

## MPGEL- Component B

Rev. 2019-06-03

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### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

**1.1 Product identifier:**

**Market name:** MPGEL (comp. B)

**1.2 Relevant identified uses of the substance**

**Relevant uses:** Electrical protection

**Uses advised against:** All uses not specified in this section or in section 7.3

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

Producer and supplier: Etelec Italia S.p.A.

Address: Via D. Roberto, 40

CAP / City / Nation: 80143, Napoli Italia

Phone: + 39 081 5846610

Telefax: + 39 081 2587166

Information about Safety Data Sheet: Telefono + 39 081 5846610

E-mail: [etelec@etelec.it](mailto:etelec@etelec.it)

**1.4 Emergency telephone number:**

Phone: + 39 081 5846610

### SECTION 2: HAZARDS IDENTIFICATION

**2.1 Classification of the substance or mixture:**

**CLP Regulation (EC) No 1272/2008:**

The product is not classified as hazardous according to CLP Regulation (EC) No 1272/2008.

**2.2 Label elements:**

CLP Regulation (EC) No 1272/2008:

None

**2.3 Other hazards:**

Product contains PBT/vPvB substances: Octamethylcyclotetrasiloxane

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

**3.1 Substance:**

Non-applicable

**3.2 Mixture:**

**Chemical description:** Polymer/s

**Components:** None of the substances contained in the mixture are above the values fixed in Annex II of Regulation (EC) No 1907/2006

### SECTION 4: FIRST AID MEASURES

**4.1 Description of first aid measures:**

Consult a doctor in case of discomfort showing the SDS for the product

**By inhalation:**

In case of symptoms, move the person affected into fresh air.

**By skin contact:**

In case of contact it is recommended to clean the affected area thoroughly with water and neutral soap. In case of changes to the skin (stinging, redness, rashes, blisters,...), seek medical advice with this Safety data Sheet

**By eye contact:**

Rinse with water until the product has been eliminated. In case of problems, consult a doctor showing the SDS for the product.

**By ingestion/aspiration:**

In case of consumption in large quantities, it is recommended to seek medical assistance.

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

Acute and delayed effects are indicated in sections 2 and 11.

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

Non-applicable

**SECTION 5: FIREFIGHTING MEASURES**

**5.1 Extinguishing media:**

Product is non-flammable, with a low risk of fire due to the flammability characteristics of the product in normal conditions of

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

Due to its non-flammable nature, the product does not present a fire risk under normal conditions of storage, handling and use.

**5.3 Advice for firefighters:**

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC

**Additional provisions:**

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

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

Isolate leaks provided that there is no additional risk for the people performing this task.

**6.2 Environmental precautions:**

This product is not classified as hazardous to the environment. Keep product away from drains, surface and ground water.

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

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

**6.4 Reference to other sections:**

See sections 8 and 13.

**SECTION 7: MANIPOLAZIONE E IMMAGAZZINAMENTO**

**7.1 Precautions for safe handling:**

**A - Precautions for safe manipulation**

Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

**B - Technical recommendations for the prevention of fires and explosions**

It is recommended to transfer at a slow speed to avoid the creation of electrostatic charges that could affect flammable products. Consult section 10 for conditions and materials that should be avoided.

**C - Technical recommendations to prevent ergonomic and toxicological risks**

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

**D - Technical recommendations to prevent environmental risks**

It is not necessary to take special measures to prevent environmental risks. For more information see subsection 6.2

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

**A - Technical measures for storage**

Minimum Temp.: 5 °C  
Maximum Temp.: 25 °C

**B - General conditions for storage**

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

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

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1 Control parameters:**

Substances whose occupational exposure limits have to be monitored in the workplace  
There are no occupational exposure limits for the substances contained in the product

**DNEL (Workers):** Non-applicable

**DNEL (General population):** Non-applicable

**PNEC:** Non-applicable

**8.2 Exposure controls:**

**A - General security and hygiene measures in the work place**

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Directive 89/686/EC. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1.

