates:

Product: Composition/information on ingredients

Specified substance(s):

Dodecamethylcyclohexasiloxane NOEC (Water flea (Daphnia magna), 21 d): >= 0,0046 mg/l

octamethylcyclotetrasiloxane NOEC (Water flea (Daphnia magna), 21 d): 0,015 mg/l

Toxicity to Aquatic Plants:

Product:

Composition/information on ingredie

Specified substance(s):

octamethylcyclotetrasiloxane EC 50 (Green algae (Selenastrum capricornutum), 96 h): >

0,022 mg/l

Dodecamethylcyclohexasiloxane NOEC (Algae (Pseudokirchneriella subcapitata), 72 h): >=

0,002 mg/l EC 50 (Algae (Pseudokirchneriella subcapitata), 72

12.2 Persistence and Degradability: Biodegradation:

Product: Composition/information on ingredients

Specified substance(s):

Decamethylcyclopentasiloxane

0,14 % (28 d) The product is not readily biodegradable.

Dodecamethylcyclohexasiloxan e 4,5 % (28 d, OECD 310) The product is not readily

biodegradable.

octamethylcyclotetrasiloxane 3,7 % (29 d) The product is not considered to be readily

biodegradable.



Rev: 006

Revision Date: 03.05.2019

BOD/COD Ratio:

Product: No data available.

12.3 Bioaccumulative potential:

Product: Composition/information on ingredients

Specified substance(s):

Decamethylcyclopentasiloxane Fathead Minnow, Bioconcentration Factor (BCF): 7 060

Dodecamethylcyclohexasiloxane Fathead Minnow, Bioconcentration Factor (BCF): 2 860

(OECD 305) Has the potential to bioaccumulate.

octamethylcyclotetrasiloxane Fathead Minnow, Bioconcentration Factor (BCF): 12 400

12.4 Mobility in soil: No data available.

12.5 Results of PBT and vPvB

assessment:

Composition/information on ingredients

Decamethylcyclopentasiloxane Meets vPvB criteria REACH (1907/2006) Ax XIII

Dodecamethylcyclohexasiloxane Meets vPvB criteria REACH (1907/2006) Ax XIII

octamethylcyclotetrasiloxane Meets PBT REACH (1907/2006) Ax XIII

(persistent/bioaccumulative/toxic) criteria. Meets vPvB criteria

12.6 Other adverse effects: None known.

SECTION 13: Disposal considerations

13.1 Waste treatment methods:

General information: The user's attention is drawn to the possible existence of local

regulations regarding disposal.

Disposal methods

Disposal instructions: Dispose of waste at an appropriate treatment and disposal facility in

accordance with applicable laws and regulations, and product

characteristics at time of disposal. Waste of this material should not be mixed with other waste. Provide measures such as vented bungs to

ensure pressure relief in the waste container.

Contaminated Packaging: Contaminated packages should be as empty as possible. Dispose of

waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. Recycle following cleaning or dispose of at an

authorised site.

SECTION 14: Transport information

This material is not subject to transport regulations.

Other information: No special precautions.



Rev: 006

Revision Date: 03.05.2019

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:

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorisation, as amended:

none

15.2 Chemical safety

No Chemical Safety Assessment has been carried out.

assessment:

Inventory Status:

Australia AICS: On or in compliance with the inventory. Canada DSL Inventory List: On or in compliance with the inventory. EINECS, ELINCS or NLP: On or in compliance with the inventory. Japan (ENCS) List: On or in compliance with the inventory. China Inv. Existing Chemical Substances: On or in compliance with the inventory. On or in compliance with the inventory.

Korea Existing Chemicals Inv. (KECI): Philippines PICCS: On or in compliance with the inventory.

US TSCA Inventory: On or in compliance with the inventory. New Zealand Inventory of Chemicals: On or in compliance with the inventory.

SECTION 16: Other information

Revision Information: Not relevant.

References

PBT PBT: persistent, bioaccumulative and toxic substance. vPvB vPvB: very persistent and very bioaccumulative substance.

Key abbreviations or acronyms used:

No data available.

Key literature references and

sources for data:

No data available.

Wording of the H-statements in section 2 and 3

H226 Flammable liquid and vapor. H361f Suspected of damaging fertility.

H413 May cause long lasting harmful effects to aquatic life.

Training information: No data available.

Disclaimer: The information given is based on data available for the material, the

components of the material, and similar materials. The information is believed to be correct. It is given in good faith. This information should be used to make an independent determination of the methods to

safeguard workers and the environment.