All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

**B - Respiratory protection**

The use of protection equipment will be necessary if a mist forms or if the occupational exposure limits are exceeded.

**C - Specific protection for the hands** Non-applicable

**D - Ocular and facial protection** Non-applicable

**E - Body protection** Non-applicable

**F - Additional emergency measures** It is not necessary to take additional emergency measures.

**Environmental exposure controls:**

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

**Volatile organic compounds:**

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply): 0 % weight  
V.O.C. density at 20 °C:: 0,02 kg/m<sup>3</sup> (0,02 g/L)  
Average carbon number: 8  
Average molecular weight: 296,6 g/mol

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

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

<b>Appearance:</b>	
Physical state at 20 °C: Liquid	Liquid
Appearance: Fluid	Fluid
Colour: According to the markings on the package	According to the markings on the package
Odour: Odourless	Odourless
Odour threshold:	Non-applicable *

<b>Volatility:</b>	
Boiling point at atmospheric pressure:	175°C
Vapour pressure at 20 °C:	90 Pa
Vapour pressure at 50 °C:	5,41 (0,72 kPa)
Evaporation rate at 20 °C:	Non-applicable *

<b>Product description:</b>	
Density at 20 °C:	1003,3 kg/m <sup>3</sup>
Relative density at 20 °C:	1,003
Dynamic viscosity at 20 °C:	Non-applicable *
Kinematic viscosity at 20 °C:	1500 cSt
Kinematic viscosity at 40 °C:	Non-applicable *
Concentration:	Non-applicable *
pH:	Non-applicable *
Vapour density at 20 °C:	Non-applicable *
Partition coefficient n-octanol/water 20 °C:	Non-applicable *
Solubility in water at 20 °C:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *
Explosive properties:	E Non-applicable *

<b>Flammability:</b>	
Flash Point:	Non Flammable (>60 °C)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	400°C
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *

<b>Explosive:</b>	
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Lower explosive limit:	Non-applicable *
Upper explosive limit:	Non-applicable *
<b>9.2 Other information:</b>	
Surface tension at 20 °C:	Non-applicable *
Refraction index:	Non-applicable *

\*Not relevant due to the nature of the product, not providing information property of its hazards.

## SECTION 10: STABILITY AND REACTIVITY

### 10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

### 10.2 Chemical stability:

Chemically stable under the conditions of storage, handling and use.

### 10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

### 10.4 Conditions to avoid:

Applicabile per manipolazione e stoccaggio a temperatura ambiente:

Shock and friction Contact	Non-applicable
Contact with air	Non-applicable
Increase in temperature	Non-applicable
Sunlight	Non-applicable
Humidity	Non-applicable

### 10.5 Materiali incompatibili

Acids:	Avoid strong acids
Water:	Non-applicable
Oxidising materials	Non-applicable
Combustible	Non-applicable
Others	Avoid alkalis or strong bases

### 10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO<sub>2</sub>), carbon monoxide and other organic compounds.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects:

LD50 oral > 2000 mg/kg (rat)

#### Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

#### A - Ingestion (acute effect):

Acute toxicity :	Based on available data, the classification criteria are not met
Corrosivity/Irritability:	Based on available data, the classification criteria are not met

**B - Inhalation (acute effect):**

Acute toxicity: Based on available data, the classification criteria are not met  
Corrosivity/Irritability: Based on available data, the classification criteria are not met

**C - Contact with the skin and the eyes (acute effect):**

Contact with the skin: Based on available data, the classification criteria are not met  
Contact with the eyes: Based on available data, the classification criteria are not met

**D - CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):**

Carcinogenicity: Based on available data, the classification criteria are not met  
Mutagenicity: Based on available data, the classification criteria are not met  
Reproductive toxicity: Based on available data, the classification criteria are not met

**E - Sensitizing effects:**

Respiratory: Based on available data, the classification criteria are not met  
Cutaneous: Based on available data, the classification criteria are not met

**F - Specific target organ toxicity (STOT) - single exposure:**

Based on available data, the classification criteria are not met

**G - Specific target organ toxicity (STOT)-repeated exposure:**

Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met  
Skin: Based on available data, the classification criteria are not met

**H - Aspiration hazard:**

Based on available data, the classification criteria are not met

**Other information:** Non-applicable

**Specific toxicology information on the substances:** Not available

**Acute Toxicity Estimate (ATE mix):**

ATE mix		Componenti di tossicità ignota
Oral	>2000 mg/kg (Calculation method)	Non-applicable
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	>20 mg/L (Calculation method)	Non-applicable

**SECTION 12: ECOLOGICAL INFORMATION**

The experimental information related to the eco-toxicological properties of the product itself is not available

- 12.1 **Toxicity:** Not available
- 12.2 **Persistence and degradability:** Not available
- 12.3 **Bioaccumulative potential:** Not available
- 12.4 **Mobility in soil:** Not available
- 12.5 **Results of PBT and vPvB assessment:** Product contains PBT/vPvB substances: Octamethylcyclotetrasiloxane
- 12.6 **Other adverse effects:** Not described

**SECTION 13: DISPOSAL CONSIDERATIONS**

**13.1 Waste treatment methods:**

It is not possible to assign a specific code, as it depends on the intended use by the user

**Type of waste (Regulation (EU) No 1357/2014):** Non-applicable

**Waste management (disposal and evaluation):**

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue.

We do not recommend disposal down the drain. See paragraph 6.2.

**Regulations related to waste management:**

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

**SECTION 14: TRANSPORT INFORMATION**

This product is not regulated for transport (ADR/RID,IMDG,IATA)

**SECTION 15: REGULATORY INFORMATION**

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

**Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH):**

Non-applicable

**Substances included in Annex XIV of REACH ("Authorisation List") and sunset date:**

Non-applicable

**Regulation (EC) No 1005/2009, about substances that deplete the ozone layer:**

Non-applicable

**Article 95, REGULATION (EU) No 528/2012:**

Non-applicable

**REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products:**

Non-applicable

**Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):**

Contains Octamethylcyclotetrasiloxane. 1. | Shall not be placed on the market in wash-off cosmetic products in a concentration equal to or greater than 0,1 % by weight of either substance, after 31 January 2020. | 2. | For the purposes of this entry, "washoff cosmetic products" means cosmetic products as defined in Article 2(1)(a) of Regulation (EC) No 1223/2009 that, under normal conditions of use, are washed off with water after application.'

**Specific provisions in terms of protecting people or the environment:**

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

**Other legislation:**

The product could be affected by sectorial legislation

**15.2 Chemical safety assessment:**

The supplier has not carried out evaluation of chemical safety.

**SECTION 16: OTHER INFORMATION**

**Legislation related to safety data sheets:**

This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (Regulation (EC) No 2015/830)

**Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:**

Non-applicable

**Texts of the legislative phrases mentioned in section 3:**

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

**CLP Regulation (EC) No 1272/2008:**

Non applicabile

**Classification procedure:**

Non applicabile

**Advice related to training:**

Minimal training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

**Principal bibliographical sources:**

<http://echa.europa.eu>

<http://eur-lex.europa.eu>

**Abbreviations and acronyms:**

ADR	European agreement concerning the international carriage of dangerous goods by road
IMDG	International maritime dangerous goods code
IATA	International Air Transport Association
ICAO	International Civil Aviation Organisation
COD	Chemical Oxygen Demand
BOD5	5-day biochemical oxygen demand
BCF	Bioconcentration factor
LD50	Lethal Dose 50
LC50	Lethal Concentration 50
EC50	Effective concentration 50
Log-POW	Octanol-water partition coefficient
Koc	Partition coefficient of organic carbon

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

**- End of safety data sheet**